Draft
Supplemental Recirculated Environmental Impact Report

SCH# 2014041005

Volume 11
Volume 7 Appendix J.1 (Part 2) of the Previously Circulated DEIR

GRAPEVINE SPECIFIC AND COMMUNITY PLAN (2019)
Tejon Ranchcorp

Specific Plan Amendment No. 157, Map 500
General Plan Amendment No. 9, Map 202
General Plan Amendment No. 10, Map 202
General Plan Amendment No. 4, Map 218R
General Plan Amendment No. 5, Map 218R
General Plan Amendment No. 11, Map 219
General Plan Amendment No. 12, Map 219
Special Plan No. 2, Map 202
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Special Plan No. 3, Map 219
Zone Change Case No. 18, Map 202
Zone Change Case No. 3, Map 218R
Zone Change Case No. 14, Map 219
Agricultural Preserve #19 - Exclusion

Kern County
Planning and Natural Resources Department
Bakersfield, California

August 2019

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Agricultural Preserve #19 - Exclusion

Kern County Planning and Natural Resources Department
2700 "M" Street, Suite 100
Bakersfield, CA 93301-2370
(661) 862-8600

Technical Assistance by:
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One Embarcadero Center Suite 500
San Francisco, CA 94111
(415) 398-5326

August 2019

Draft
Environmental Impact Report

SCH# 2014041005

Volume 7
Appendix J.1 (Part 2)

GRAPEVINE SPECIFIC AND COMMUNITY PLAN PROJECT
Tejon Ranchcorp

Specific Plan Amendment No. 155, Map 500
General Plan Amendment No. 6, Map 202
General Plan Amendment No. 7, Map 202
General Plan Amendment No. 2, Map 218R
General Plan Amendment No. 3, Map 218R
General Plan Amendment No. 8, Map 219
General Plan Amendment No. 9, Map 219
Special Plan No. 1, Map 202
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Special Plan No. 2, Map 219
Zone Change Case No. 16, Map 202
Zone Change Case No. 2, Map 218R
Zone Change Case No. 13, Map 219
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May 2016

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Special Plan No. 1, Map 202
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555 Capitol Mall, Suite 300
Sacramento, CA 95814
(916) 858-5800

May 2016

Appendices

NOTE TO REVIEWER OF ELECTRONIC FILES:

To assist you in reviewing this electronic document, "bookmarks" and/or "links" have been provided for easier navigation between sections. When available, bookmarks are located in the panel to the left. Links are highlighted in BLUE in the Table of Contents. Clicking on either the bookmarks or links will take you to the selected item. This document may consist of multiple linked PDF files. If saving this document to your computer, you must save all corresponding files to a directory on your hard drive to maintain the manner in which these PDF documents are linked.

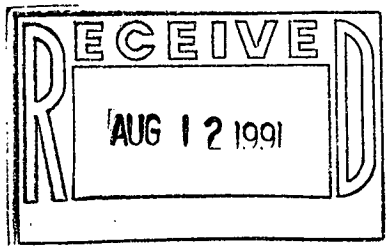
Appendix J.1 Phase I Environmental Site Assessment (ESA) (Part 2):

Exhibit 7 (pages 377 through 1887)

Texaco Refining
and Marketing Inc

10 Universal City Plaza
Universal City CA 91608

August 8, 1991



Mr. Chris Burger
Environmental Health Services Dept.
2700 M Street, Ste. 300
Bakersfield, CA 93301

RE: **SITE ASSESSMENT REPORT - AUGUST 6, 1991**
9069 GRAPEVINE / I-5

Dear Mr. Burger:

Enclosed is the subject report, this assessment was conducted in anticipation of a planned project to raze and rebuild the existing service station. The existing underground tanks will be left in place.

The assessment and the general risk appraisal shows that there is no threat to the public health or environment. Texaco and Groundwater Technology Inc. Believe that no remedial action is required. After you have had time to review this report, Texaco and it's representatives would be pleased to meet with you at your office.

If you have any questions or comments, please contact me at (818)505-2139.

Sincerely,

Ray Johnston
Texaco Environmental Services

Enclosure

CRJ:crj

LAIDLAW ENVIRONMENTAL SERVICES

W/O # 15-00148

BACK

No. 6697

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Texaco USA Inc SS # 610 580 050

ADDRESS 10 Universal City Plaza Star Rte Box 26 EPA I.D. NO. N/A

CITY, STATE, ZIP Universal City Ca. 91608-7812 Lebec Ca. PHONE NO. 818 505-2139

CONTAINERS: No. 1 VOLUME 1 yd WEIGHT

TYPE ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Cont Soil GENERATING PROCESS Core Drilling

	COMPONENTS OF WASTE	PPM	%		COMPONENTS OF WASTE	PPM	%
1	Soil		799.9	5.			
2	Hydrocarbon		60.1	6.			
3				7.			
4				8.			

PROPERTIES: pH 6.6 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: Yard Load App # 61579 Gen

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Ray Johnston [signature] 8/7/91
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Laidlaw Environmental Services EPA I.D. NO. CAD000083121

ADDRESS 221 E D ST SERVICE ORDER NO.

CITY, STATE, ZIP Wilmington Ca 90744 PICK UP DATE

PHONE NO. 80 518-4700

TRUCK, UNIT, I.D. NO. James Jennings [signature] 8-7-91
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Laidlaw Environmental Services EPA I.D. NO. CAD980675276

ADDRESS 2500 Lokern Rd. DISPOSAL METHOD

CITY, STATE, ZIP Bakersfield, Ca. 93206 ☒ LANDFILL ☐ OTHER

PHONE NO. 805 762-7372

David Hemingway [signature] 8/7/91
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	FEES 1460
TRANS		S B	
C/O		HTRD	PROF NONE

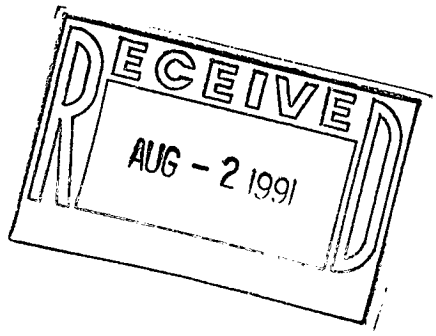
DISCREPANCY

323-7-96

330035

Texaco Refining
and Marketing Inc

10 Universal City Plaza
Universal City CA 91608



July 30, 1991

Re: **Quarter Report**
Texaco Service Station
I-5 & Grapevine
Lebec, CA

Amy Green
Kern County Environmental Health Services
2700 "M" Street, Suite 300
Bakersfield, CA 93301

Dear Ms. Green:

Attached please find the Second Quarter Report for Texaco Service Station located at the above address. Should you have any questions or comments please call me at (818) 505-2139.

Very truly yours,

Ray Johnston

CRJ:crj

Attachment

GROUNDWATER TECHNOLOGY, INC.

4101 Alken Street, Suite B-1, Bakersfield, CA 93308 (805) 589-8601

Fax: (805) 589-8605

July 25, 1991

Mr. Ray Johnston
Environmental Supervisor
Texaco Refining and Marketing, Inc.
10 Universal City Plaza
Universal City, CA 91608 7812

RE: Second Quarter Status Report, Grapevine Texaco, Lebec, California

Dear Mr. Johnston:

A description of activities completed at the site described above follows:

Overview: Groundwater Technology has completed two phases of assessment at the facility. The purpose of the assessment is to determine if hydrocarbons are present in soil prior to starting major reconstruction activities in September.

Investigation Results: Eleven soil borings were completed during the first phase of assessment in May (see Draft Assessment Report, June 17, 1991). Sampling indicated the presence of hydrocarbons under the north ends of both dispenser islands (up to 560 mg/kg). An additional eight soil borings were completed in July to further define the extent of hydrocarbons in soil near the dispenser islands. This second phase of assessment indicated hydrocarbons are limited mostly to the immediate vicinity of the western dispenser island. TPH concentrations from samples collected during this second phase of assessment ranged from below detection levels to 580 mg/kg.

Correspondence: A draft *Site Assessment Report* was submitted to your office for review on June 17. After receiving your approval a *Site Characterization Work Plan* which described additional assessment plans was submitted to the County on June 27. A draft report covering the second phase of assessment is being prepared and will be forwarded by July 26.

Waste Disposal: Waste disposal for the first phase of assessment was completed by Laidlaw Environmental Services under direct contract to Texaco Refining and Marketing Inc. Drill cuttings generated during the second phase of assessment are stored in three 55-gallon drums at the site. A waste profile sample has been collected from the drums and shipped to Laidlaw Environmental Services.

Future Work: Completion of final assessment reports pending Texaco Refining and Marketing's approval.

Should you have any questions regarding this status report please contact me at (805) 589-8601.

Sincerely,
GROUNDWATER TECHNOLOGY, INC.

Jonathan D. Parker, R.G.
Project Manager

TRK #1

B-24799

NO. 035968

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. NOT REQUIRED

NAME TEXACO ENVIRONMENTAL SERVICES STATION #61-058-0050

ADDRESS 10 UNIVERSAL CITY PLAZA INTERSTATE 5 @ GRAPEVINE

PROFILE NO. G-1579 GEN

CITY, STATE, ZIP UNIVERSAL CITY, CA 91608 PHONE NO. (818) 505-2469

CONTAINERS: No. 1 VOLUME 8cy WEIGHT 8 ton

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☑ OTHER Roll Off

WASTE DESCRIPTION SOIL GENERATING PROCESS EXCAVATION

	COMPONENTS OF WASTE	PPM	%		COMPONENTS OF WASTE	PPM	%
1.	SOIL		99-100	5.			
2.	TPH	LESS THAN	1	6.			
3.				7.			
4.	FALCON JOB#1042			8.			

PROPERTIES: pH 7 ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: WEAR APPROPRIATE PROTECTIVE CLOTHING

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

RAY JOHNSTON Ray Johnston 06-18-91

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME FALCON DISPOSAL SERVICE EPA I.D. NO. CAD000048934

ADDRESS 3031 EAST "I" STREET SERVICE ORDER NO.

CITY, STATE, ZIP WILMINGTON, CA 90744 PICK UP DATE

PHONE NO. (213) 590-8531

TRUCK, UNIT, I.D. NO. 311(610386) RICK TOACY Richard L. Toacy 06-18-91

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME LAIDLAW ENVIRONMENTAL EPA I.D. NO. CAD980675276

ADDRESS 2500 W. LOKERN ROAD ☒ LANDFILL ☐ OTHER DISPOSAL METHOD

CITY, STATE, ZIP BUTTONWILLOW, CA 93206

PHONE NO. (805) 762-7341

Hector L. Moreno Hector L Moreno 6-18-91

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS	4500	lbs
TRANS		S B			
C/Q		RT/CD	HWDF	NONE	DISCREPANCY

300035

Texaco Refining
and Marketing Inc

10 Universal City Plaza
Universal City CA 91608

June 27, 1991

RE: **Texaco Site - I-5 & Grapvine, Lebec Ca**

Kern County Environmental Health Services
2700 "M" Street Suite #300
Bakersfield, Ca 93301

Attn: Amy Green

Please find enclosed a Site Characterization Work Plan and an Underground Storage Tank Unauthorized Release form for the subject Texaco site.

If you have any questions, please feel free to call me at (818) 505-2139.

Very truly yours,

Ray Johnston
Project Coordinator

CRJ:ggz

Enclosures

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY ☐ YES ☒ NO

HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED ? ☐ YES ☒ NO

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.
SIGNED [signature] DATE 7/23/91

REPORT DATE 06 / 27 / 91 (M / D / Y) | CASE # 330035

REPORTED BY
NAME OF INDIVIDUAL FILING REPORT: RAY JOHNSTON | PHONE: (818) 505-2139 | SIGNATURE: Ray Johnston
REPRESENTING ☒ OWNER/OPERATOR ☐ REGIONAL BOARD ☐ LOCAL AGENCY ☐ OTHER _____ | COMPANY OR AGENCY NAME: TEXACO
ADDRESS: 10 UCP (STREET) UNIVERSAL CITY (CITY) CA. (STATE) 91608 (ZIP)

RESPONSIBLE PARTY
NAME: Texaco Refining + Mktg. ☐ UNKNOWN | CONTACT PERSON: RAY JOHNSTON | PHONE: (818) 505-2139
ADDRESS: SAME (STREET) (CITY) (STATE) (ZIP)

SITE LOCATION
FACILITY NAME (IF APPLICABLE): TEXACO | OPERATOR: TEXACO | PHONE: (805) 322-4770
ADDRESS: STAR RT. BOX 26 (STREET) Hwy 99 (CITY) Lebec (COUNTY) Kern (ZIP) 93243
CROSS STREET: I5 - Grapevine

IMPLEMENTING AGENCIES
LOCAL AGENCY: DHS - Kern Co - | AGENCY NAME | CONTACT PERSON: Amy Greenl | PHONE: (805) 861-3636
REGIONAL BOARD: Central Valley RWQB | PHONE: (209) 445-5116

SUBSTANCES INVOLVED
(1) NAME: Gasoline | QUANTITY LOST (GALLONS) _____ ☒ UNKNOWN
(2) _____ ☐ UNKNOWN

DISCOVERY/ABATEMENT
DATE DISCOVERED: 06 / 01 / 91 (M / D / Y) | HOW DISCOVERED: ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☐ TANK TEST ☐ TANK REMOVAL ☒ OTHER Assessment
DATE DISCHARGE BEGAN (M M D D Y Y) ☒ UNKNOWN
HAS DISCHARGE BEEN STOPPED ? ☐ YES ☒ NO IF YES, DATE (M M D D Y Y)
METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)
☐ REMOVE CONTENTS ☐ CLOSE TANK & REMOVE ☐ REPAIR PIPING
☐ REPAIR TANK ☐ CLOSE TANK & FILL IN PLACE ☐ CHANGE PROCEDURE
☐ REPLACE TANK ☐ OTHER _____

SOURCE/CAUSE
SOURCE OF DISCHARGE: ☐ TANK LEAK ☒ UNKNOWN ☐ PIPING LEAK ☐ OTHER
CAUSE(S): ☐ OVERFILL ☐ RUPTURE/FAILURE ☐ SPILL ☐ CORROSION ☒ UNKNOWN ☐ OTHER _____

CASE TYPE
CHECK ONE ONLY
☐ UNDETERMINED ☒ SOIL ONLY ☐ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS
CHECK ONE ONLY
☐ NO ACTION TAKEN ☐ PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED ☐ POLLUTION CHARACTERIZATION
☐ LEAK BEING CONFIRMED ☒ PRELIMINARY SITE ASSESSMENT UNDERWAY ☐ POST CLEANUP MONITORING IN PROGRESS
☐ REMEDIATION PLAN ☐ CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) ☐ CLEANUP UNDERWAY

REMEDIAL ACTION
CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)
☐ CAP SITE (CD) ☒ EXCAVATE & DISPOSE (ED) ☐ REMOVE FREE PRODUCT (FP) ☐ ENHANCED BIO DEGRADATION (IT)
☐ CONTAINMENT BARRIER (CB) ☐ EXCAVATE & TREAT (ET) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ REPLACE SUPPLY (RS)
☐ VACUUM EXTRACT (VE) ☐ NO ACTION REQUIRED (NA) ☐ TREATMENT AT HOOKUP (HU) ☐ VENT SOIL (VS)
☐ OTHER (OT) _____

COMMENTS

HSC 05 (8/90)

INSTRUCTIONS

EMERGENCY
Indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES) at 2800 Meadowview Road, Sacramento, CA 95832. Copies of the OES report form may be obtained at your local underground storage tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.

LOCAL AGENCY ONLY
To avoid duplicate notification pursuant to Health and Safety code Section 25180.5, a government employee should sign and date the form in this block. A signature here does not mean that the leak has been determined to pose a significant threat to human health or safety, only that notification procedures have been followed if required.

REPORTED BY
Enter your name, telephone number, and address. Indicate which party you represent and provide company or agency name.

SPONSIBLE PARTY
Enter name, telephone number, contact person, and address of the party responsible for the leak. The responsible party would normally be the tank owner.

SITE LOCATION
Enter information regarding the tank facility. At a minimum, you must provide the facility name and full address.

IMPLEMENTING AGENCIES
Enter names of the local agency and Regional Water Quality Control Board involved.

SUBSTANCES INVOLVED
Enter the name and quantity lost of the hazardous substance involved. Room is provided for information on two substances if appropriate. If more than two substances leaked, list the two of most concern for cleanup.

DISCOVERY/ABATEMENT
Provide information regarding the discovery and abatement of the leak.

SOURCE/CAUSE
Indicate source(s) of leak. Check box(es) indicating cause of leak.

SE TYPE
Indicate the case type category for this leak. Check one box only. Case type is based on the most sensitive resource affected. For example, if both soil and ground water have been affected, case type will be "Ground Water". Indicate "Drinking Water" only if one or more municipal or domestic water wells have actually been affected. A "Ground Water" designation does not imply that the affected water cannot be, or is not, used for drinking water, but only that water wells have not yet been affected. It is understood that case type may change upon further investigation.

CURRENT STATUS
Indicate the category which best describes the current status of the case. Check one box only. The response should be relative to the case type. For example, if case type is "Ground Water", then "Current Status" should refer to the status of the ground water investigation or cleanup, as opposed to that of soil. Descriptions of options follow:

No Action Taken - No action has been taken by responsible party beyond initial report of leak.
Leak Being Confirmed - Leak suspected at site, but has not been confirmed.
Preliminary Site Assessment Workplan Submitted - workplan/proposal requested of/submitted by responsible party to determine whether ground water has been, or will be, impacted as a result of the release.
Preliminary Site Assessment Underway - implementation of workplan.
Pollution Characterization - responsible party is in the process of fully defining the extent of contamination in soil and ground water and assessing impacts on surface and/or ground water.
Remediation Plan - remediation plan submitted evaluating long term remediation options. Proposal and implementation schedule for appropriate remediation options also submitted.
Cleanup Underway - implementation of remediation plan.
Post Cleanup Monitoring in Progress - periodic ground water or other monitoring at site, as necessary, to verify and/or evaluate effectiveness of remedial activities.
Case Closed - regional board and local agency in concurrence that no further work is necessary at the site.

IMPORTANT: THE INFORMATION PROVIDED ON THIS FORM IS INTENDED FOR GENERAL STATISTICAL PURPOSES ONLY AND IS NOT TO BE CONSTRUED AS REPRESENTING THE OFFICIAL POSITION OF ANY GOVERNMENTAL AGENCY

REMEDIAL ACTION
Indicate which action have been used to cleanup or remediate the leak. Descriptions of options follow:

Cap Site - install horizontal impermeable layer to reduce rainfall infiltration.
Containment Barrier - install vertical dike to block horizontal movement of contaminant.
Excavate and Dispose - remove contaminated soil and dispose in approved site.
Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming).
Remove Free Product - remove floating product from water table.
Pump and Treat Groundwater - generally employed to remove dissolved contaminants.
Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants.
Replace Supply - provide alternative water supply to affected parties.
Treatment at Hookup - install water treatment devices at each dwelling or other place of use.
Vacuum Extract - use pumps or blowers to draw air through soil.
Vent Soil - bore holes in soil to allow volatilization of contaminants.
No Action Required - incident is minor, requiring no remedial action.

COMMENTS - Use this space to elaborate on any aspects of the incident.

SIGNATURE - Sign the form in the space provided.

DISTRIBUTION
If the form is completed by the tank owner or his agent, retain the last copy and forward the remaining copies intact to your local tank permitting agency for distribution.

1. Original - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Clean Water Programs, Underground Storage Tank Program, P.O. Box 944212, Sacramento, CA 94244-2120
3. Regional Water Quality Control Board
4. Local Health Officer and County Board of Supervisors or their designee to receive Proposition 65 notifications.
5. Owner/responsible party.

PREPARED FOR:

MR. RAY JOHNSTON
TEXACO REFINING & MARKETING, INC.
10 UNIVERSAL CITY PLAZA
UNIVERSAL CITY, CALIFORNIA 91608
(818) 505-2139

SITE ASSESSMENT REPORT
TEXACO RETAIL FACILITY
9069 GRAPEVINE ROAD WEST
LEBEC, CALIFORNIA

AUGUST 6, 1991

PREPARED BY:

GROUNDWATER TECHNOLOGY, INC.
4101 ALKEN STREET, SUITE B-1
BAKERSFIELD, CALIFORNIA 93308
(805) 589-8601

WRITTEN BY:

STEPHAN A. BORK
PROJECT GEOLOGIST

REVIEWED BY:

REGISTERED GEOLOGIST
JONATHAN D. PARKER
No. 4728
STATE OF CALIFORNIA

JONATHAN D. PARKER
REGISTERED GEOLOGIST
NO. 4728

GROUNDWATER TECHNOLOGY

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APPENDIX A - LITHOLOGIC LOGS
APPENDIX B - LABORATORY REPORTS
APPENDIX C - LEACHING POTENTIAL AND RISK APPRAISAL

INTRODUCTION

Texaco Refining & Marketing, Inc. retained Groundwater Technology, Inc. to complete an additional site assessment of soil conditions at their retail facility located at 9069 Grapevine Road in Lebec, California (Figure 1). The assessment included the completion of 8 soil borings, soil sample analyses, and evaluation of the data collected. This report documents the findings of the investigation.

BACKGROUND

The facility was first constructed in 1961 and dispensed fuel from four 4,000-gallon steel tanks. The steel tanks were replaced with larger double-walled fiberglass tanks in 1985 (Figure 2). The dispenser islands were also relocated and enlarged at that time. No data is presently available regarding soil sampling conducted during tank replacement.

In May, 1991 Groundwater Technology completed 11 soil borings (B1 through B11) at the locations shown in Figure 2 as part of an initial assessment. The purpose of this assessment was to determine if hydrocarbons are present in soil at the site prior to major reconstruction activity. Gasoline hydrocarbons were detected in three of the borings drilled at that time. Two of these borings were slant drilled under the northern ends of the islands (B4 and B9) and one was drilled at the location of the original steel tanks (B8). Concentrations of all analytes in samples submitted from the remaining borings were below detection limits. Analytical results for soil samples collected during the initial investigation are presented in Table 1. Copies of the laboratory reports can be found in the workplan for this assessment, dated June 26, 1991. Lithologic logs of borings B1 through B11 are presented in Appendix A.

SITE CHARACTERISTICS

GEOGRAPHY

The site is located at the base of the San Emigdio Range at the southern end of the San Joaquin Valley. Topography in the region slopes gently to the north away from the steep slopes of the San Emigdios. A tributary of Grapevine Creek, which flows intermittently, is present 300 feet southeast of the site. The California Aqueduct is present approximately 2 miles north of the property.

HYDROGEOLOGY

The site overlies alluvial-fan sediments deposited from small intermittent creeks which originate in the San Emigdio Range. Sediments underlying the region consist of fluvial deposits including silt, sand and gravel. Sediments encountered during drilling activities at the site consist primarily of fine- to coarse-grained silty sand.

Table 1. Analytical results for soil in mg/kg - 5/22/91.

Sample #	Benzene	Toluene	Ethylbenzene	Xylenes	TPH as gasoline
B1-5	<0.005	<0.005	<0.005	<0.015	<10
B1-10	<0.005	<0.005	<0.005	<0.015	<10
B1-15	<0.005	<0.005	<0.005	<0.015	<10
B1-20	<0.005	<0.005	<0.005	<0.015	<10
B2-10	<0.005	<0.005	<0.005	<0.015	<10
B4-5	<0.005	<0.005	<0.005	<0.015	<10
B4-10	<0.005	<0.005	<0.005	<0.015	<82*
B4-15	<0.005	<0.005	<0.005	<0.015	<10
B4-20	<0.005	<0.005	<0.005	<0.015	<10
B5-10	<0.005	<0.005	<0.005	<0.015	<10
B7-10	<0.005	<0.005	<0.005	<0.015	<10
B8-5	<0.005	<0.005	<0.005	<0.015	<10
B8-10	<0.005	<0.005	<0.005	<0.015	<10
B8-16	<0.005	<0.005	<0.005	<0.015	<10
B9-5	<0.05	0.36	1.0	7.8	200
B9-10	<0.05	0.38	1.2	10	560
B9-15	<0.05	<0.05	1.2	9.1	490
B9-25	<0.005	<0.005	<0.005	<0.015	<10
B10-5	<0.005	<0.005	<0.005	<0.015	<10
B11-5	<0.005	<0.005	<0.005	<0.015	<10

* The chromatogram suggests the presence of a heavier hydrocarbon than gasoline.

Data from groundwater wells present approximately 2 miles north of the site indicate the presence of an unconfined aquifer at a depth of approximately 1,000 feet (Figure 3, Kern County Water Agency, 1990). No data regarding this aquifer is available in the immediate vicinity of the site. A cathodic-protection well was installed by Southern California Gas Company approximately 1/2 mile west of the site in 1977. No water was reported to a depth of 600 feet (personal communication, Kern County Water Agency).

PROCEDURES

On July 1 and 2, 1991 Groundwater Technology completed 8 soil borings (B12 through B19) at the locations shown in Figure 2. Three of the borings (B12, B14 and B15) were slant drilled under the western-most dispenser island and two borings (B17 and B18) were slant drilled under the eastern-most dispenser island. Soil samples were collected at 5-foot depth intervals with a split-spoon sampler lined with brass sample rings. The material from one sample ring was described on the lithologic log of the boring and field screened with a photoionization detector (PID) for volatile organic content. The lithologic logs are presented in Appendix A. A second ring was sealed with teflon sheets, plastic caps, and polyethylene tape. The samples were then stored in waterproof bags and placed on ice pending delivery to an analytical laboratory. Between each sampling attempt, the sampler and rings were washed with non-phosphate detergent and rinsed successively in tap and distilled water.

All samples were transported to state-certified GTEL Environmental Laboratories in Torrance, California (Cert. #723) following standard chain-of-custody procedures. Several soil samples from the borings were selected for laboratory analysis. The remainder of the samples were held by the laboratory. All selected samples were analyzed for concentrations of benzene, toluene, ethylbenzene, total xylenes (BTEX) and total petroleum hydrocarbons as gasoline (TPHG) using EPA methods 8020 and 8015, respectively. Additionally, one sample was screened for hydrocarbons using EPA method 8015.

ANALYTICAL RESULTS

Analytical results for soil samples collected during this investigation are presented in Table 2 and in Figure 5. TPHG was detected in five of the samples at concentrations up to 580 mg/kg. The sample exhibiting the highest TPHG concentration (sample no. B13-10) was also screened for the presence of other hydrocarbons (EPA method 8015). The analysis, which was inadvertently performed approximately one week beyond the standard holding time, indicated no detectable concentrations of TPH.

Various BTEX compounds are present in all of the samples analyzed except for B15-20 and B19-15. The highest benzene concentration detected, 0.059 mg/kg, was in sample B14-5. Laboratory reports and chain-of-custody documents are presented in Appendix B.

An analysis of the laboratory data for leaching potential and a general risk appraisal were completed following guidelines in the State Leaking Underground Fuel Tank (LUFT) Field Manual. Conservative site specific data, including a depth to groundwater of 100 feet and annual precipitation of 10 inches, were utilized. In addition, the highest concentrations of BTEX at any given depth, irrespective of boring location, were used in the general risk appraisal. The concentrations measured during this assessment are below

the maximum recommended levels for both analyses. The data sheets for both analyses are presented in Appendix C.

WASTE DISPOSITION

Approximately 1 yd^3 of soil was generated during this assessment. This material is temporarily stored in 55-gallon drums at the site. The soil will be handled by Texaco in an appropriate and timely manner.

SUMMARY

In July, 1991 Groundwater Technology completed 8 soil borings at the Texaco facility located at 9069 Grapevine Road in Lebec. Soil samples were collected and analyzed for BTEX and TPHG. The information presented in this report can be summarized as follows:

- sediments at the site consist of fine- to coarse-grained silty sand;
- groundwater is estimated to be at a depth in excess of 600 feet beneath the site;
- TPHG is present in five of the samples submitted for laboratory analysis. The maximum TPHG concentration is 580 mg/kg;
- Various BTEX compounds were detected in nearly all of the samples submitted for analysis. The highest benzene concentration detected was 0.059 mg/kg.
- The maximum allowable levels of BTEX and TPH, as recommended by the leaching potential analysis and general risk appraisal in the State LUFT manual, are not exceeded at the site.

Because hydrocarbon concentrations in soil at the site are below levels allowed in the State LUFT manual, remedial action alternatives are not presented. It is recommended that no further action be required at this site.

Table 2. Analytical results for soil in mg/kg - 7/2/91.

Sample #	Benzene	Toluene	Ethylbenzene	Xylenes	TPH as gasoline
B12-5	<0.005	0.039	0.014	0.12	<10
B12-10	<0.005	0.017	0.005	0.029	<10
B12-15*	<0.005	0.006	<0.005	0.79	495
B13-10**	<0.05	<0.05	<0.05	2.0	580
B13-15	<0.005	0.010	<0.005	<0.015	<10
B14-5	0.059	0.30	0.086	0.71	<10
B14-10	0.026	0.065	0.011	0.072	<10
B14-15	<0.005	0.024	0.006	0.030	<10
B15-5	0.011	0.19	0.045	0.23	33
B15-10**	<0.05	<0.05	0.16	1.2	340
B15-15**	<0.05	0.05	0.48	2.1	290
B15-20	<0.005	<0.005	<0.005	<0.015	<10
B16-15	<0.005	0.007	<0.005	<0.015	<10
B17-5	0.023	0.070	0.010	0.061	<10
B17-10	<0.005	0.011	<0.005	<0.015	<10
B17-15	<0.005	0.011	<0.005	<0.015	<10
B18-5	0.015	0.14	0.068	0.55	<10
B18-10	<0.005	0.066	0.023	0.17	<10
B18-15	<0.005	0.013	0.006	0.087	<10
B19-15	<0.005	<0.005	<0.005	<0.015	<10

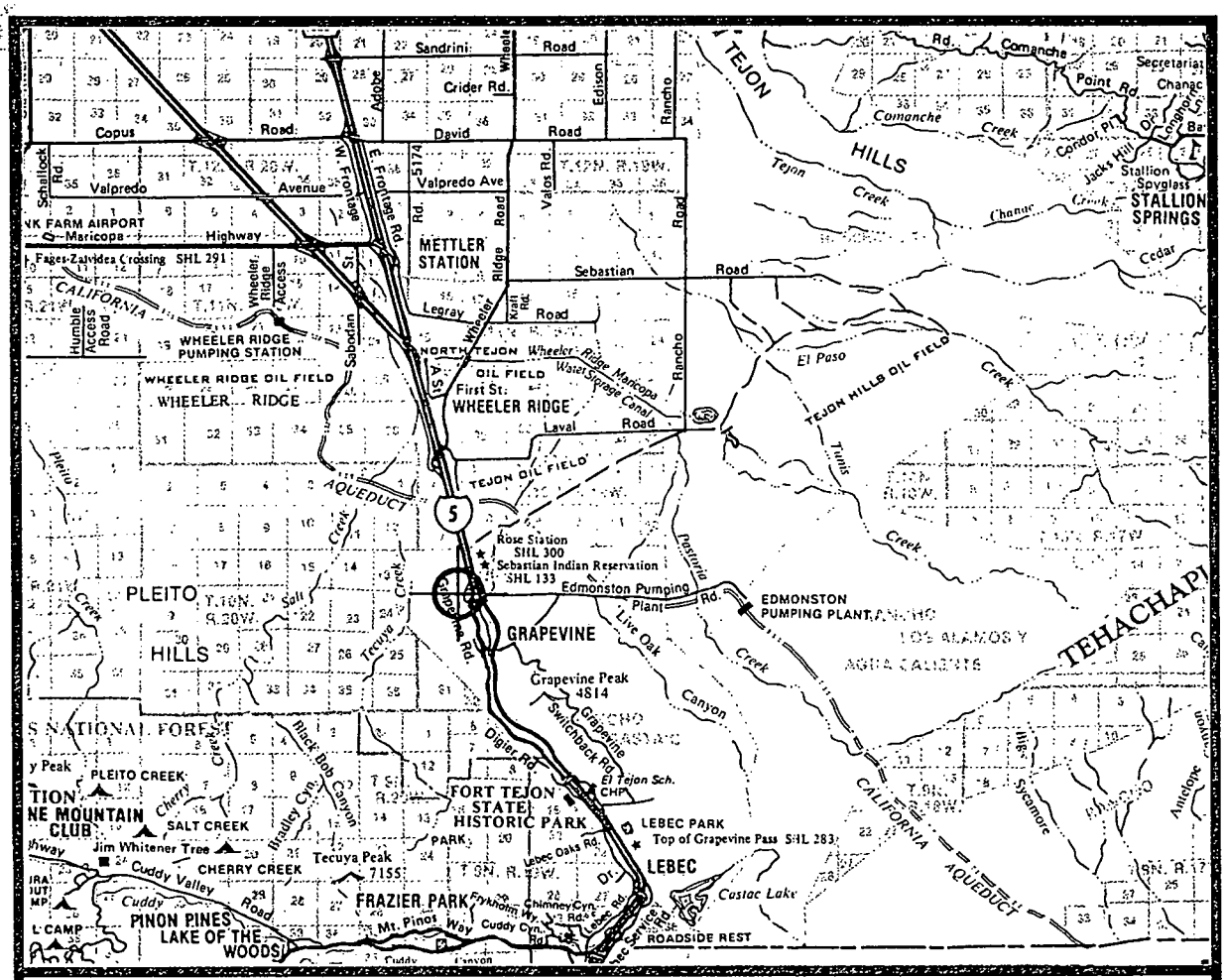
* This sample analyzed past holding time.
** Detection limit raised due to dilution.

REFERENCES

Kern County Water Agency, 1990, Water supply report, 1989.

State Water Resources Control Board, 1988, Leaking Underground Fuel Tank Field Manual

FIGURES



Site

N

SCALE:

4 0 2 4

miles

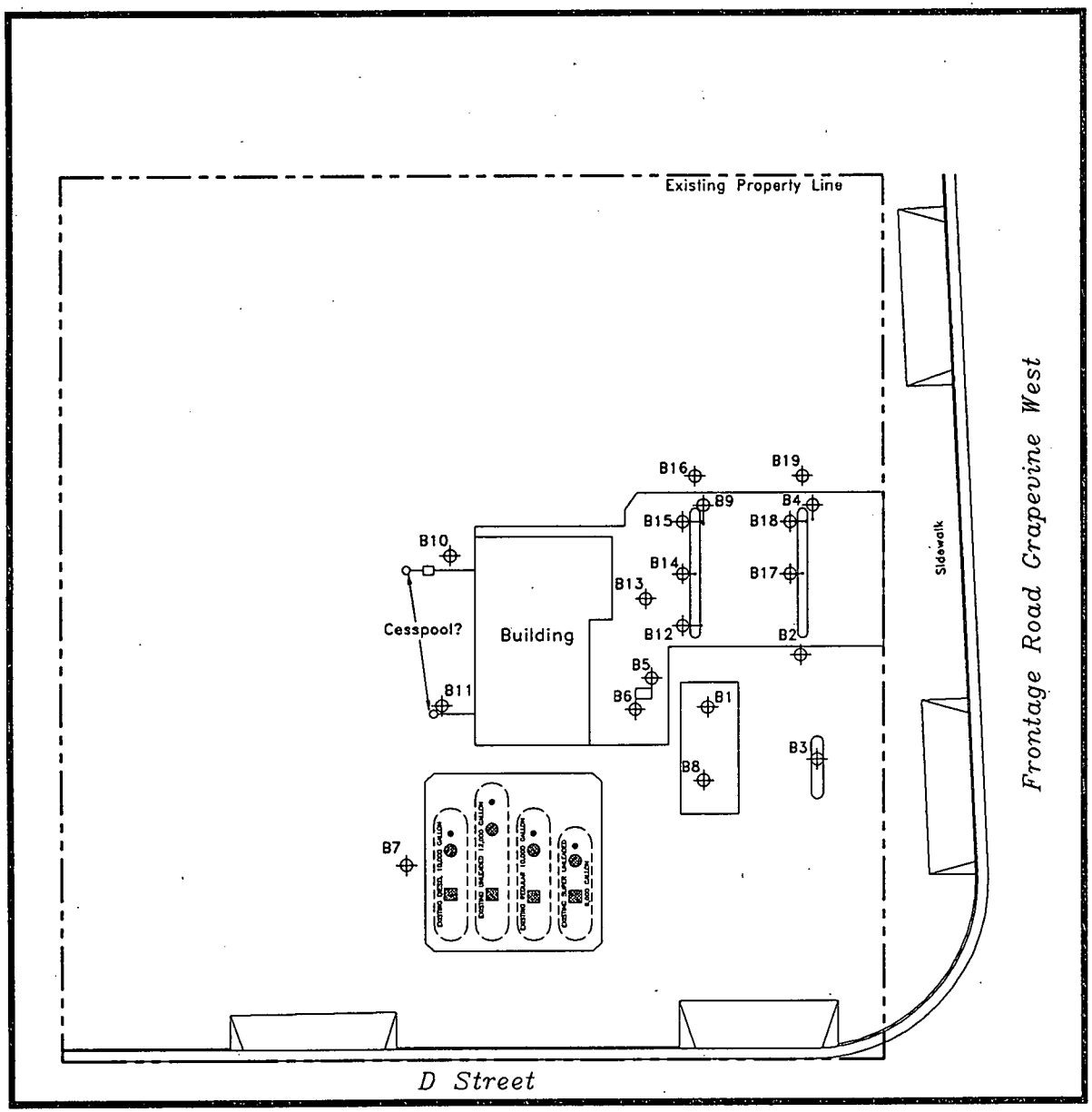
Source: Hoven & Co.

SITE: Grapevine Texaco			JOB #02250 1378
SITE LOC: 9069 Grapevine Road Lebec, California			
MAP TYPE: Location Index			
DRAWN BY: JDP	DATE: 6/91	APPROVED BY: JDP	DATE: 6/91

REV	REVISION	DATE	BY

FIGURE 1

GROUNDWATER TECHNOLOGY, INC.



LEGEND

N

B10 Boring Location

SCALE:

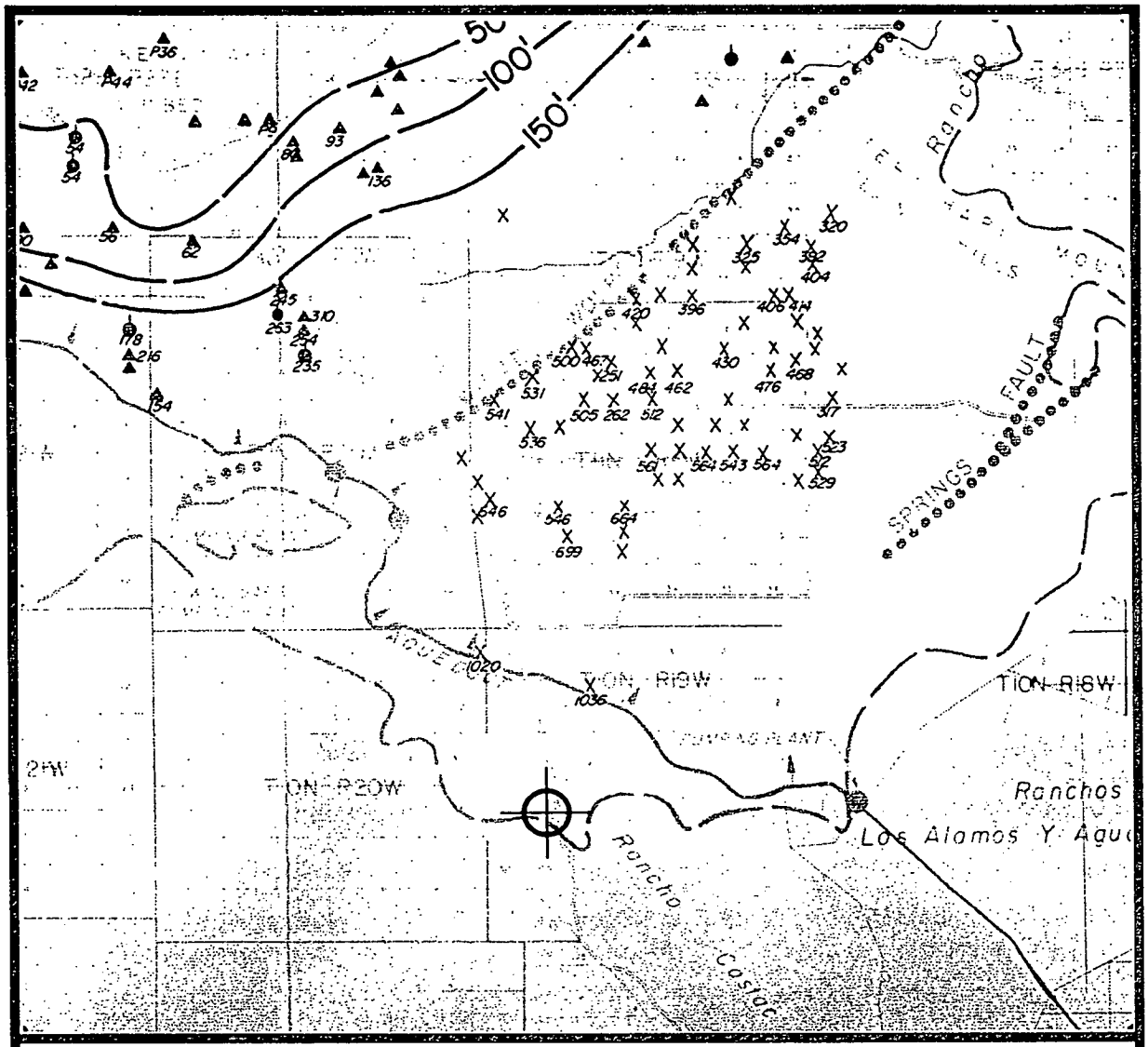
30' 0 15' 30'

SITE: Grapevine Texaco			JOB #02250 1378
SITE LOC: Lebec, California			
MAP TYPE: Site Map			
DRAWN BY: JDP	DATE: 6/91	APPROVED BY: JDP	DATE: 6/91

REV	REVISION	DATE	BY

FIGURE 2

GROUNDWATER TECHNOLOGY



Site

Legend

170' Depth to Groundwater

N

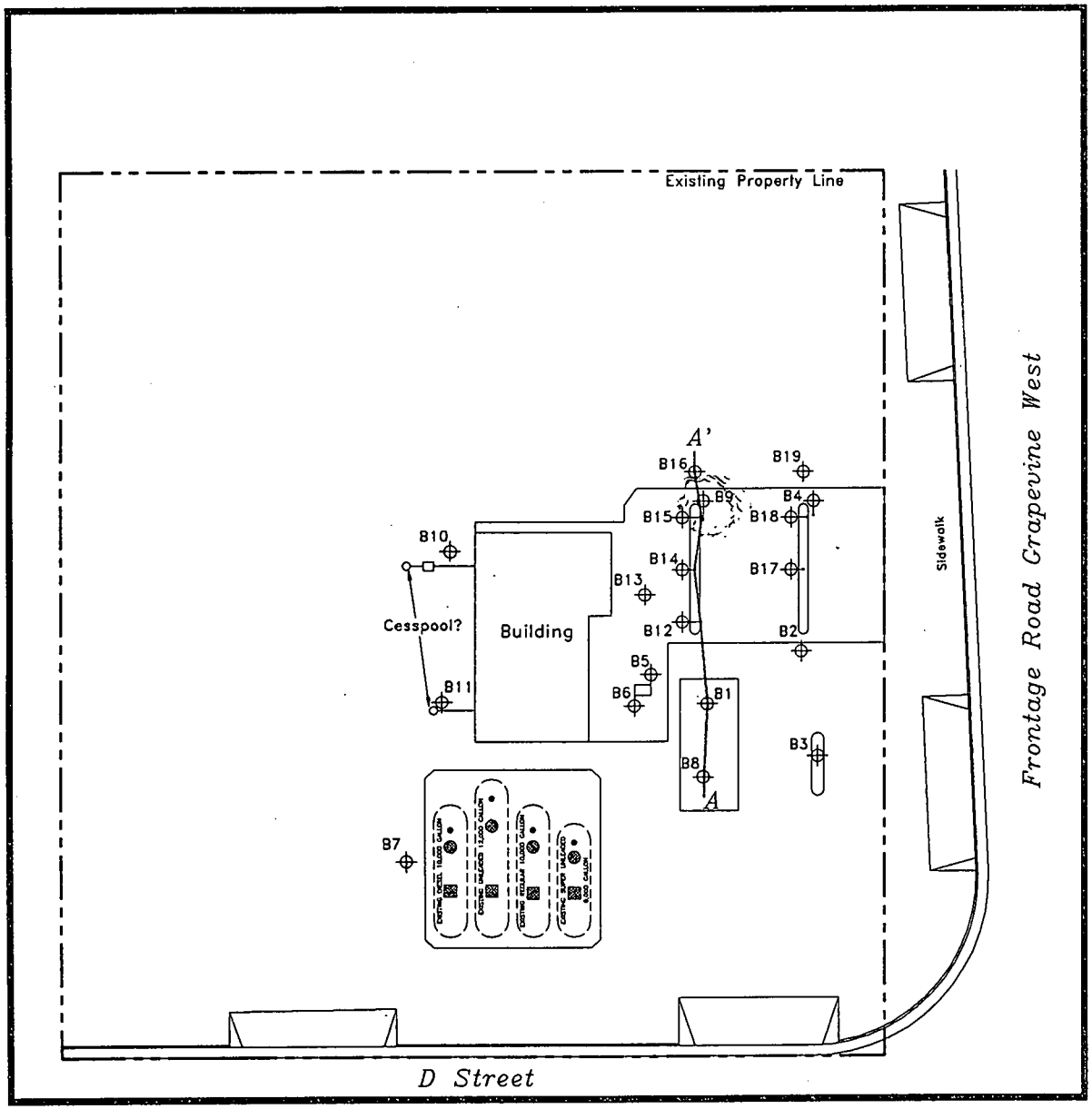
SCALE:

4 0 2 4

mile

Source: K.C.W.A. Report, 1990

SITE: Grapevine Texaco			JOB #02250 1378
SITE LOC: Lebec, California			
MAP TYPE: Depth to Groundwater			
DRAWN BY: JDP	DATE: 6/91	APPROVED BY: SAB	DATE: 6/91
FIGURE 3		GROUNDWATER TECHNOLOGY	



LEGEND

N

B10 Boring Location

SCALE:

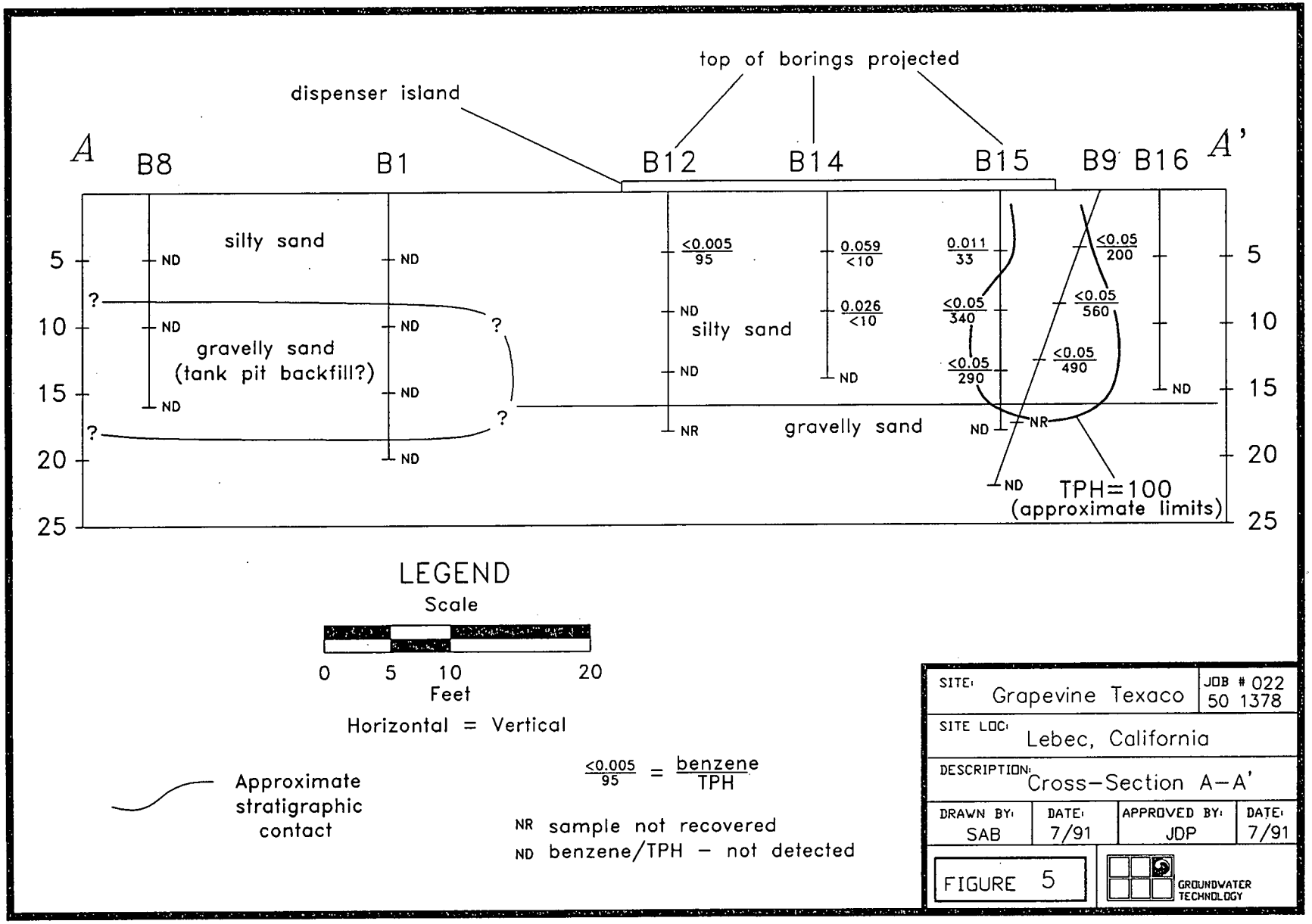
30' 0 15' 30'

SITE: Grapevine Texaco			JOB #02250 1378
SITE LOC: Lebec, California			
MAP TYPE: Cross-Section Index			
DRAWN BY: JDP	DATE: 6/91	APPROVED BY: JDP	DATE: 6/91

REV	REVISION	DATE	BY

FIGURE 4

GROUNDWATER TECHNOLOGY



SITE: Grapevine Texaco			JOB # 022 50 1378
SITE LOC: Lebec, California			
DESCRIPTION: Cross-Section A-A'			
DRAWN BY: SAB	DATE: 7/91	APPROVED BY: JDP	DATE: 7/91
FIGURE 5	GROUNDWATER TECHNOLOGY		

APPENDIX A
LITHOLOGIC LOGS

GROUNDWATER TECHNOLOGY

Drilling / Lithologic log

Boring/Well No. B1

Project Texaco Lebec
Location 2069 Grapevine Rd., Lebec, CA
Date Drilled May 21, 1991
Surface Elevation --
Screen: Dia. N/A Length N/A Slot Size N/A
Casing: Dia. N/A Length N/A Type N/A
Drilling Co. Sierra Pacific Exploration
Driller G. Medlock

Owner Texaco Refining & Marketing, Inc.
Project Number 022501378
Total Depth 20 Feet
Depth to Water --
Drill Method Hollow-Stem Auger
Logged By J. Winkler

Depth (ft)	Well Const. Pipe	Well Const. Fill	PID (ppm)	Samples Number	Samples Type	Samples Blows	Graphic Log	Soil Class	Description / Soil Classification (Texture, Color, Structures)
5		Grout	0	B1-5'	SS	7 10 9		SM	Sand, medium to coarse grained, silty (10%), poorly sorted, subangular, slightly hard, medium brown, dry, no odor.
10			0	B1-10'	SS	14 15 25		SW	Sand, medium grained, pebbly (15%), poorly sorted, angular, loose, grey brown, dry, no odor.
15			0	B1-15'	SS	6 6 7		SW	Sand, fine to coarse grained, poorly sorted, subangular, slightly hard, medium brown, dry, no odor.
20			0	B1-20'	SS	12 15 22		SW	Sand, medium grained, pebbly (10%), poorly sorted, angular, loose, medium brown, dry, no odor.
25									

GROUNDWATER TECHNOLOGY

Drilling / Lithologic log

Boring/Well No. B2

Project Texaco Lebec
Owner Texaco Refining & Marketing, Inc.
Location 2069 Grapevine Rd., Lebec, CA
Project Number 022501378
Date Drilled May 21, 1991
Total Depth 20 Feet
Surface Elevation --
Depth to Water --
Screen: Dia. N/A Length N/A Slot Size N/A
Casing: Dia. N/A Length N/A Type N/A
Drilling Co. Sierra Pacific Exploration
Drill Method Hollow-Stem Auger
Driller G. Medlock
Logged By J. Winkler

Depth (ft)	Well Const. Pipe	Well Const. Fill	PID (ppm)	Samples Number	Samples Type	Samples Blows	Graphic Log	Soil Class	Description / Soil Classification (Texture, Color, Structures)
5		Grout	0	B2-5'	SS	2 1 1		SC	Sand, fine grained, clayey, poorly sorted, subangular, soft, light brown, dry, no odor.
10			0	B2-10'	SS	20 25 7		SW	Sand, medium grained, pebbly (40%), poorly sorted, subangular, loose, white grey to grey brown, dry, no odor.
15			0	B2-15'	SS	7 10 11		SW	Sand, medium grained, pebbly (30%), poorly sorted, subangular, loose, medium brown, dry, no odor.
20			0	B2-20'	SS	10 12 21		SW	Sand, medium grained, pebbly (40%), poorly sorted, angular, loose, medium brown to grey brown, dry, no odor.
25									

GROUNDWATER TECHNOLOGY

Drilling / Lithologic log

Boring/Well No. B3

Project Texaco Lebec
Owner Texaco Refining & Marketing, Inc.
Location 2069 Grapevine Rd., Lebec, CA
Project Number 022501378
Date Drilled May 21, 1991
Total Depth 20 Feet
Surface Elevation --
Depth to Water --
Screen: Dia. N/A Length N/A Slot Size N/A
Casing: Dia. N/A Length N/A Type N/A
Drilling Co. Sierra Pacific Exploration
Drill Method Hollow-Stem Auger
Driller G. Medlock
Logged By J. Winkler

Depth (ft)	Well Const. Pipe	Well Const. Fill	PID (ppm)	Samples Number	Samples Type	Samples Blows	Graphic Log	Soil Class	Description / Soil Classification (Texture, Color, Structures)
5		Grout	0	B3-5'	SS	2 1 4		SM	Sand, fine grained, silty (10%), poorly sorted, subangular, soft, medium brown, dry, no odor.
10			0	B3-10'	SS	17 19 20		SW	Sand, medium grained, pebbly (30%), poorly sorted, subangular, soft, grey brown, dry, no odor.
15			0	B3-15'	SS	7 4 3		SM	Sand, fine to medium grained, silty (20%), poorly sorted, subangular, soft, medium brown, dry, no petroleum odor.
20			0	B3-20'	SS	4 5 22		SM	Sand, fine to medium grained, silty (20%), poorly sorted, subangular, soft, medium brown, dry, no odor.
25									

GROUNDWATER TECHNOLOGY

Drilling / Lithologic log

Boring/Well No. B4

Project Texaco Lebec
Owner Texaco Refining & Marketing, Inc.
Location 2069 Grapevine Rd., Lebec, CA
Project Number 022501378
Date Drilled May 21, 1991
Total Depth 20 Feet
Surface Elevation --
Depth to Water --
Screen: Dia. N/A Length N/A Slot Size N/A
Casing: Dia. N/A Length N/A Type N/A
Drilling Co. Sierra Pacific Exploration
Drill Method Hollow-Stem Auger
Driller G. Medlock
Logged By J. Winkler

Depth (ft)	Well Const. Pipe	Well Const. Fill	PID (ppm)	Samples Number	Samples Type	Samples Blows	Graphic Log	Soil Class	Description / Soil Classification (Texture, Color, Structures)
5		Grout	0	B4-5'	SS			ML	Silt, very fine grained, sandy (10%), poorly sorted, subangular, soft, light brown, dry, no odor.
10		Grout	0	B4-10'	SS			SM	Sand, medium grained, silty (20%), poorly sorted, subangular, soft, medium brown, dry, no odor.
15			0	B4-15'	SS			SW	Sand, medium grained, pebbly (20%), poorly sorted, subangular, slightly hard, medium brown, dry, no odor.
20			0	B4-20'	SS			SW	Sand, medium grained, pebbly (40%), poorly sorted, subangular, slightly hard, medium brown, dry, no odor.
25									

GROUNDWATER TECHNOLOGY

Drilling / Lithologic log

Boring/Well No. B5

Project Texaco Lebec
Location 2069 Grapevine Rd., Lebec, CA
Date Drilled May 21, 1991
Surface Elevation --
Screen: Dia. N/A Length N/A Slot Size N/A
Casing: Dia. N/A Length N/A Type N/A
Drilling Co. Sierra Pacific Exploration
Driller G. Medlock

Owner Texaco Refining & Marketing, Inc.
Project Number 022501378
Total Depth 15 Feet
Depth to Water --
Drill Method Hollow-Stem Auger
Logged By J. Winkler

Depth (ft)	Well Const. Pipe	Well Const. Fill	PID (ppm)	Samples Number	Samples Type	Samples Blows	Graphic Log	Soil Class	Description / Soil Classification (Texture, Color, Structures)
5		Grout	0	B5-5'	SS	1 1 4		ML	Silt, very fine grained, sandy (15%), poorly sorted, subangular, soft, medium brown, dry, no odor.
10			0	B5-10'	SS	1 2 3		SM	Sand, fine grained, silty (40%), poorly sorted, subangular, soft, medium brown, dry, no odor.
15			0	B5-15'	SS	4 7 11		SM	Sand, fine to coarse grained, silty (10%), poorly sorted, subangular, soft, greyish brown, dry, no odor.
20									
25									

GROUNDWATER TECHNOLOGY

Drilling / Lithologic log

Boring/Well No. B6

Project Texaco Lebec
Owner Texaco Refining & Marketing, Inc.
Location 2069 Grapevine Rd., Lebec, CA
Project Number 022501378
Date Drilled May 21, 1991
Total Depth 15 Feet
Surface Elevation --
Depth to Water --
Screen: Dia. N/A Length N/A Slot Size N/A
Casing: Dia. N/A Length N/A Type N/A
Drilling Co. Sierra Pacific Exploration
Drill Method Hollow-Stem Auger
Driller G. Medlock
Logged By J. Winkler

Depth (ft)	Well Const. Pipe	Well Const. Fill	PID (ppm)	Samples Number	Samples Type	Samples Blows	Graphic Log	Soil Class	Description / Soil Classification (Texture, Color, Structures)
5		Grout	0		SS				Pea gravel, grey white, dry, no odor, no sample.
10			0		SS			SW	Sand, medium grained, pebbly (40%), poorly sorted, subangular, slightly hard, greyish brown, dry, no odor, no sample.
15								SW	Sand, medium grained, pebbly (30%), poorly sorted, subangular, soft, greyish brown, dry, no odor, auger refusal, no sample.
20									
25									

GROUNDWATER TECHNOLOGY

Drilling / Lithologic log

Boring/Well No. B7

Project Texaco Lebec
Location 2069 Grapevine Rd., Lebec, CA
Date Drilled May 22, 1991
Surface Elevation --
Screen: Dia. N/A Length N/A Slot Size N/A
Casing: Dia. N/A Length N/A Type N/A
Drilling Co. Sierra Pacific Exploration Drill Method Hollow-Stem Auger
Driller G. Medlock Logged By J. Winkler

Owner Texaco Refining & Marketing, Inc.
Project Number 022501378
Total Depth 20 Feet
Depth to Water --

Depth (ft)	Well Const. Pipe	Well Const. Fill	PID (ppm)	Samples Number	Samples Type	Samples Blows	Graphic Log	Soil Class	Description / Soil Classification (Texture, Color, Structures)
5		Grout	0		SS	3 8 6		SW	Sand, medium grained, poorly sorted, subangular, soft, dark brown, dry, no odor, no sample recovery.
10			0	B7-10'	SS	3 4 5		SM	Sand, fine to medium grained, silty (20%), poorly sorted, subangular, soft, medium brown, dry, no odor.
15			0	B7-15'	SS	3 8 11		SW	Sand, medium to coarse grained, pebbly (10%), poorly sorted, subangular, slightly hard, medium brown, dry, no odor.
20			0	B7-20'	SS	23 23 31		SW	Sand, medium to coarse grained, pebbly (40%), poorly sorted, subangular, slightly hard, medium brown, dry, no odor.
25									

GROUNDWATER TECHNOLOGY

Drilling / Lithologic log

Boring/Well No. B8

Project Texaco Lebec
Owner Texaco Refining & Marketing, Inc.
Location 2069 Grapevine Rd., Lebec, CA
Project Number 022501378
Date Drilled May 22, 1991
Total Depth 16 Feet
Surface Elevation --
Depth to Water --
Screen: Dia. N/A Length N/A Slot Size N/A
Casing: Dia. N/A Length N/A Type N/A
Drilling Co. Sierra Pacific Exploration
Drill Method Hollow-Stem Auger
Driller G. Medlock
Logged By J. Winkler

Depth (ft)	Well Const. Pipe	Well Const. Fill	PID (ppm)	Samples Number	Samples Type	Samples Blows	Graphic Log	Soil Class	Description / Soil Classification (Texture, Color, Structures)
5		Grout	0	B8-5'	SS	8 10 15		SM	Sand, medium to coarse grained, silty (20%), poorly sorted, subangular, soft, medium brown, dry, no odor.
10			0	B8-10'	SS	3 6 16		SW	Sand, medium grained, pebbly (10%), moderately sorted, subangular, soft, medium brown, dry, no odor.
15			8	B8-16'	SS	16 18 25		SW	Sand, coarse grained, pebbly (30%), poorly sorted, subangular, greyish brown, dry, no odor.
20									
25									

GROUNDWATER TECHNOLOGY

Drilling / Lithologic log

Boring/Well No. B9

Project Texaco Lebec
Owner Texaco Refining & Marketing, Inc.
Location 2069 Grapevine Rd., Lebec, CA
Project Number 022501378
Date Drilled May 22, 1991
Total Depth 25 Feet
Surface Elevation --
Depth to Water --
Screen: Dia. N/A Length N/A Slot Size N/A
Casing: Dia. N/A Length N/A Type N/A
Drilling Co. Sierra Pacific Exploration
Drill Method Hollow-Stem Auger
Driller G. Medlock
Logged By J. Winkler

Depth (ft)	Well Const. Pipe	Well Const. Fill	PID (ppm)	Samples Number	Samples Type	Samples Blows	Graphic Log	Soil Class	Description / Soil Classification (Texture, Color, Structures)
5		Grout	30	B9-5'	SS			SM	Sand, fine grained, silty (40%), poorly sorted, subangular, soft, medium brown, dry, faint gasoline odor.
10			30	B9-10'	SS			SM	Sand, fine to medium grained, silty (40%), poorly sorted, subangular, soft, dry, moderate gasoline odor.
15			40	B9-15'	SS			SM	Sand, fine grained, silty (30%), moderately sorted, subangular, soft, medium brown, dry, faint gasoline odor.
20			25		SS			SW	Sand, fine grained, silty (10%), moderately sorted, subangular, soft, medium brown, dry, faint gasoline odor, no sample recovery.
25				B9-25'	SS			SW	Sand, medium grained, pebbly (30%), poorly sorted, subangular, soft, greyish brown, dry, no odor.
									Drilled at 20° angle to vertical.

GROUNDWATER TECHNOLOGY

Drilling / Lithologic log

Boring/Well No. B10

Project Texaco Lebec
Owner Texaco Refining & Marketing, Inc.
Location 2069 Grapevine Rd., Lebec, CA
Project Number 022501378
Date Drilled May 22, 1991
Total Depth 15 Feet
Surface Elevation --
Depth to Water --
Screen: Dia. N/A Length N/A Slot Size N/A
Casing: Dia. N/A Length N/A Type N/A
Drilling Co. Sierra Pacific Exploration
Drill Method Hollow-Stem Auger
Driller G. Medlock
Logged By J. Winkler

Depth (ft)	Well Const. Pipe	Well Const. Fill	PID (ppm)	Samples Number	Samples Type	Samples Blows	Graphic Log	Soil Class	Description / Soil Classification (Texture, Color, Structures)
5		Grout	0	B10-5'	SS	3 3 7		SM	Sand, fine grained, silty (30%), moderately sorted, subangular, soft, medium brown, dry, no odor.
10			0	B10-10'	SS	5 7 6		SW	Sand, fine to coarse grained, pebbly (20%), poorly sorted, angular, slightly hard, medium brown, dry, no odor.
15			0	B10-15'	SS	3 7 10		SW	Sand, fine to coarse grained, pebbly (20%), poorly sorted, angular, slightly hard, medium brown, dry, no odor.
20									
25									

GROUNDWATER TECHNOLOGY

Drilling / Lithologic log

Boring/Well No. B11

Project Texaco Lebec
Location 2069 Grapevine Rd., Lebec, CA
Date Drilled May 22, 1991
Surface Elevation --
Screen: Dia. N/A Length N/A
Casing: Dia. N/A Length N/A
Drilling Co. Sierra Pacific Exploration
Driller G. Medlock

Owner Texaco Refining & Marketing, Inc.
Project Number 022501378
Total Depth 20 Feet
Depth to Water --
Slot Size N/A
Type N/A
Drill Method Hollow-Stem Auger
Logged By J. Winkler

Depth (ft)	Well Const. Pipe	Well Const. Fill	PID (ppm)	Samples Number	Samples Type	Samples Blows	Graphic Log	Soil Class	Description / Soil Classification (Texture, Color, Structures)
5		Grout	0	B11-5'	SS	3 4 6		SM	Sand, medium grained, silty (10%), poorly sorted, angular, soft, medium brown, dry, no odor.
10			0	B11-10'	SS	4 4 5		SM	Sand, fine to coarse grained, silty (5%), poorly sorted, angular, soft, medium brown, dry, no odor.
15			0	B11-15'	SS	14 16 23		SW	Sand, medium grained, pebbly, poorly sorted, angular, slightly hard, medium brown, dry, no odor.
20			0	B11-20'	SS	19 21 31		SW	Sand, medium grained, pebbly, poorly sorted, angular, slightly hard, medium brown, dry, no odor.
25									

GROUNDWATER TECHNOLOGY

Drilling / Lithologic log

Boring/Well No. B12

Project Texaco Grapevine
Owner Texaco Refining & Marketing, Inc.
Location Grapevine Road, Lebec, CA
Project Number 022501378
Date Drilled July 1, 1991
Total Depth 20 Feet**
Surface Elevation --
Depth to Water --
Screen: Dia. -- Length -- Slot Size --
Casing: Dia. -- Length -- Type --
Drilling Co. Gregg Drilling
Drill Method Hollow-Stem Auger
Driller J. Leonard
Logged By S. Bork

Depth (ft)	Well Const. Pipe	Well Const. Fill	PID (ppm)	Samples Number	Samples Type	Samples Blows	Graphic Log	Soil Class	Description / Soil Classification (Texture, Color, Structures)
			1934					SM	Concrete. Sand, very fine to fine grained, silty, poorly sorted, loose, olive to dark grey, saturated, strong gasoline odor, minor clay.
5			71	B12-5'	SS			SM	Sand, fine to coarse grained, silty, poorly sorted, loose, light brown, moist, no odor, minor clay and fine gravel.
								SM	Sand, fine to coarse grained, silty, poorly sorted, subangular, loose, dark brown, damp, no odor, minor fine gravel.
10		Grout	2	B12-10'	SS				
								SM	Sand, fine to coarse grained, silty, poorly sorted, subangular, loose, dark brown, damp, moderate gasoline odor, minor fine gravel.
15			110	B12-15'	SS				
								GW	Gravelly sand, fine to coarse grained, poorly sorted, subangular, loose, medium grey, damp, weak gasoline odor, fine to coarse gravel. *PID reading taken on disturbed sample.
20			90*		SS				** 27° angle toward east.
25									

GROUNDWATER TECHNOLOGY

Drilling / Lithologic log

Boring/Well No. B-13

Project Texaco Grapevine
Location Grapevine Road, Lebec, CA
Date Drilled July 1, 1991
Surface Elevation --
Screen: Dia. -- Length -- Slot Size --
Casing: Dia. -- Length -- Type --
Drilling Co. Gregg Drilling
Driller J. Leonard

Owner Texaco Refining & Marketing, Inc.
Project Number 022501378
Total Depth 15 Feet
Depth to Water --
Drill Method Hollow-Stem Auger
Logged By S. Bork

Depth (ft)	Well Const. Pipe	Well Const. Fill	PID (ppm)	Samples Number	Samples Type	Samples Blows	Graphic Log	Soil Class	Description / Soil Classification (Texture, Color, Structures)
		Grout	1082					SM	Concrete. Sand, very fine to fine grained, silty, poorly sorted, loose, medium brown, damp, moderate gasoline odor, minor clay.
5			14	B13-5'	SS			SM	Sand, fine to coarse grained, silty, poorly sorted, subangular, loose, medium brown, damp, no odor, minor clay and fine gravel.
10			9	B13-10'	SS			SM	Sand, fine to coarse grained, silty, poorly sorted, subangular, loose, medium brown, damp, no odor, minor fine gravel.
15			5	B13-15'	SS			SM	Sand, fine to coarse grained, silty, poorly sorted, subangular, loose, medium brown, damp, no odor, minor fine gravel.
20									
25									

GROUNDWATER TECHNOLOGY

Drilling / Lithologic log

Boring/Well No. B14

Project Texaco Grapevine
Location Grapevine Road, Lebec, CA
Date Drilled July 1, 1991
Surface Elevation --
Screen: Dia. -- Length -- Slot Size --
Casing: Dia. -- Length -- Type --
Drilling Co. Gregg Drilling
Driller J. Leonard

Owner Texaco Refining & Marketing, Inc.
Project Number 022501378
Total Depth 15 Feet*
Depth to Water --
Drill Method Hollow-Stem Auger
Logged By S. Bork

Depth (ft)	Well Const. Pipe	Well Const. Fill	PID (ppm)	Samples Number	Samples Type	Samples Blows	Graphic Log	Soil Class	Description / Soil Classification (Texture, Color, Structures)
		Grout							Concrete.
								SM	Sand, fine to coarse grained, silty, poorly sorted, loose, medium brown, damp, faint gasoline odor, minor clay.
5			11	B14-5'	SS			SM	Sand, fine to coarse grained, silty, poorly sorted, subangular, loose, medium brown, damp, no odor, minor clay and fine gravel.
10			216	B14-10'	SS			SM	Sand, fine to coarse grained, silty, poorly sorted, subangular, loose, medium brown, damp, faint gasoline odor, minor gravel.
15			59	B14-15'	SS			SM	Sand, fine to coarse grained, silty, poorly sorted, subangular, loose, medium brown, damp, no odor, minor fine gravel.
20									* 23° angle toward east.
25									

GROUNDWATER TECHNOLOGY

Drilling / Lithologic log

Boring/Well No. B15

Project Texaco Grapevine
Location Grapevine Road, Lebec, CA
Date Drilled July 1, 1991
Surface Elevation --
Screen: Dia. -- Length -- Slot Size --
Casing: Dia. -- Length -- Type --
Drilling Co. Gregg Drilling
Driller J. Leonard

Owner Texaco Refining & Marketing, Inc.
Project Number 022501378
Total Depth 20 Feet*
Depth to Water --
Drill Method Hollow-Stem Auger
Logged By S. Bork

Depth (ft)	Well Const. Pipe	Well Const. Fill	PID (ppm)	Samples Number	Samples Type	Samples Blows	Graphic Log	Soil Class	Description / Soil Classification (Texture, Color, Structures)
			1890					SM	Concrete. Sand, fine to coarse grained, silty, poorly sorted, loose, olive grey, damp, strong gasoline odor.
5		Grout	145	B15-5'	SS			SM	Sand, fine to coarse grained, silty, poorly sorted, subangular, loose, medium brown, damp, moderate petroleum odor, minor clay and fine gravel.
10		Grout	368	B15-10'	SS			SM	Sand, fine to coarse grained, silty, poorly sorted, subangular, loose, medium brown, damp, moderate petroleum odor, minor fine gravel.
15		Grout	140	B15-15'	SS			SM	Sand, fine to coarse grained, silty, poorly sorted, subangular, loose, medium brown, damp, moderate petroleum odor, minor fine gravel.
20		Grout	562	B15-20'	SS			SW	Sand, pebbly, subangular, hard, medium greyish brown, damp, moderate gasoline odor, fine to coarse gravel. *26° angle toward east.
25									

GROUNDWATER TECHNOLOGY

Drilling / Lithologic log

Boring/Well No. B16

Project Texaco Grapevine
Location Grapevine Road, Lebec, CA
Date Drilled July 1, 1991
Surface Elevation --
Screen: Dia. -- Length -- Slot Size --
Casing: Dia. -- Length -- Type --
Drilling Co. Gregg Drilling
Driller J. Leonard

Owner Texaco Refining & Marketing, Inc.
Project Number 022501378
Total Depth 15 Feet
Depth to Water --
Drill Method Hollow-Stem Auger
Logged By S. Bork

Depth (ft)	Well Const. Pipe	Well Const. Fill	PID (ppm)	Samples Number	Samples Type	Samples Blows	Graphic Log	Soil Class	Description / Soil Classification (Texture, Color, Structures)
		Grout	396					SM	Concrete. Sand, fine to medium grained, silty, poorly sorted, loose, dark grey, moist, weak petroleum odor.
5			19					SM	Sand, fine to coarse grained, silty, poorly sorted, subangular, soft, medium brown, damp, faint petroleum odor, no recovery at 5', minor clay and fine gravel.
10			16	B16-10'	SS			SM	Sand, fine to coarse grained, silty, poorly sorted, subangular, loose, medium brown, damp, no odor, minor clay and fine gravel.
15			10	B16-15'	SS			SM	Sand, fine to coarse grained, silty, poorly sorted, subangular, soft, medium brown, damp, no odor, minor fine gravel.
20									
25									

GROUNDWATER TECHNOLOGY

Drilling / Lithologic log

Boring/Well No. B17

Project Texaco Grapevine
Location Grapevine Road, Lebec, CA
Date Drilled July 2, 1991
Surface Elevation --
Screen: Dia. -- Length -- Slot Size --
Casing: Dia. -- Length -- Type --
Drilling Co. Gregg Drilling
Driller J. Leonard

Owner Texaco Refining & Marketing, Inc.
Project Number 022501378
Total Depth 15 Feet*
Depth to Water --
Drill Method Hollow-Stem Auger
Logged By S. Bork

Depth (ft)	Well Const. Pipe	Well Const. Fill	PID (ppm)	Samples Number	Samples Type	Samples Blows	Graphic Log	Soil Class	Description / Soil Classification (Texture, Color, Structures)
									Concrete.
								SM	Sand, fine to medium grained, silty, poorly sorted, loose, dark grey, saturated, strong gasoline odor.
5		Grout	92	B17-5'	SS			SM	Sand, fine to coarse grained, silty, poorly sorted, subangular, loose, medium brown, damp, faint gasoline odor, minor clay and fine gravel.
10			37	B17-10'	SS			SM	Sand, fine to coarse grained, silty, poorly sorted, subangular, soft, medium brown, damp, no petroleum odor, minor fine gravel.
								SM	Sand, fine to coarse grained, silty, poorly sorted, subangular, soft, medium brown, damp, no odor, minor fine gravel.
15			27	B17-15'	SS				* 24° angle toward east.
20									
25									

GROUNDWATER TECHNOLOGY

Drilling / Lithologic log

Boring/Well No. B18

Project Texaco Grapevine
Location Grapevine Road, Lebec, CA
Date Drilled July 2, 1991
Surface Elevation --
Screen: Dia. -- Length -- Slot Size --
Casing: Dia. -- Length -- Type --
Drilling Co. Gregg Drilling
Driller J. Leonard

Owner Texaco Refining & Marketing, Inc.
Project Number 022501378
Total Depth 17 Feet*
Depth to Water --
Drill Method Hollow-Stem Auger
Logged By S. Bork

Depth (ft)	Well Const. Pipe	Well Const. Fill	PID (ppm)	Samples Number	Samples Type	Samples Blows	Graphic Log	Soil Class	Description / Soil Classification (Texture, Color, Structures)
5		Grout	1595	B18-5'	SS			SM	Concrete. Sand, fine to coarse grained, silty, poorly sorted, loose, dark grey, wet, strong gasoline odor, minor clay.
								SM	Sand, fine to coarse grained, silty, poorly sorted, subangular, loose, olive grey, damp, strong gasoline odor, minor clay and fine gravel.
10			397	B18-10'	SS			SM	Sand, fine to coarse grained, silty, poorly sorted, subangular, loose, medium brown, damp, moderate gasoline odor, minor fine gravel.
								SM	Sand, fine to coarse grained, silty, poorly sorted, subangular, loose, medium brown, damp, strong gasoline odor, minor fine gravel.
15			653	B18-15'	SS			SM	Sand, fine to coarse grained, silty, poorly sorted, subangular, loose, medium brown, damp, strong gasoline odor, abundant coarse gravel.
20									* 26° angle toward east.
25									

GROUNDWATER TECHNOLOGY

Drilling / Lithologic log

Boring/Well No. B19

Project Texaco Grapevine
Location Grapevine Road, Lebec, CA
Date Drilled July 2, 1991
Surface Elevation --
Screen: Dia. -- Length -- Slot Size --
Casing: Dia. -- Length -- Type --
Drilling Co. Gregg Drilling
Driller J. Leonard

Owner Texaco Refining & Marketing, Inc.
Project Number 022501378
Total Depth 15 Feet
Depth to Water --
Drill Method Hollow-Stem Auger
Logged By S. Bork

Depth (ft)	Well Const. Pipe	Well Const. Fill	PID (ppm)	Samples Number	Samples Type	Samples Blows	Graphic Log	Soil Class	Description / Soil Classification (Texture, Color, Structures)
									Concrete.
								SM	Sand, fine to medium grained, silty, poorly sorted, loose, dark grey, wet, strong gasoline odor, minor clay.
5		Grout	4.0	B19-6'	SS			SM	Sand, fine to coarse grained, silty, poorly sorted, subangular, loose, medium brown, damp, no odor, no recovery at 5', minor clay and fine gravel.
10			2.0	B19-10'	SS			SM	Sand, fine to coarse grained, silty, poorly sorted, subangular, loose, medium brown, damp, no odor, minor fine gravel.
15			2.0	B19-15'	SS			SM	Sand, fine to coarse grained, silty, poorly sorted, subangular, loose, medium brown, damp, no odor, minor fine gravel.
20									
25									

APPENDIX B
LABORATORY REPORTS

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(213) 371-1044
(800) 727-GTEL
Fax (213) 371-8720

Client Number: GTI80.TEX03
Project ID: Texaco
Work Order Number: T1-07-069

August 6, 1991

Mr. Jon Parker
Groundwater Technology, Inc.
4101 Alken Street, Suite B-1
Bakersfield, CA 93308

Dear Mr. Parker,

Enclosed please find the analytical results report prepared by GTEL for samples received on 7/3/91, under chain of custody number 76-1574.

GTEL is certified by the California State Department of Health Services to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

A formal quality control/quality assurance program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project was performed in strict adherence to our QA/QC program to ensure sample integrity and to meet quality control criteria.

All procedures and quality control have been met unless otherwise noted on the report.

If you have any question concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Rebecca Hsu-Chou, Ph.D.
Laboratory Director

Client Number: GTI80.TEX03
Project ID: Texaco
Work Order Number: T1-07-069

Table 1 Con't

ANALYTICAL RESULTS

Aromatic Volatile Organics and
Total Petroleum Hydrocarbons as Gasoline in Soil
EPA Methods 8020 and modified 8015[a]

GTEL Sample Number		1A	2A	5A*	6A
Client Identification		B12-5	B12-10	B13-10	B13-15
Date Sampled		7/1/91	7/1/91	7/1/91	7/1/91
Date Extracted		7/9/91	7/9/91	7/9/91	7/9/91
Date Analyzed		7/10/91	7/10/91	7/10/91	7/10/91
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	<0.005	<0.005	<0.05	<0.005
Toluene	0.005	0.039	0.017	<0.05	0.010
Ethyl Benzene	0.005	0.014	0.005	<0.05	<0.005
Xylene (total)	0.015	0.12	0.029	2.0	<0.015
BTEX (total)	--	0.17	0.051	2.0	0.010
TPH as Gasoline	10	<10	<10	580	<10
Detection Limit Multiplier		1	1	10	1
Percent Solids, %		90.1	90.9	92.2	95.2

a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA November 1986;Methanolic extraction by EPA Method 5030 (purge and trap) for aromatic volatile organics; modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols,May 1988 revision.

b. Concentrations calculated on wet basis.

* Detection Limit raised due to dilution.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Client Number: GTI80.TEX03
Project ID: Texaco
Work Order Number: T1-07-069

Table 1 Con't

ANALYTICAL RESULTS

Aromatic Volatile Organics and
Total Petroleum Hydrocarbons as Gasoline in Soil
EPA Methods 8020 and modified 8015[a]

GTEL Sample Number		7A	8A	9A	10A
Client Identification		B14-5	B14-10	B14-15	B15-5
Date Sampled		7/1/91	7/1/91	7/1/91	7/1/91
Date Extracted		7/9/91	7/9/91	7/9/91	7/9/91
Date Analyzed		7/10/91	7/10/91	7/10/91	7/10/91
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	0.059	0.026	<0.005	0.011
Toluene	0.005	0.30	0.065	0.024	0.19
Ethyl Benzene	0.005	0.086	0.011	0.006	0.045
Xylene (total)	0.015	0.71	0.072	0.030	0.23
BTEX (total)	---	1.2	0.17	0.060	0.48
TPH as Gasoline	10	<10	<10	<10	33
Detection Limit Multiplier		1	1	1	1
Percent Solids, %		92.6	92.4	93.0	92.0

a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA November 1986;Methanolic extraction by EPA Method 5030 (purge and trap) for aromatic volatile organics; modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols,May 1988 revision.

b. Concentrations calculated on wet basis.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Client Number: GTI80.TEX03
Project ID: Texaco
Work Order Number: T1-07-069

Table 1 Con't

ANALYTICAL RESULTS

Aromatic Volatile Organics and
Total Petroleum Hydrocarbons as Gasoline in Soil
EPA Methods 8020 and modified 8015[a]

GTEL Sample Number		11A*	12A*	13A	15A
Client Identification		B15-10	B15-15	B15-20	B16-15
Date Sampled		7/1/91	7/1/91	7/1/91	7/1/91
Date Extracted		7/9/91	7/9/91	7/9/91	7/9/91
Date Analyzed		7/10/91	7/10/91	7/10/91	7/10/91
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	<0.05	<0.05	<0.005	<0.005
Toluene	0.005	<0.05	0.05	<0.005	0.007
Ethyl Benzene	0.005	0.16	0.48	<0.005	<0.005
Xylene (total)	0.015	1.2	2.1	<0.015	<0.015
BTEX (total)	---	1.4	2.6	--	0.007
TPH as Gasoline	10	340	290	<10	<10
Detection Limit Multiplier		10	10	1	1
Percent Solids, %		93.2	94.8	95.4	94.6

a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA November 1986;Methanolic extraction by EPA Method 5030 (purge and trap) for aromatic volatile organics; modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols,May 1988 revision.
b. Concentrations calculated on wet basis.
*. Detection limit raised due to dilution.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Client Number: GTI80.TEX03
Project ID: Texaco
Work Order Number: T1-07-069

Table 1 Con't

ANALYTICAL RESULTS

Aromatic Volatile Organics and
Total Petroleum Hydrocarbons as Gasoline in Soil
EPA Methods 8020 and modified 8015[a]

GTEL Sample Number		16A	17A	18A	19A
Client Identification		B17-5	B17-10	B17-15	B18-5
Date Sampled		7/1/91	7/1/91	7/1/91	7/1/91
Date Extracted		7/9/91	7/9/91	7/9/91	7/9/91
Date Analyzed		7/10/91	7/10/91	7/10/91	7/10/91
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	0.023	<0.005	<0.005	0.015
Toluene	0.005	0.070	0.011	0.011	0.14
Ethyl Benzene	0.005	0.010	<0.005	<0.005	0.068
Xylene (total)	0.015	0.061	<0.015	<0.015	0.55
BTEX (total)	---	0.16	0.011	0.011	0.77
TPH as Gasoline	10	<10	<10	<10	<10
Detection Limit Multiplier		1	1	1	1
Percent Solids, %		89.8	96.1	93.4	89.9

a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA November 1986;Methanolic extraction by EPA Method 5030 (purge and trap) for aromatic volatile organics; modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols,May 1988 revision.

b. Concentrations calculated on wet basis.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Client Number: GTI80.TEX03
Project ID: Texaco
Work Order Number: T1-07-069

Table 1 Con't

ANALYTICAL RESULTS

Aromatic Volatile Organics and
Total Petroleum Hydrocarbons as Gasoline in Soil
EPA Methods 8020 and modified 8015[a]

GTEL Sample Number		20A	21A	24A	3A*
Client Identification		B18-10	B18-15	B19-15	B-12-15
Date Sampled		7/1/91	7/1/91	7/1/91	7/1/91
Date Extracted		7/9/91	7/9/91	7/9/91	7/18/91
Date Analyzed		7/10/91	7/10/91	7/10/91	7/19/91
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.005	0.066	0.013	<0.005	0.006
Ethyl Benzene	0.005	0.023	0.006	<0.005	<0.005
Xylene (total)	0.015	0.17	0.087	<0.015	0.79
BTEX (total)	---	0.26	0.11	--	0.80
TPH as Gasoline	10	<10	<10	<10	95
Detection Limit Multiplier		1	1	1	1
Percent Solids, %		91.8	91.8	94.6	92.2

a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA November 1986;Methanolic extraction by EPA Method 5030 (purge and trap) for aromatic volatile organics; modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols,May 1988 revision.
b. Concentrations calculated on wet basis.
* This sample analyzed past holding time and results should be used qualitatively only.

GTEL ENVIRONMENTAL LABORATORIES, INC.

GTEL ENVIRONMENTAL LABORATORIES, INC.

20000 Mariner Dr., Suite #300
Torrance, CA 90503
213-371-1044
800-727-GTEL

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST 76-1574

Project Manager: Jon Parker
Phone #: (805) 589-8601
FAX #: " " 8605
Address: 4104 Aiken, Ste B-1, Bak. CA 93308
Site location: Lebec, CA
Project Number: 022501378
Project Name: Texaco
I attest that the proper field sampling procedures were used during the collection of these samples.
Sampler Name (Print): Stephan A. Bork

ANALYSIS REQUEST

Field Sample ID	Source of Sample	GTEL Lab # (Lab use only)	# CONTAINERS	Matrix: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCl	HNO_3	H_2SO_4	ICE	NONE	OTHER	Sampling: DATE	TIME	BTEX 602 ☐ 8020 ☐ with MTBE ☐	BTEX/TPH Gas 602/8015 ☐ 8020/8015 ☐ MTBE ☐	TPH as ☐ Gas ☐ Diesel ☐ Jet Fuel	Product I.D. by GC (SIMDIS) ☐	Total Oil & Grease: 413.1 ☐ 413.2 ☐ 503A ☐	Total Petroleum Hydrocarbons: 418.1 ☐ 503E ☐	EPA 601 ☐ 8010 ☐ DCA only ☐	EPA 602 ☐ 8020 ☐	EPA 608 ☐ 8080 ☐ PCBs only ☐	EPA 610 ☐ 8310 ☐	EPA 624 ☐ 8240 ☐ NBS +15 ☐	EPA 625 ☐ 8270 ☐ NBS +25 ☐	EPTOX: Metals ☐ Pesticides ☐ Herbicides ☐	TCLP Metals ☐ VOA ☐ Semi VOA ☐	EPA Priority Pollutant Metals ☐ HSL ☐	LEAD 7420 ☐ 7421 ☐ 239.2 ☐ 6010 ☐ Org. Lead ☐	CAM Metals ☐ STLC ☐ TTLC	Corrosivity ☐ Flashpoint ☐ Reactivity ☐
B12-5		1A	1		X							X			7-1-91	10:20		X																			
B12-10		2A	1													10:30		X																			
B12-15		3A	1													10:40		X																			
B13-5		4A	1													11:50	HOLD																				
B13-10		5A	1													11:55	HOLD																				
B13-15		6A ~~4A~~	1													12:05		X																			
B14-5		7A ~~5A~~	1													12:35		X																			
B14-10		8A ~~6A~~	1													12:40		X																			
B14-15		9A ~~7A~~	1													12:55		X																			
B15-5		10A ~~8A~~	1													13:30		X																			
B15-10		11A ~~9A~~	1													13:45		X																			

LL 7-3-91

CUSTODY RECORD

Relinquished by:	Received by:	Received by Laboratory:	Way bill #
Relinquished by:	Received by:	Received by Laboratory:	
Relinquished by:	Received by:	Received by Laboratory:	
Date 7/2/91	Date 7/2/91	Date	
Time	Time 15:45	Time	

SPECIAL HANDLING

24 HOURS ☐
EXPEDITED 48 Hours ☐
SEVEN DAY ☐
OTHER _____ (#) BUSINESS DAYS
QA/QC CLP Level ☐ Blue Level ☐
FAX ☐

SPECIAL DETECTION LIMITS (Specify)
Texaco Contact: Ray Johnston

SPECIAL REPORTING REQUIREMENTS (Specify)

REMARKS: Hold all samples ~~last~~ until notification of analyses

T1-07-069

Lab Use Only
Storage Location
Lot #:
Work Order #:

GTEL ENVIRONMENTAL LABORATORIES, INC.

20000 Mariner Dr., Suite #300
Torrance, CA 90503
213-371-1044
800-727-GTEL

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST 76- 8727

Project Manager: Jon Parker
Phone #:
FAX #:
Address: GTI Bakersfield CA
Site location: Lebec, CA
Project Number:
Project Name: Texaco
I attest that the proper field sampling procedures were used during the collection of these samples.
Sampler Name (Print): Stephan A Bork

ANALYSIS REQUEST

Field Sample ID	Source of Sample	GTEL Lab # (Lab use only) 7-3-91 LL	# CONTAINERS	Matrix: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCl	HNO3	H2SO4	ICE	NONE	OTHER	Sampling: DATE	TIME	BTEX 602 ☐ 8020 ☐ with MTBE ☐	BTEX/TPH Gas 602/0015 ☐ 8020/0015 ☐ MTBE ☐	TPH as ☐ Gas ☐ Diesel ☐ Jet Fuel	Product I.D. by GC (SIMDIS) ☐	Total Oil & Grease: 413.1 ☐ 413.2 ☐ 503A ☐	Total Petroleum Hydrocarbons: 410.1 ☐ 503E ☐	EPA 601 ☐ 8010 ☐ DCA only ☐	EPA 602 ☐ 8020 ☐	EPA 608 ☐ 8080 ☐ PCBs only ☐	EPA 610 ☐ 8310 ☐	EPA 624 ☐ 8240 ☐ NBS +15 ☐	EPA 625 ☐ 8270 ☐ NBS +25 ☐	EPTOX: Metals ☐ Pesticides ☐ Herbicides ☐	TCLP Metals ☐ VOA ☐ Semi VOA ☐	EPA Priority Pollutant Metals ☐ HSI ☐	LEAD 7420 ☐ 7421 ☐ 239.2 ☐ 6010 ☐ Org. Lead ☐	CAM Metals ☐ STLC ☐ TTLC	Corrosivity ☐ Flashpoint ☐ Reactivity ☐
B15-15		12A ~~10A~~	1		X							X			7-1-91	13:55		X																		
B15-20		13A ~~11A~~	1													14:05		X																		
B16-10		14A	1													14:50	HOLD																			
B16-15		15A	1													15:00		X																		
B17-5		16A	1												7-2	8:40		X																		
B17-10		17A	1													8:45		X																		
B17-15		18A	1													8:55		X																		
B18-5		19A	1													9:15		X																		
B18-10		20A	1													9:20		X																		
B18-15		21A	1													9:30		X																		
B19-6		22A	1													10:30	HOLD																			

CUSTODY RECORD

Received by:	Received by:	Received by Laboratory:	Way bill #
Time 15:45	Time	Time	
Date 7/2/91	Date	Date	
Relinquished by Sampler: [signature]	Relinquished by:	Relinquished by:	

SPECIAL HANDLING

24 HOURS ☐
EXPEDITED 48 Hours ☐
SEVEN DAY ☐
OTHER _____(#) BUSINESS DAYS
CA/QC CLP Level ☐ Blue Level ☐
FAX ☐

SPECIAL DETECTION LIMITS (Specify)

SPECIAL REPORTING REQUIREMENTS (Specify)

REMARKS: Hold all samples until notification of analyses.

TT-07-069

Lab Use Only
Storage Location
Lot #:
Work Order #:

GTEL ENVIRONMENTAL LABORATORIES, INC.

20000 Mariner Dr., Suite #300
Torrance, CA 90503
213-371-1044
800-727-GTEL

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST 76- 8765

Project Manager: Jon Parker
Phone #: (805) 589 8601
FAX #:
Address: 4104 Alken Bak, CA 93308
Site location: Lebec, CA
Project Number: 022501378
Project Name: Texaco
I attest that the proper field sampling procedures were used during the collection of these samples.
Sampler Name (Print): Stephan A. Bork

ANALYSIS REQUEST

Field Sample ID	Source of Sample	GTEL Lab # (Lab use only)	# CONTAINERS	Matrix: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCl	HNO_3	H_2SO_4	ICE	NONE	OTHER	Sampling: DATE	TIME	BTEX 602 ☐ 8020 ☐ with MTBE ☐	BTEX/TPH Gas 602/8015 ☐ 8020/8015 ☒ MTBE ☐	TPH as ☐ Gas, ☐ Diesel ☐ Jet Fuel	Product I.D. by GC (SIMDIS) ☐	Total Oil & Grease: 413.1 ☐ 413.2 ☐ 503A ☐	Total Petroleum Hydrocarbons: 418.1 ☐ 503E ☐	EPA 601 ☐ 8010 ☐ DCA only ☐	EPA 602 ☐ 8020 ☐	EPA 608 ☐ 8080 ☐ PCBs only ☐	EPA 610 ☐ 8310 ☐	EPA 624 ☐ 8240 ☐ NBS +15 ☐	EPA 625 ☐ 8270 ☐ NBS +25 ☐	EPTOX: Metals ☐ Pesticides ☐ Herbicides ☐	TCLP Metals ☐ VOA ☐ Semi VOA ☐	EPA Priority Pollutant Metals ☐ HSL ☐	LEAD 7420 ☐ 7421 ☐ 239.2 ☐ 6010 ☐ Org. Lead ☐	CAM Metals ☐ STLC ☐ TTLC	Corrosivity ☐ Flashpoint ☐ Reactivity ☐
B19-10		23A	1		X							X			7-2-91	10:35	HOLD																			
B19-15		24A	1		X							X			"	10:40		X																		

SPECIAL HANDLING
24 HOURS ☐
EXPEDITED 48 Hours ☐
SEVEN DAY ☐
OTHER _____(#) BUSINESS DAYS
QA/QC CLP Level ☐ Blue Level ☐
FAX ☐

SPECIAL DETECTION LIMITS (Specify)

SPECIAL REPORTING REQUIREMENTS (Specify)

REMARKS: Hold all samples until notification of analyses.

TI-07-069

Lab Use Only Storage Location
Lot #: Work Order #:

CUSTODY RECORD

Received by:	Received by:	Received by Laboratory:	Way bill #
Date 7-2-91	Date	Date	
Time 15:45	Time	Time	
Relinquished by Sampler:	Relinquished by:	Relinquished by:	

Client number: GTI78.TEX03
Project ID: Texaco
Work Order Number: T1-07-439

Table 1

ANALYTICAL RESULTS
Hydrocarbon Screen in Soil
Modified EPA Method 8015[a]

GTEL Sample Number		1A			
Client Identification		B13-10			
Date Sampled		7/1/91			
Date Extracted		7/24/91			
Date Analyzed		7/26/91			
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
TPH as Gasoline	10	<10			
TPH as Mineral Spirits	10	<10			
TPH as Jet Fuel	10	<10			
TPH as Kerosene	10	<10			
TPH as Diesel	10	<10			
TPH as Lube Oil	10	<10			
Detection Limit Multiplier		1			
Percent Solids, %		92.8			

a. Test Methods for Evaluating Solid Waste,SW-846, Third Edition, Revision O, US EPA November 1986; Extraction by EPA Method 3550 (sonication); Modification per California State Water Resources Control Board LUFT Manual protocals, May 1988 revision.
b. Concentrations calculated on wet basis.

GTEL ENVIRONMENTAL LABORATORIES, INC.

GTEL ENVIRONMENTAL LABORATORIES, INC.

20000 Mariner Dr., Suite #300
Torrance, CA 90503

213-371-1044
800-727-GTEL

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

76- 1574

Project Manager: Jon Parker

Phone #: (805) 589-8601

FAX #: " " 8605

Address: 4104 Aiken, Ste B-1, Bak. CA 93308

Site location: Lebec, CA

Project Number: 022501378

Project Name: Texaco

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): Stephan A. Bork

ANALYSIS REQUEST

Field Sample ID	Source of Sample	GTEL Lab # (Lab use only)	# CONTAINERS	Matrix: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCl	HNO_3	H_2SO_4	ICE	NONE	OTHER	Sampling: DATE	TIME	BTEX 602 ☐ 8020 ☐ with MTBE ☐	BTEX/TPH Gas. 602/8015 ☐ 8020/8015 ☒ MTBE ☐	TPH as ☐ Gas ☐ Diesel ☐ Jet Fuel	Product I.D. by GC (SIMDIS) ☐	Total Oil & Grease: 413.1 ☐ 413.2 ☐ 503A ☐	Total Petroleum Hydrocarbons: 418.1 ☐ 503E ☐	EPA 601 ☐ 8010 ☐ DCA only ☐	EPA 602 ☐ 8020 ☐	EPA 608 ☐ 8080 ☐ PCBs only ☐	EPA 610 ☐ 8310 ☐	EPA 624 ☐ 8240 ☐ NBS +15 ☐	EPA 625 ☐ 8270 ☐ NBS +25 ☐	EPTOX: Metals ☐ Pesticides ☐ Herbicides ☐	TCLP Metals ☐ VOA ☐ Semi VOA ☐	EPA Priority Pollutant Metals ☐ HSL ☐	LEAD 7420 ☐ 7421 ☐ 239.2 ☐ 6010 ☐ Org. Lead ☐	CAM Metals ☐ STLC ☐ TTLC	Corrosivity ☐ Flashpoint ☐ Reactivity ☐	Hydrocarbon Screen (8015)		
B12-5			1		X							X			7-1-91	10:20		X																			
B12-10			1													10:30		X																			
B12-15			1													10:40		X																			
B13-5			1													11:50	HOLD																				
B13-10			1													11:55	~~HOLD~~																		X		
B13-15			1													12:05		X																			
B14-5			1													12:35		X																			
B14-10			1													12:40		X																			
B14-15			1													12:55		X																			
B15-5			1													13:30		X																			
B15-10			1													13:45		X																			

CUSTODY RECORD

Received by:	Received by:	Received by Laboratory:	Way bill #
Time 15:45	Time	Time	
Date 7/2/91	Date	Date	
Relinquished by Sampler:	Relinquished by:	Relinquished by:	

SPECIAL HANDLING

24 HOURS ☐
EXPEDITED 48 Hours ☐
SEVEN DAY ☐
OTHER _____(#) BUSINESS DAYS
QA/QC CLP Level ☐ Blue Level ☐
FAX ☐

SPECIAL DETECTION LIMITS (Specify)

SPECIAL REPORTING REQUIREMENTS (Specify)

REMARKS: Hold all samples ~~[illegible]~~ until notification of analyses.

Lab Use Only

Storage Location

Lot #:

Work Order #:

APPENDIX C
LEACHING POTENTIAL AND RISK APPRAISAL

GROUNDWATER TECHNOLOGY

Table C1. LEACHING POTENTIAL ANALYSES FOR GASOLINE*
USING TOTAL PETROLEUM HYDROCARBONS (TPH)
AND BENZENE, TOLUENE, XYLENES, AND ETHYLBENZENE (BTX&E)

SITE FEATURE	SCORE	SCORE 10 PTS IF CONDITION IS MET	SCORE	SCORE 9 PTS IF CONDITION IS MET	SCORE	SCORE 5 PTS IF CONDITION IS MET
Minimum depth to groundwater from the soil sample (feet).	10	>100		51–100		25–50\1
Fractures in subsurface (applies to foothills or mountain areas).	10	None		Unknown		Present
Average annual precipitation (inches).	10	<10		10–25		26–40\2
Man-made conduits which increase vertical migration of leachate.	10	None		Unknown		Present
Unique site features: recharge area, coarse soil, nearby wells, etc.		None	9	At least one		More than one
COLUMN TOTALS – TOTAL PTS	40	+	9	+	0	49
RANGE OF TOTAL POINTS	49 Pts or more		41–48 pts		40 pts or less	
MAXIMUM ALLOWABLE B/T/X/E/ LEVELS (PPM)	1/50/50/50		.3/.3/1/1		NA\3	
MAXIMUM ALLOWABLE TPH LEVELS (PPM)	1,000		100		10	

\1 – If depth is greater than 5 ft. but less than 25 ft., score 0 points.
If depth is 5 ft. or less, this table should not be used.
\2 – If depth is over 40 inches, score 0 points.
\3 – Levels for BTX&E are not applicable to TPH concentration of 100 ppm.
* – Table from page 28, Table 2–1, LUFT Manual, 1988

Checklist for applicability of general risk appraisal:

CONTAMINATED SOIL RISK APPRAISAL FOR PROTECTION OF GROUND WATER

Answer the following questions "yes", "no" or "unknown" (Y/N/U).

1. Is the site in a mountainous area? (shaded moist areas and/or areas with rocky subsurface conditions)..... N
2. Is the site in an area that could collect surface runoff or intercept water from a source other than precipitation?.... N
3. Does the areal extent of soil contamination exceed 100 m^2? N
4. Do any soil sample concentrations exceed 100ppm for benzene 80ppm for toluene, or 40ppm for xylene or ethylbenzene?.... N
5. Are there records or evidence of subsurface objects which could provide a conduit for vertical migration of leachate? N
6. Do borings or excavations show fractures, joints or faults that could be a conduit for vertical migration of leachate? N
7. Do any boring logs show that contaminated soil could be within 5 ft. of highest ground water?..... N
8. Do any borings reveal a layer of material, 5 ft. thick or more, which is more than 75% sand and/or gravel?..... N

Source: State Water Resources Control Board, "Risk-On-A-Disk".

Table C2 - General risk appraisal.

BENZENE SOIL CONTAMINATION RISK APPRAISAL FOR PROTECTION OF GROUND WATER
Press the escape key (or make a blank entry) for the options menu

10 ...AVERAGE ANNUAL PRECIPITATION (INCHES)
100 ...DISTANCE FROM SURFACE TO GROUND WATER (FEET)
2 ...NUMBER OF SAMPLES (UP TO 32 SAMPLES AT INTERVALS OF 1-6 FT)

MEASURED CONCENTRATIONS			OPTIONS		CUMULATIVE CONTAMINATION			
			--A--or---B---					
SAMPLE #	DEPTH FEET	BENZENE ppm	REMOVE LAYER	CLEANUP TO:	W/O OPTION	WITH A	WITH B	ACCEPTABLE LEVEL
B14-5	5	0.059	NO	100.0	0.1	0.1	100.0	1000
B14-10	10	0.05 *	NO	100.0	0.1	0.1	200.0	1000

TOLUENE SOIL CONTAMINATION RISK APPRAISAL FOR PROTECTION OF GROUND WATER
Press the escape key (or make a blank entry) for the options menu

10 ...AVERAGE ANNUAL PRECIPITATION (INCHES)
100 ...DISTANCE FROM SURFACE TO GROUND WATER (FEET)
3 ...NUMBER OF SAMPLES (UP TO 32 SAMPLES AT INTERVALS OF 1-6 FT)

MEASURED CONCENTRATIONS			OPTIONS		CUMULATIVE CONTAMINATION			
			--A--or---B---					
SAMPLE #	DEPTH FEET	TOLUENE ppm	REMOVE LAYER	CLEANUP TO:	W/O OPTION	WITH A	WITH B	ACCEPTABLE LEVEL
B9-5	5	0.36	NO	80.0	0.4	0.4	80.0	1000
B9-10	10	0.38	NO	80.0	0.7	0.7	160.0	1000
B15-15	15	0.05	NO	80.0	0.8	0.8	240.0	1000

ETHYL-B SOIL CONTAMINATION RISK APPRAISAL FOR PROTECTION OF GROUND WATER
Press the escape key (or make a blank entry) for the options menu

10 ...AVERAGE ANNUAL PRECIPITATION (INCHES)
100 ...DISTANCE FROM SURFACE TO GROUND WATER (FEET)
3 ...NUMBER OF SAMPLES (UP TO 32 SAMPLES AT INTERVALS OF 1-6 FT)

MEASURED CONCENTRATIONS			OPTIONS		CUMULATIVE CONTAMINATION			
			--A--or---B---					
SAMPLE #	DEPTH FEET	ETHYL-B ppm	REMOVE LAYER	CLEANUP TO:	W/O OPTION	WITH A	WITH B	ACCEPTABLE LEVEL
B9-5	5	1	NO	40.0	1.0	1.0	40.0	1000
B9-15	10	1.2	NO	40.0	2.2	2.2	80.0	1000
B9-10	15	1.2	NO	40.0	3.4	3.4	120.0	1000

XYLENE SOIL CONTAMINATION RISK APPRAISAL FOR PROTECTION OF GROUND WATER
Press the escape key (or make a blank entry) for the options menu

10 ...AVERAGE ANNUAL PRECIPITATION (INCHES)
100 ...DISTANCE FROM SURFACE TO GROUND WATER (FEET)
3 ...NUMBER OF SAMPLES (UP TO 32 SAMPLES AT INTERVALS OF 1-6 FT)

MEASURED CONCENTRATIONS			OPTIONS		CUMULATIVE CONTAMINATION			
			--A--or---B---					
SAMPLE #	DEPTH FEET	XYLENE ppm	REMOVE LAYER	CLEANUP TO:	W/O OPTION	WITH A	WITH B	ACCEPTABLE LEVEL
B9-5	5	7.8	NO	40.0	7.8	7.8	40.0	1000
B9-10	10	10	NO	40.0	17.8	17.8	80.0	1000
B9-15	15	9.1	NO	40.0	26.9	26.9	120.0	1000

* Value chosen due to elevated detection limit.

Source: State Water Resources Control Board, "Risk-On-A-Disk".

PREPARED FOR:

MR. RAY JOHNSTON
TEXACO REFINING & MARKETING, INC.
10 UNIVERSAL CITY PLAZA
UNIVERSAL CITY, CALIFORNIA 91608
(818) 505-2139

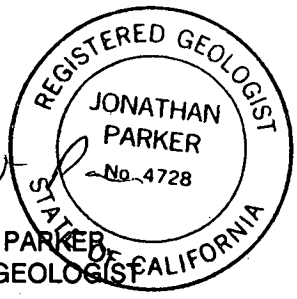
SITE CHARACTERIZATION WORK PLAN
TEXACO RETAIL FACILITY
9069 GRAPEVINE ROAD WEST
LEBEC, CALIFORNIA

JUNE 26, 1991

PREPARED BY:

GROUNDWATER TECHNOLOGY, INC.
4101 ALKEN STREET, SUITE B-1
BAKERSFIELD, CALIFORNIA 93308
(805) 589-8601

WRITTEN BY:



JONATHAN D. PARKER
REGISTERED GEOLOGIST
NO. 4728

REVIEWED BY:

STEPHAN A. BORK
PROJECT GEOLOGIST

GROUNDWATER TECHNOLOGY

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APPENDIX B - SITE SAFETY PLAN

INTRODUCTION

Groundwater Technology, Inc. has been contracted by Texaco Environmental Services to provide environmental consulting for an assessment of subsurface conditions at their retail facility in Grapevine. The purpose of the investigation is to determine the lateral and vertical extent of hydrocarbons in soil beneath the facility prior to undertaking major reconstruction activities. This workplan outlines site background, proposed assessment procedures and sampling protocol, and worker safety considerations.

SITE BACKGROUND

The facility was first constructed in 1961 and dispensed fuel from four 4,000-gallon steel tanks. The steel tanks were replaced with larger double-walled fiberglass tanks in 1985 (Figure 2). The dispenser islands were also relocated and enlarged at that time. No data is presently available regarding soil sampling conducted during tank replacement.

In May, 1991 Groundwater Technology completed 11 soil borings at the locations shown in Figure 2 as part of an initial assessment. Soil samples were collected at 5-foot depth intervals with a split-spoon sampler lined with brass sample rings. Select soil samples from some of the borings were submitted for laboratory analysis. All submitted samples were analyzed for concentrations of benzene, toluene, ethylbenzene, total xylenes (BTEX) and total petroleum hydrocarbons as gasoline (TPHG) using EPA methods 8020/8015. A soil sample collected adjacent to the existing used-oil tank was also analyzed for total petroleum hydrocarbons using EPA method 418.1.

Analytical results for soil samples collected during this investigation are presented in Table 1. Gasoline hydrocarbons were detected in three of the borings drilled at the site. Two of these borings were slant drilled under the eastern ends of the islands (B4 and B9) and one was drilled at the location of the original steel tanks (B8). Concentrations of all analytes in all other samples submitted from the remaining borings were below detection limits. Analytical results from this investigation are summarized in Figure 2. Laboratory reports and chain-of-custody documents are presented in Appendix A.

SITE CHARACTERISTICS

GEOGRAPHY

The site is located at the base of the San Emigdio Range at the southern end of the San Joaquin Valley. Topography in the region slopes gently to the north away from the steep slopes of the San Emigdios. A tributary of Grapevine Creek, which only flows intermittently, is present 300 feet southeast of the site. The California Aqueduct is present approximately 2 miles north of the property.

Table 1. Analytical results for soil in mg/kg.

Sample #	Benzene	Toluene	Ethylbenzene	Xylenes	TPH as gasoline
B1-5	<0.005	<0.005	<0.005	<0.015	<10
B1-10	<0.005	<0.005	<0.005	<0.015	<10
B1-15	<0.005	<0.005	<0.005	<0.015	<10
B1-20	<0.005	<0.005	<0.005	<0.015	<10
B2-10	<0.005	<0.005	<0.005	<0.015	<10
B4-5	<0.005	<0.005	<0.005	<0.015	<10
B4-10	<0.005	<0.005	<0.005	<0.015	82*
B4-15	<0.005	<0.005	<0.005	<0.015	<10
B4-20	<0.005	<0.005	<0.005	<0.015	<10
B5-10	<0.005	<0.005	<0.005	<0.015	<10
B7-10	<0.005	<0.005	<0.005	<0.015	<10
B8-5	<0.005	<0.005	<0.005	<0.015	<10
B8-10	<0.005	<0.005	<0.005	<0.015	<10
B8-16	<0.005	<0.005	<0.005	<0.015	<10
B9-5	<0.05	0.36	1.0	7.8	200
B9-10	<0.05	0.38	1.2	10	560
B9-15	<0.05	<0.05	1.2	9.1	490
B9-25	<0.005	<0.005	<0.005	<0.015	<10
B10-5	<0.005	<0.005	<0.005	<0.015	<10
B11-5	<0.005	<0.005	<0.005	<0.015	<10

* The chromatogram suggests the presence of a heavier hydrocarbon than gasoline.

HYDROGEOLOGY

The site overlies alluvial-fan sediments deposited from intermittent creeks which originate in the San Emigdio Range. Sediments underlying the region consist of fluvial deposits including silt, sand and gravel. Sediments encountered during drilling activities at the site consist primarily of medium- to coarse-grained sand.

Data from groundwater wells present approximately 2 miles north of the site indicate the presence of an unconfined aquifer at a depth of approximately 1,000 feet (Kern Water Agency, 1990). No data regarding this aquifer is available in the immediate vicinity of the site.

PROPOSED SITE ASSESSMENT

BORINGS

Groundwater Technology will drill seven borings at the locations shown in Figure 4. The borings will be drilled to an approximate depth of 15 feet near the existing dispensers to define the vertical and horizontal extent of possible impaction. If hydrocarbons persist below 15 feet and if drilling conditions permit, borings will be deepened until 10 feet of uncontaminated soil is penetrated. No drilling fluids will be used during boring completion. The borings will be back-filled with sand-cement grout upon completion of work.

SAMPLING

The borings will be sampled every 5 feet with a split-spoon sampler. The sampler will be fitted with brass sample rings. The material from one sample ring will be described and field screened with a photoionization detector (PID) for volatile organic content. A second ring will be sealed at each end with a teflon sheet and plastic cap. The cap will be secured with polyethylene tape and the sample will be preserved on ice. As requested by Texaco, select samples will be analyzed by a state-certified laboratory as described in the next section.

Between sampling events, equipment will be cleaned using a three-bucket wash system. In this system, the rings and samplers are scrubbed with a brush in a bucket of detergent, rinsed in a second bucket of tap water and given a final rinse in a bucket of distilled water.

LABORATORY ANALYSIS

The soil samples selected for analysis will be shipped via overnight courier to GTEL Environmental Laboratories in Torrance, California (Cert. #723). The samples will be analyzed for TPHG and BTEX using EPA method 8015/8020. Detection limits for these analyses will be 10 mg/kg for TPHG, 0.005 mg/kg for BTE, and 0.015 mg/kg for total xylenes. Standard chain-of-custody procedures will be followed.

WASTE MANAGEMENT

The drill cuttings from the borings will be stored on site in appropriately labelled drums pending the results of the analysis of cuttings samples. If contamination is encountered, drilling augers will be steam-cleaned upon completion of drilling activities. The rinsate from cleaning will be collected in appropriately labelled 55-gallon drums and disposed of by Texaco. Dependant on the concentrations of hydrocarbons in the drill

cuttings, and with County approval, Texaco will either passively aerate the cuttings on site until clean or dispose of them in an appropriate landfill.

WORK SCHEDULE

Immediately following approval of the proposed plan by Texaco a licensed drilling company will be scheduled to perform the necessary drilling. The drilling is anticipated to require 2 days. Kern County Environmental Health Services and Underground Service Alert will be notified at least 48 hours prior to commencement of work. Laboratory analyses will require approximately 15 days following submission of the samples to the laboratory.

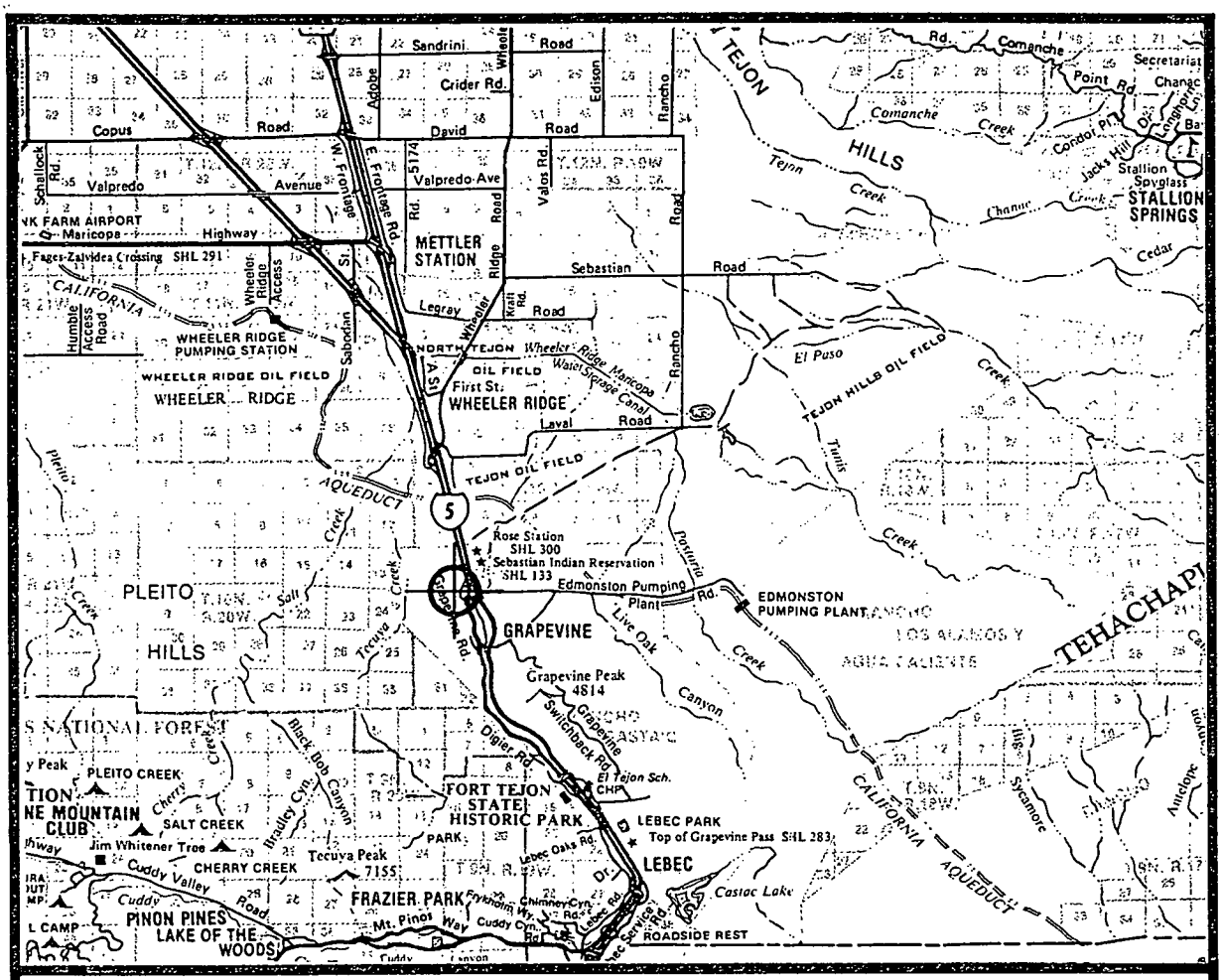
REFERENCES

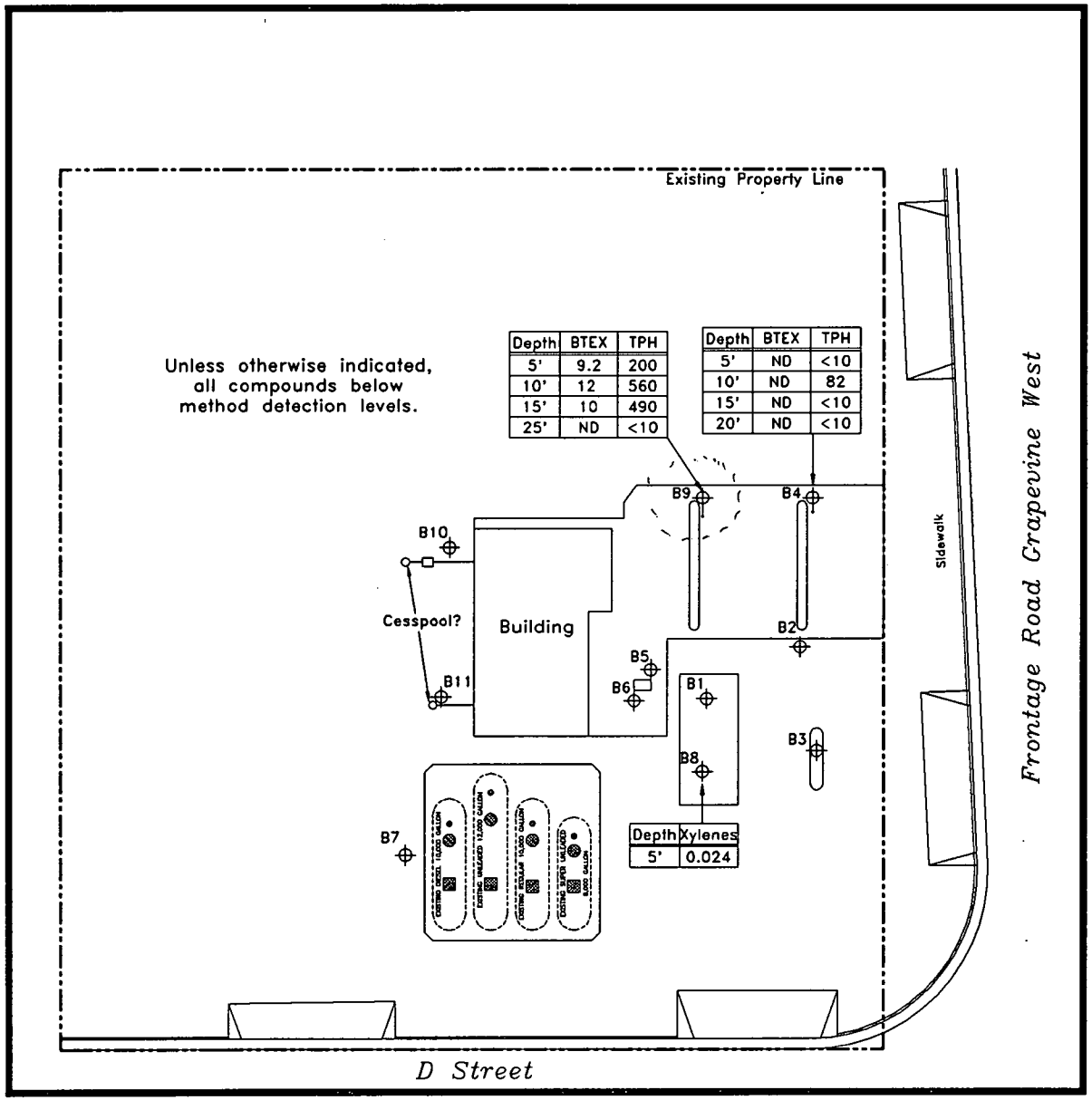
California Division of Mines and Geology, 1975, Geologic Map of California, Bakersfield sheet.

Kern County Water Agency, 1990a, 1989 Report on Water Conditions - improvement district no. 4.

Kern County Water Agency, 1990b, Water Supply Report - 1989.

FIGURES


Site
N
SCALE:
4 0 2 4
miles
Source: Hoven & Co.
SITE: Grapevine Texaco
JOB #02250 1378
SITE LOC: 9069 Grapevine Road Lebec, California
MAP TYPE: Location Index
DRAWN BY: JDP
DATE: 6/91
APPROVED BY: JDP
DATE: 6/91
REV
REVISION
DATE
BY
FIGURE 1
GROUNDWATER TECHNOLOGY, INC.



LEGEND

N

B10 Boring Location

SCALE:

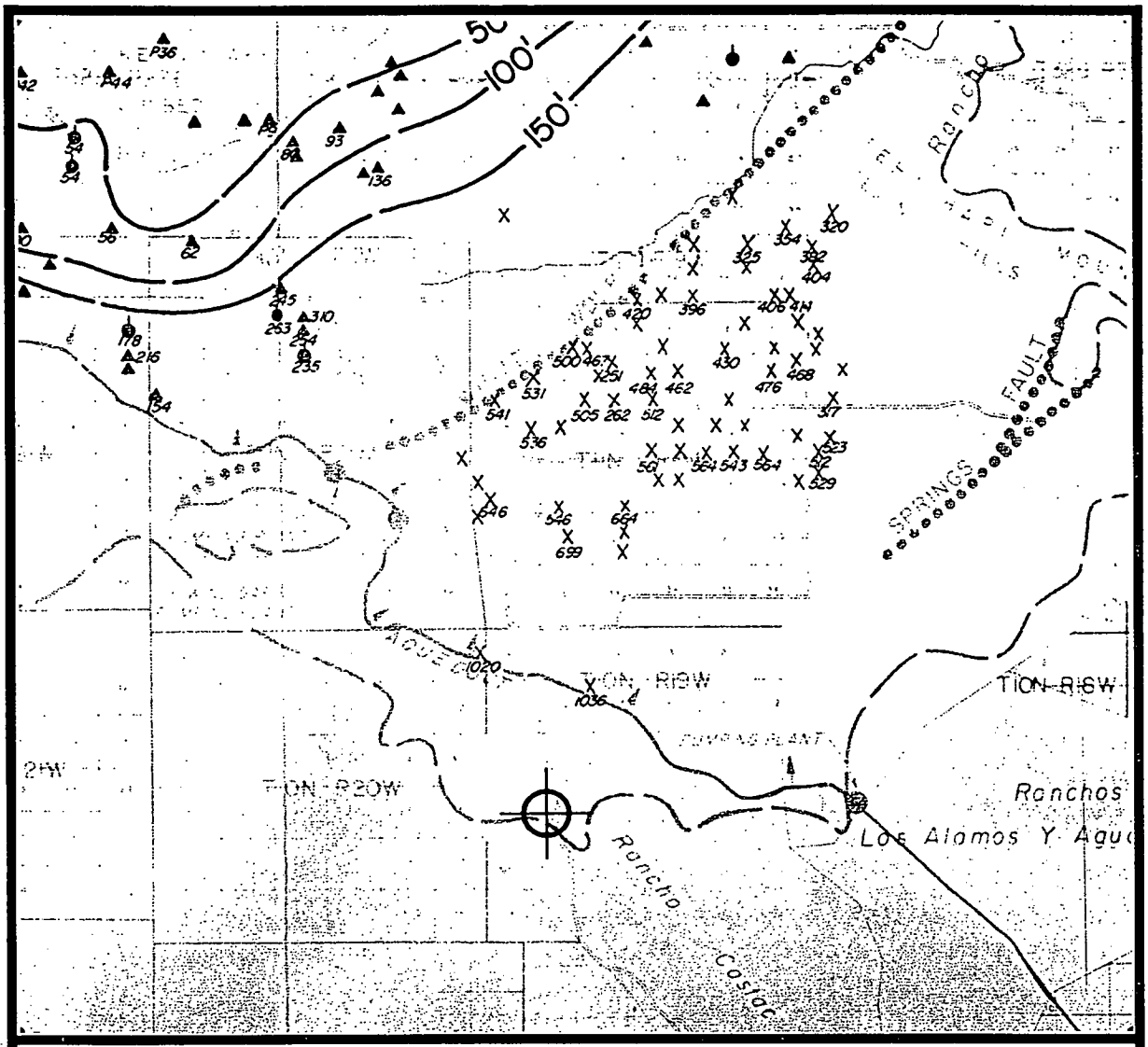
60' 0 30' 60'

SITE: Grapevine Texaco			JOB #02250 1378
SITE LOC: Lebec, California			
MAP TYPE: Site Map			
DRAWN BY: JDP	DATE: 6/91	APPROVED BY: JDP	DATE: 6/91

REV	REVISION	DATE	BY

FIGURE 2

GROUNDWATER TECHNOLOGY



Site

Legend

170' Depth to Groundwater

N

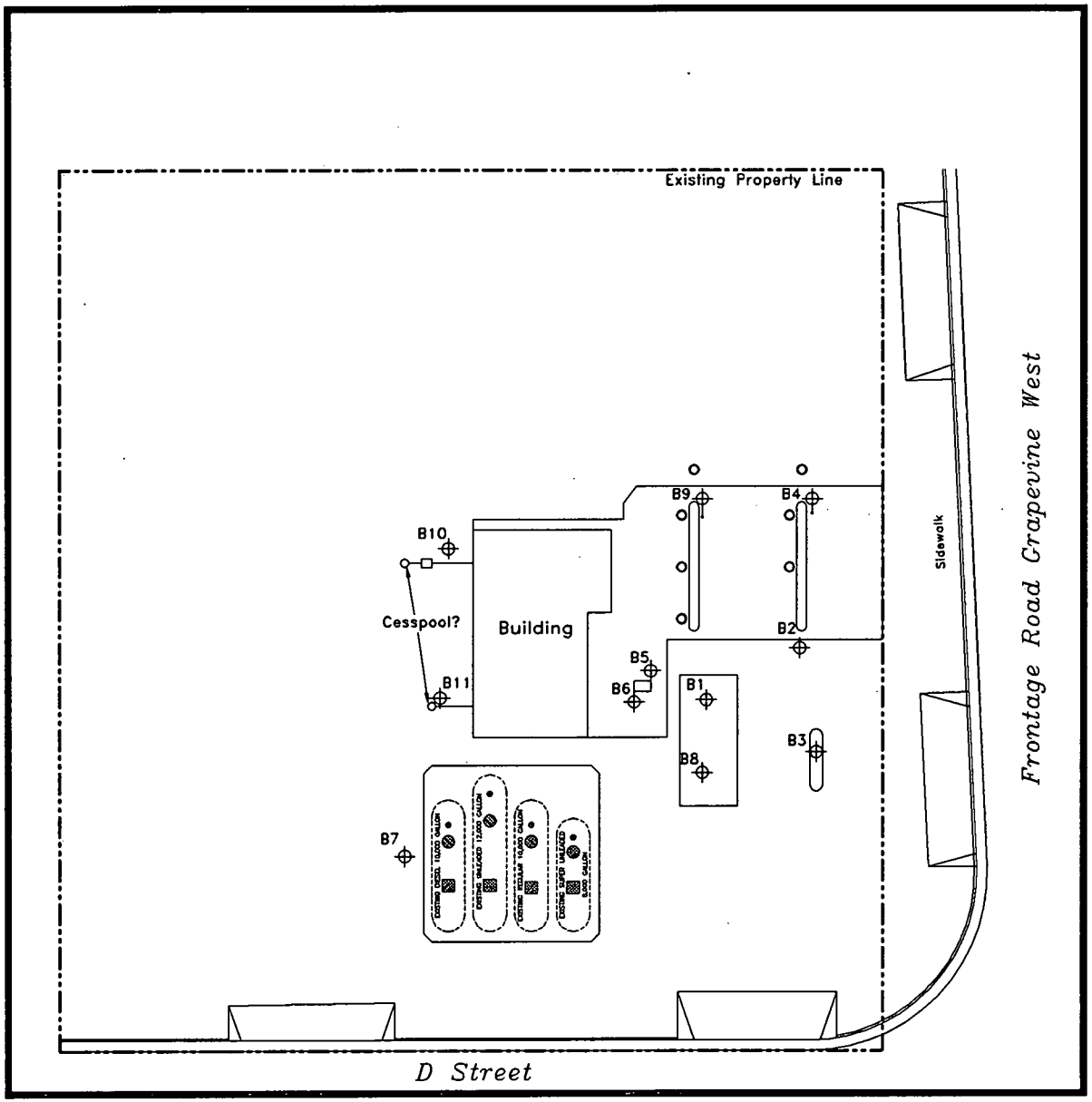
SCALE:

4 0 2 4

mile

Source: K.C.W.A. Report, 1990

SITE: Grapevine Texaco			JOB #02250 1378
SITE LOC: Lebec, California			
MAP TYPE: Depth to Groundwater			
DRAWN BY: JDP	DATE: 6/91	APPROVED BY: SAB	DATE: 6/91
FIGURE 3		GROUNDWATER TECHNOLOGY	



LEGEND

N

B10 Boring Location

Proposed Boring

SCALE:

60' 0 30' 60'

SITE: Grapevine Texaco			JOB #02250 1378
SITE LOC: Lebec, California			
MAP TYPE: Proposed Borings			
DRAWN BY: JDP	DATE: 6/91	APPROVED BY: JDP	DATE: 6/91

REV	REVISION	DATE	BY

FIGURE 4

GROUNDWATER TECHNOLOGY

APPENDIX A
LABORATORY REPORTS

RECEIVED JUN 17 1991

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(213) 371-1044
(800) 727-GTEL
Fax (213) 371-8720

Client Number: 022501378
Project ID: Texaco Grape-vine
Work Order Number: T1-05-476

June 13, 1991

Mr. Jon Parker
Groundwater Technology, Inc.
4101 Alken Street, Suite B-1
Bakersfield, Ca. 93308

Dear Mr. Parker,

This report replaces the original report issued on June 6, 1991 due to a typographical error.
Enclosed please find the analytical results report prepared by GTEL for samples received on 05/23/91, under chain of custody number 76-10745,10746,10747 & 10749.

GTEL is certified by the California State Department of Health Services to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

A formal quality control/quality assurance program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project was performed in strict adherence to our QA/QC program to ensure sample integrity and to meet quality control criteria.

If you have any question concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Rebecca Hsu Chou PH

Rebecca Hsu-Chou,Ph.D.
Laboratory Director

Client Number: 022501378
Project ID: Texaco Grape-vine
Work Order Number: T1-05-476

Table 1

ANALYTICAL RESULTS

Aromatic Volatile Organics and Total Petroleum Hydrocarbons as Gasoline in Soil

EPA Methods 5030, 8020, and Modified 8015[a]

GTEL Sample Number		01	02	03	04
Client Identification		B1-5	B1-10	B1-15	B1-20
Date Sampled		05/21/91	05/21/91	05/21/91	05/21/91
Date Extracted		05/30/91	05/30/91	05/30/91	05/30/91
Date Analyzed		06/02/91	06/02/91	06/02/91	06/02/91
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	0.005	<0.005	<0.005	<0.005	<0.005
Xylene, total	0.015	<0.015	<0.015	<0.015	<0.015
BTEX, total	--	--	--	--	--
TPH as Gasoline	10	<10	<10	<10	<10
Detection Limit Multiplier		1	1	1	1
Percent Solids, %		88.0	89.0	87.2	87.6

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision.
b. Concentrations calculated on wet basis.

Table 1 (Continued)

ANALYTICAL RESULTS

Aromatic Volatile Organics and
Total Petroleum Hydrocarbons as Gasoline in Soil

EPA Methods 5030, 8020, and Modified 8015[a]

GTEL Sample Number		05	06	07	08
Client Identification		B2-10	B5-10	B4-5	B4-10
Date Sampled		05/21/91	05/21/91	05/21/91	05/21/91
Date Extracted		05/30/91	05/30/91	05/30/91	05/30/91
Date Analyzed		06/02/91	06/02/91	06/02/91	06/03/91
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	0.005	<0.005	<0.005	<0.005	<0.005
Xylene, total	0.015	<0.015	<0.015	<0.015	<0.015
BTEX, total	--	--	--	--	--
TPH as Gasoline	10	<10	<10	<10	82*
Detection Limit Multiplier		1	1	1	10
Percent Solids, %		90.8	88.2	85.4	87.5

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision.
b. Concentrations calculated on wet basis.
*. The Chromatogram suggest the presense of heavier hydrocarbon than gasoline.

Table 1 (Continued)

ANALYTICAL RESULTS

Aromatic Volatile Organics and Total Petroleum Hydrocarbons as Gasoline in Soil

EPA Methods 5030, 8020, and Modified 8015[a]

GTEL Sample Number		09	10	11	12
Client Identification		B4-15	B4-20	B10-5	B11-5
Date Sampled		05/21/91	05/21/91	05/21/91	05/22/91
Date Extracted		05/30/91	05/30/91	05/30/91	05/30/91
Date Analyzed		06/02/91	06/02/91	06/02/91	06/02/91
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	0.005	<0.005	<0.005	<0.005	<0.005
Xylene, total	0.015	<0.015	<0.015	<0.015	<0.015
BTEX, total	--	--	--	--	--
TPH as Gasoline	10	<10	<10	<10	<10
Detection Limit Multiplier		1	1	1	1
Percent Solids, %		90.0	89.0	88.6	88.4

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision.
b. Concentrations calculated on wet basis.

Table 1 (Continued)

ANALYTICAL RESULTS

Aromatic Volatile Organics and
Total Petroleum Hydrocarbons as Gasoline in Soil

EPA Methods 5030, 8020, and Modified 8015[a]

GTEL Sample Number		13	14	15	16
Client Identification		B7-10	B8-5	B8-10	B8-16
Date Sampled		05/22/91	05/22/91	05/22/91	05/22/91
Date Extracted		05/30/91	05/30/91	05/30/91	05/30/91
Date Analyzed		06/03/91	06/03/91	06/03/91	06/03/91
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	0.005	<0.005	<0.005	<0.005	<0.005
Xylene, total	0.015	<0.015	0.024	<0.015	<0.015
BTEX, total	--	--	0.024	--	--
TPH as Gasoline	10	<10	<10	<10	<10
Detection Limit Multiplier		1	1	1	1
Percent Solids, %		88.0	87.2	90.0	89.6

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision.
b. Concentrations calculated on wet basis.

Client Number: 022501378
Project ID: Texaco Grapevine
Work Order Number: T1-05-476

Table 1 (Continued)

ANALYTICAL RESULTS

Aromatic Volatile Organics and
Total Petroleum Hydrocarbons as Gasoline in Soil

EPA Methods 5030, 8020, and Modified 8015[a]

GTEL Sample Number		17**	18**	19**	20
Client Identification		B9-5	B9-10	B9-15	B9-25
Date Sampled		05/22/91	05/22/91	05/22/91	05/22/91
Date Extracted		05/30/91	05/30/91	05/30/91	05/30/91
Date Analyzed		06/03/91	06/03/91	06/03/91	06/03/91
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	<.05	<0.05	<0.05	<0.005
Toluene	0.005	0.36	0.38	<0.05	<0.005
Ethylbenzene	0.005	1.0	1.2	1.2	<0.005
Xylene, total	0.015	7.8	10	9.1	<0.015
BTEX, total	--	9.2	12	10	--
TPH as Gasoline	10	200	560	490	<10
Detection Limit Multiplier		10	10	10	1
Percent Solids, %		85.8	86.2	86.8	87.2

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision.
b. Concentrations calculated on wet basis.
** Detection limit raised due to dilution.

Client Number: 022501378
Project ID: Texaco Grape-vine
Work Order Number: T1-05-476

Table 2

ANALYTICAL RESULTS

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM 503E/EPA 418.1

Sample Identification		Date Sampled	Date Extracted	Date Analyzed	Concentration, mg/Kg[a]	Percent Solids, %
GTEL No.	Client ID					
1A	B5-10	5/22/91	6/4/91	6/4/91	<5	88.2

a. Method detection limit = 5 mg/Kg; analyte below this level would not be detected. Concentrations calculated on wet basis.

GTEL ENVIRONMENTAL LABORATORIES, INC.

GTEL ENVIRONMENTAL LABORATORIES, INC.

20000 Mariner Dr., Suite #300
Torrance, CA 90503

213-371-1044
800-727-GTEL

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST 76-10745

Project Manager: DON PACKER

Phone #: 805-525-8601

FAX #:

Address:

Site location: 2061 Grapevine Rd. Lebec, CA

Project Number: 02250137B

Project Name: Tejon Grapevine

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): JOHN PENNER

Field Sample ID	Source of Sample	GTEL Lab # (Lab use only)	# CONTAINERS	Matrix: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCl	HNO_3	H_2SO_4	ICE	NONE	OTHER	Sampling: DATE	TIME
B1-5'		1A	1		X							X			5/21	0950
B1-10		2A	1		X							X			5/21	0940
B1-15'		3A	1		X							X			5/21	0958
B1-20		4A	1		X							X			5/21	1015
B2-5'		1A	1		X							X			5/21	1052
B2-10		5A	1		X							X			5/21	1115
B2-15		2A	1		X							X			5/21	1140
B2-20		3A	1		X							X			5/21	1230

ANALYSIS REQUEST

	BTEX 602 ☐ 8020 ☐ with MTBE ☐	BTEX/TPH Gas. 602/8015 ☐ 8020/8015 ☐ MTBE ☐	TPH as ☐ Gas ☐ Diesel ☐ Jet Fuel	Product I.D. by GC (SIMDIS) ☐	Total Oil & Grease: 413.1 ☐ 413.2 ☐ 503A ☐	Total Petroleum Hydrocarbons: 418.1 ☐ 503E ☐	EPA 601 ☐ 8010 ☐ DCA only ☐	EPA 602 ☐ 8020 ☐	EPA 608 ☐ 8080 ☐ PCBs only ☐	EPA 610 ☐ 8310 ☐	EPA 624 ☐ 8240 ☐ NBS +15 ☐	EPA 625 ☐ 8270 ☐ NBS +25 ☐	EPTOX: Metals ☐ Pesticides ☐ Herbicides ☐	TCLP Metals ☐ VOA ☐ Semi VOA ☐	EPA Priority Pollutant Metals ☐ HSL ☐	LEAD 7420 ☐ 7421 ☐ 239.2 ☐ 6010 ☐ Org. Lead ☐	CAM Metals ☐ STLC ☐ TTLC	Corrosivity ☐ Flashpoint ☐ Reactivity ☐	
B1-5'	X																		
B1-10	X																		
B1-15'	X																		
B1-20	X																		
B2-5'	(X)			Cancel → Hold SAMPLE															
B2-10	X																		
B2-15				Hold															
B2-20	(X)			Cancel → Hold SAMPLE															

CUSTODY RECORD

Received by: — Date — Time

Received by: — Date — Time

Received by Laboratory: — Date 5-23-91 — Time 9:00

Relinquished by Sampler: — Date — Time

Relinquished by: — Date — Time

Relinquished by: — Date — Time

SPECIAL HANDLING

24 HOURS ☐

EXPEDITED 48 Hours ☐

SEVEN DAY ☐

OTHER 10 (#) BUSINESS DAYS

QA/QC CLP Level ☐ Blue Level ☐

FAX ☐

SPECIAL DETECTION LIMITS (Specify)

SPECIAL REPORTING REQUIREMENTS (Specify)

REMARKS:

T1-05-476
T1-05-477
T1-05-478

Lab Use Only — Storage Location

Lot #: — Work Order #:

Send results to: [illegible] 5-24-91 @ 9:20 AM

Wet bill

FROM:GTEL/BAKERSFIELD 05-24-1990 09:22 NO.5 P.2

GTEL ENVIRONMENTAL LABORATORIES, INC.

20000 Mariner Dr., Suite #300, Torrance, CA 90503 — 213-371-1044, 800-727-GTEL

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST 76-10746

Project Manager: John Baker — Phone #: 805-589-8607 — FAX #: 805-589-7820

Address: 410 Aliso St. # 31 — Site location: 206 Grapevine Lebec, CA

Project Number: 022501378 — Project Name: Texaco Grapevine

I attest that the proper field sampling procedures were used during the collection of these samples. — Sampler Name (Print): JOHN WINKLER

Field Sample ID	Source of Sample	GTEL Lab # (Lab use only)	# CONTAINERS	Matrix: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCl	HNO3	H2SO4	ICE	NONE	OTHER	Sampling: DATE	TIME
B3-5'		4A	1		X							X			5/21	
B3-10'		5A	1		X							X			5/21	
B3-15'		6A	1		X							X			5/21	
B3-20'		7A	1		X							X			5/21	
B4																
B5-5'		8A	1		X							X			5/21	
B5-10'		6A/1A	1		X							X			5/21	
B5-15'		9A	1		X							X			5/21	
B6																

Analysis Requested: BTEX 002 ☐ 8020 ☐ with MTBE ☐ — BTEX/TPH Gas 602/8015 ☐ 8020/8015 ☐ MTBE ☐ — TPH 35 ☐ Gas ☐ Diesel ☐ Jet Fuel — Product I.D. by GC (SIMDIS) ☐ — Total Oil & Grease 413.1 ☐ 413.2 ☐ 503A ☐ — Total Petroleum Hydrocarbons 418.1 ☒ 503E ☐ — EPA 601 ☐ 8010 ☐ DCA only ☐ — EPA 602 ☐ 8020 ☐ — EPA 600 ☐ 8000 ☐ PCBs only ☐ — EPA 610 ☐ 8310 ☐ — EPA 624 ☐ 8240 ☐ NBS +15 ☐ — EPA 625 ☐ 8270 ☐ NBS +25 ☐ — EPTOX Metals ☐ Pesticides ☐ Herbicides ☐ — TCLP Metals ☐ VOA ☐ Semi VOA ☐ — EPA Priority Pollutant Metals ☐ HSL ☐ — LEAD 7420 ☐ 7421 ☐ 239.2 ☐ 6010 ☐ Org. Lead ☐ — CAM Metals ☐ STLC ☐ TTLC — Corrosivity ☐ Flashpoint ☐ Reactivity ☐

B3-5' (X) — Cancel → Hold

B3-10' (X) — Cancel → Hold

B3-15' — TTLC

B3-20' (X) — Cancel → Hold

B5-5' — TTLC

B5-10' X

B5-15' (X) — Cancel → Hold

SPECIAL HANDLING

24 HOURS ☐

EXPEDITED 48 Hours ☐

SEVEN DAY ☐

OTHER 10 (#) BUSINESS DAYS

QA/QC CLP Level ☐ Blue Level ☐

FAX ☐

SPECIAL DETECTION LIMITS (Specify)

SPECIAL REPORTING REQUIREMENTS (Specify)

REMARKS: T1-05-476
T1-05-477
T1-05-478

Lab Use Only — Storage Location — Lot #: — Work Order #:

CUSTODY RECORD

Received by: — Date — Time

Received by: — Date — Time

Received by Laboratory — Date 5/23/91 — Time 1300 — Way Bill #

Relinquished by Sampler — Date 5/21/91 — Time 1700

Relinquished by: — Date — Time

Relinquished by: — Date — Time

Received by: — Date — Time

ATTN: Joan Gravine FAX @ 925-676-2388

FROM: BAKERSFIELD 05/24/1991 09:23 NO. 5 P. 03

GTEL ENVIRONMENTAL LABORATORIES, INC.

20000 Mariner Dr., Suite #300
Torrance, CA 90503

213-371-1044
800-727-GTEL

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST 76-10747

Project Manager: JOHN PAVLIK

Phone #: (213) 551-0601

FAX #: (213) 539-7605

Site location: Bakersfield - Hwy 99

Address: 4101 Allen St. # B1 Bakersfield, CA

Project Number: 22501378

Project Name: Texaco Grapevine

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): JOHN WINKLER

Field Sample ID	Source of Sample	GTEL Lab # (Lab use only)	# CONTAINERS	Matrix: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCl	HNO_3	H_2SO_4	ICE	NONE	OTHER	Sampling: DATE	TIME
B4-5		7A	1		X							X			5/22	AM
B4-10		8A	1		X							X			5/22	12:00
B4-15		9A	1		X							X			5/22	12:15
B4 20		10A	1		X							X			5/22	12:25
B10-5		11A	1		X							X			5/22	11:45
B10-10		10A	1		X							X			5/22	11:50
B10 15		11A	1		X							X			5/22	11:05
B11 -		12A	1		X							X			5/22	12:30
B11 [illegible]		12A	1		X							X			5/22	[illegible]
B11 [illegible]		13A	1		X							X			5/22	[illegible]
B11 [illegible]		14A	1		X							X			5/22	[illegible]

ANALYSIS REQUEST

BTEX 602 ☐ 9020 ☐ with MTBE ☐
BTEX/TPH Gas 602/8015 ☐ 8020/8015 ☐ MTBE ☐
TPH as ☐ Gas ☐ Diesel ☐ Jet Fuel
Product I.D. by GC (SIMDIS) ☐
Total Oil & Grease: 413.1 ☐ 413.2 ☐ 503A ☐
Total Petroleum Hydrocarbons: 418.1 ☐ 503E ☐
EPA 601 ☐ 8010 ☐ DCA only ☐
EPA 602 ☐ 8020 ☐
EPA 608 ☐ 8080 ☐ PCBs only ☐
EPA 610 ☐ 8310 ☐
EPA 624 ☐ 8240 ☐ NBS +15 ☐
EPA 625 ☐ 8270 ☐ NBS +25 ☐
EPTOX: Metals ☐ Pesticides ☐ Herbicides ☐
TCLP Metals ☐ VOA ☐ Semi VOA ☐
EPA Priority Pollutant Metals ☐ HSL ☐
LEAD 7420 ☐ 7421 ☐ 239.2 ☐ 6010 ☐ Org Lead ☐
CAM Metals ☐ STLC ☐ TTLC
Corrosivity ☐ Flashpoint ☐ Reactivity ☐

RUN SAMPLE ← →

B4-5 — Cancel → hold
B4-10 — Cancel → hold
B4-15 — Cancel → hold
B4 20 — Cancel → hold
B11 [illegible] — Cancel → hold
B11 [illegible] — Cancel → hold
B11 [illegible] — Cancel → hold

CUSTODY RECORD

Received by: Date 5/23/91 Time 1:15 pm

Relinquished by Sampler: Date 5/23/91 Time 1:15 pm

Received by: Date [illegible] Time [illegible]

Relinquished by: Date [illegible] Time [illegible]

Received by Laboratory: Date 5/23-91 Time 9:20

Relinquished by: Date [illegible] Time [illegible]

Way bill # [illegible]

Lab # 5-24-91 @ 9:20

SPECIAL HANDLING

24 HOURS ☐
EXPEDITED 48 Hours ☐
SEVEN DAY ☐
OTHER 10 (#) BUSINESS DAYS
QA/QC CLP Level ☐ Blue Level ☐
FAX ☐

SPECIAL DETECTION LIMITS (Specify)

SPECIAL REPORTING REQUIREMENTS (Specify)

REMARKS:
TI-05-476
TI-05-477
TI-05-478

Lab Use Only
Lot #:
Storage Location
Work Order #:

05/24/1990 09:29 NO.5 P.17

GTEL ENVIRONMENTAL LABORATORIES, INC.

20000 Mariner Dr., Suite #300
Torrance, CA 90503

213-371-1044
800-727-GTEL

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

76-10749

Project Manager: JAN WINKLER

Phone #: 805 589 8601

FAX #: 805 589 8605

Address: 4101 Alken St #B1 Bakersfield Lebec CA

Site location: 2[illegible] Equipment Inc

Project Number: 0225013 78

Project Name: 2[illegible] / [illegible] CA.

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): JAN WINKLER

Field Sample ID	Source of Sample	GTEL Lab # (Lab use only)	# CONTAINERS	Matrix: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCl	HNO_3	H_2SO_4	ICE	NONE	OTHER	Sampling: DATE	TIME
B7-10		13A	1		X							X			5/22	0955
B7-15		15A	1		X							X			5/22	0910
B7-20		16A	1		X							X			5/22	0915
B8-5		14A	1		X							X			5/22	1000
B8-10		15A	1		X							X			5/22	1005
B8-10d		16A	1		X							X			5/22	1010
B1-5		17A	1		X							X			5/22	1150
B1-10		18A	1		X							X			5/22	1155
B1-15		19A	1		X							X			5/22	1510
[illegible]		20A	1		X							X			5/22	1600

ANALYSIS REQUEST

BTEX 602 ☐ 8020 ☐ with MTBE ☐
BTEX/TPH Gas. 602/8015 ☒ 8020/8015 ☒ MTBE ☐
TPH as ☐ Gas ☐ Diesel ☐ Jet Fuel
Product I.D. by GC (SIMDIS) ☐
Total Oil & Grease: 413.1 ☐ 413.2 ☐ 503A ☐
Total Petroleum Hydrocarbons: 418.1 ☐ 503E ☐
EPA 601 ☐ 8010 ☐ DCA only ☐
EPA 602 ☐ 8020 ☐
EPA 608 ☐ 8080 ☐ PCBs only ☐
EPA 610 ☐ 6310 ☐
EPA 624 ☐ 8240 ☐ NBS +15 ☐
EPA 625 ☐ 8270 ☐ NBS +25 ☐
EPTOX: Metals ☐ Pesticides ☐ Herbicides ☐
TCLP Metals ☐ VOA ☐ Semi VOA ☐
EPA Priority Pollutant Metals ☐ HSL ☐
LEAD 7420 ☐ 7421 ☐ 239.2 ☐ 6010 ☐ Org Lead ☐
CAM Metals ☐ STLC ☐ TTLC
Corrosivity ☐ Flashpoint ☐ Reactivity ☐

(X) – cancel → hold

(X) – cancel → hold

CUSTODY RECORD

Received by: | Date: 5/22/91 Time: 1140 | Relinquished by Sampler: [signature]

Received by: | Date: | Time: | Relinquished by:

Received by Laboratory: [signature] | Date: 5-23-91 Time: 9:00 | Relinquished by:

Way bill #

Read 26.8 @ 5-24-91 @ 8 AM

SPECIAL HANDLING

24 HOURS ☐
EXPEDITED 48 Hours ☐
SEVEN DAY ☐
OTHER 10 (#) BUSINESS DAYS
QA/QC CLP Level ☐ Blue Level ☐
FAX ☐

SPECIAL DETECTION LIMITS (Specify)

SPECIAL REPORTING REQUIREMENTS (Specify)

REMARKS: TI-05-476
TI-05-477
TI-05-478

Lab Use Only Storage Location

Lot #: Work Order #:

FROM GTEL BAKERSFIELD 05:24:1990 09:24 PG.04

GROUNDWATER TECHNOLOGY, INC.
EXCAVATION AND TRENCHING POLICY - CALIFORNIA
SAFE CODE OF PRACTICES

Although many of the rules and regulations pertaining to excavation and trenching operations in the State of California closely parallel Federal Standards, this policy specifically pertains to California operations.

It shall be the policy of Groundwater Technology, Inc. to ensure that all Groundwater Technology employees and subcontractors comply with the provisions within the California Code of Regulations, Title 8, Chapter 4, Subchapter 4 - Construction Safety Orders.

It is inevitable that remediation procedures for which Groundwater Technology is retained will involve some aspect within the jurisdiction of the Construction Safety Orders. Such operations may include: trenching, vault construction, tank removal, and excavation of contaminated soils.

DEFINITIONS - EXCAVATION, TRENCHES, EARTHWORK

Bank - a mass of soil rising above a digging level.

Bell Hole - an additional excavation made into the sides or bottom of a trench to provide additional work space.

Belled Excavation - a part of a shaft or footing excavation, usually near the bottom and bell-shaped, that makes the cross-sectional area at that point larger than that above.

Benching - a method of excavation whereby the faces of an excavation or trench are widened progressively outward with respect to the bottom of a specific series of horizontal and vertical cuts to provide protection against the hazard of moving ground.

Braces for Excavation - the horizontal members of the shoring system, the ends of which bear against the uprights or stringers.

Earthwork - the process of excavating, moving, storing, placing, and working any type of earth materials.

Excavation - a man-made cavity or depression in the earth's surface, including its sides, walls, or faces formed by the removal of materials, and producing unsupported earth conditions by reason of such removal. If installed forms or similar structures reduce the depth-to-width relationship, the excavation may become a trench.

Exploration Shaft - a shaft created and used for the purpose of obtaining subsurface data.

Geotechnical Specialist (GTS) - a person registered by the State as a Certified Engineering Geologist, or a Registered Civil Engineer trained in soil mechanics, or an engineering geologist or civil engineer with a minimum of 3 years applicable experience working under the direct supervision of either a Certified Engineering Geologist or Registered Civil Engineer.

Hard Compact - all earth material not classified as running soil.

Hydraulic Shoring - a shoring system using hydraulic cylinders, planks, rails, plywood, or steel beams to support the excavated wall of trenches.

Lagging - boards which are joined, side-by-side, lining an excavation.

Running Soil - earth material where the angle of repose is approximately zero, as in the case of soil in a nearly liquid state, or dry, unpacked sand which flows freely under slight pressure. Running material also includes loose or disturbed earth that can be only contained with solid sheeting.

Shaft - an excavation under the earth's surface in which the depth, is much greater than its cross-sectional dimensions (such as those formed to serve as wells, cesspools, certain foundation footings, and under streets, railroads, buildings, etc.).

Shore - a supporting member that resists a compressive force imposed by a load.

Shoring System - a temporary structure for the support of earth surfaces formed as a result of excavation work.

Sides, Walls, and Faces - the vertical or inclined earth surfaces formed as a result of excavation work.

Sloping - a method of excavation whereby the faces of an excavation of trench are laid back to provide protection from moving ground.

Spoil - the earth material that is removed in the formation of an excavation.

Stringers - the horizontal members of the shoring system whose sides bear against the uprights. Stringers are sometimes called whalers.

Strut - a structural member designed to resist forces, either tensional or compressional.

Trench - an excavation made below the surface of the ground. In general, the depth is greater than the width at the bottom, but the width of a trench at the bottom is not greater than 15 feet.

Trench Shield - a protective device which shields workers from the effect of ground movement and which can be moved along as work progresses.

Uprights - the vertical members of the shoring system.

Whaler - a structural member in a horizontal or nearly horizontal position used for stiffening or securing other components of concrete forms, excavation sheeting, or similar temporary structures.

EXCAVATION PROCEDURES
(also trenches, shafts, and other earthwork)

1. Prior to beginning an excavation, the location of all underground utilities and other underground hazards shall be determined.

2. A hazard assessment shall be conducted by a qualified person to evaluate the potential exposure to employees who may work in or around the excavation.

3. The excavation shall also be inspected by a qualified person after each rain or other hazard-increasing event to evaluate the potential hazards from slides or cave-ins.

4. Anytime an employee enters an excavation 5 feet or greater in depth, that employee must be protected by a system of shoring, sloping, benching, or alternative means addressed in No. 15 below.

5. The conditions in No. 4 above, will also require Groundwater Technology to obtain the necessary excavation permit and/or notification procedures with Cal-OSHA.

6. Excavated materials shall be prevented from falling back into the excavation. Spoils should be placed no closer than 2 feet from the edge of the excavation.

7. Work which is conducted within the excavation should be under the direct supervision of a qualified person who is capable of modifying the shoring or sloping system.

8. A convenient and safe means of egress shall be provided for employees working within an excavation 4-feet deep or greater. This may consist of a stairway, ladder, or ramp located within 25 feet of lateral travel.

9. Any employee working in the vicinity of an excavator shall not be in a position where that employee might fall into contact with the moving parts of that excavator. Employees shall also be wearing a reflective vest.

10. An adequate means of water drainage shall be implemented to reduce the likelihood of run-off entering the excavation. This shall hold true during the rainy season. If the accumulation of water could pose a hazard to employees, the situation should be controlled prior to resumption of operations.

11. All shoring systems shall incorporate the soil specifications and conditions for that particular site. The installation of shoring systems shall be conducted in such a way that the employee is properly protected from the potential of cave-ins. Additionally, the removal of the system shall follow the same requirement.

12. If the excavation exceeds 20 feet, or if an alternative shoring, sloping, or benching system is utilized, a civil engineer currently registered in California shall prepare detailed plans showing the materials and methods to be utilized (Appendix A).

13. The detailed plans in No. 12 above, shall be available for inspection at the site.

14. Shoring shall be installed in accordance with Table 1-6 located within Appendix B, or as detailed in plans and specifications prepared by a State of California Registered Civil Engineer in accordance with engineering criteria within Appendix A.

15. If protective shields, (i.e., trench shields) are to be utilized for the protection of employees within an excavation, a civil engineer registered in California must prepare the necessary calculations and designs prior to the use of such equipment.

16. When sloping or benching are utilized in lieu of a shoring system, the slope shall be at least three-quarter horizontal to one vertical for excavations up to 8 feet, unless the instability of the soil requires a slope flatter than 3/4:1. For excavations greater than 8 feet but less than 12 feet, a slope of 1:1 shall be utilized (Appendix C).

On the following pages are specific requirements as set by California Code of Regulation, Title 8, Chapter 4, Subchapter 4-Construction Safety Outline. The pages are facsimiles of pages from this document.

TABLE 1

WOOD SHORING FOR HARD COMPACT SOIL

DEPTH (Feet)	Uprights		Braces (Struts) at 8' on centers (O.C.)	Stringer * (Waler)
	Horizontal Spacing (Feet)	Wood Size (Inches)	Wood Size (Inches) and Excavation Width (Feet)	Wood Size (Inches)
5 to 7	8	3 x 8	4 x 4 All widths up to 15'	———
	4	2 x 10		4 x 4
	2	2 x 8		4 x 4
Over 7 to 10	8	4 x 10	4 x 4 up to 12' width, over 12' up to 15', 6 x 6	———
	4	3 x 10		6 x 8
	2	3 x 8		6 x 8
Over 10 to 12	8	6 x 8	4 x 4 up to 8' width, over 8' up to 15', 6 x 6	———
	4	4 x 8		8 x 8
	2	3 x 8		8 x 8
Over 12 to 15	8	6 x 8	4 x 4 up to 6' width, over 6' up to 15', 6x 6	———
	4	4 x 10		8 x 10
	2	3 x 10		8 x 10
Over 15 to 20	8	6 x 10	6 x 6 up to 14' width, over 14' up to 20', 8 x 8	———
	4	4 x 12		6 x 12
	2	3 x 12		6 x 12
over 20	See Section 1541(a)(6)			

GENERAL NOTES for Table 1

1. Timber shall be "selected lumber" quality. (See Definitions Section 1504.)
2. Timber members of equivalent "section modulus" may be substituted for uprights and stringers shown in these tables.
3. These tables may be modified by a civil engineer in accordance with Section 1541(a)(5).
4. Stringers shall be placed to develop maximum strength (with long side horizontally).

* Optional

** See Section 1541(c)5 for exception

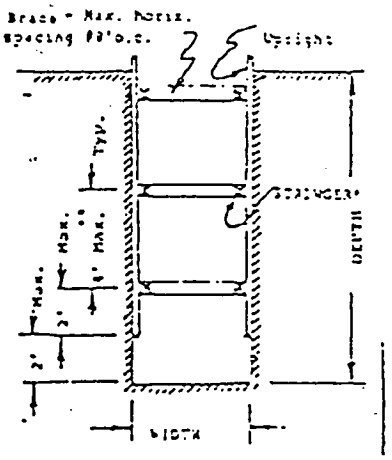


TABLE 2

WOOD SHORING FOR RUNNING SOIL

DEPTH	Uprights		Braces (Struts) at 8' on centers (O.C.)	Stringer (Waler)
	Horizontal Spacing (Feet)	Wood Thickness (Inches)	Wood Size (Inches) and Excavation Width (Feet)	Wood Size (Inches)
5 to 8	Solid	2	6 x 6 All widths up to 15'	8 x 10
Over 8 to 10	Solid	3	6 x 6 up to 10' width, 8 x 8 over 10' width up to 15'	10 x 10
Over 10 to 12	Solid	3	6 x 6 up to 8' width, 8 x 8 over 8' up to 15'	10 x 12
Over 12 to 15	Solid	3	8 x 8 All widths up to 15'	10 x 12
Over 15 to 20	Solid	4	8 x 8 up to 12' width, 10 x 10 over 12' up to 20'	12 x 12
Over 20	See Section 1541(a)(6)			

GENERAL NOTES for Table 2

1. Timber shall be "selected lumber" quality. (See Definitions Section 1504.)
2. Timber members of equivalent "section modulus" may be substituted for uprights and stringers shown in these tables.
3. These tables may be modified by a civil engineer in accordance with Section 1541(a)(6).
4. Stringers shall be placed to develop maximum strength (with long side horizontally).

** See Section 1541(c)8 for exception

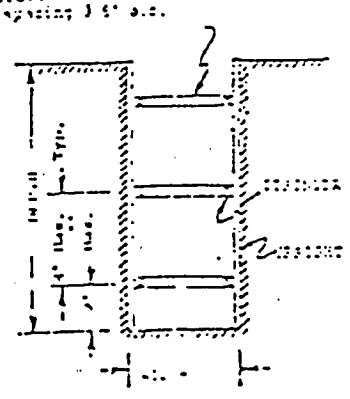


TABLE 3

METAL WOOD SHORING FOR HARD COMPACT SOIL

DEPTH (Feet)	Uprights		Braces (Struts) at 8' on centers				Stringer *
	Horizontal Spacing (Feet)	Wood Size (Inches)	Aluminum Pipe		Std. Steel Pipe		(Waler) (Wood) Size (Inches)
			Min. I.D. (Inches)	Max. Excav. Width (Ft.)	Min. I.D. (Inches)	Max. Excav. Width (Ft.)	
5 to 7	8	3 x 8	2¼ (3¼)	8 (10)	1¼	8	-----
	4	2 x 10	2¼ (3¼)	8 (14)	1¼	8	4 x 4
	2	2 x 8	2¼ (3¼)	8 (20)	1¼	8	4 x 4
Over 7 to 10	8	4 x 10	2¼ (3¼)	6 (8)	2	6	-----
	4	3 x 10	2¼ (3¼)	9 (11)	2¼	12	6 x 8
	2	3 x 8	2¼ (3¼)	12 (16)	3	15	8 x 8
Over 10 to 12	8	6 x 8	2¼ (3¼)	6 (7)	2 (2¼)	8 (12)	-----
	4	4 x 8	2¼ (3¼)	8 (10)	2 (2¼)	10 (11)	8 x 8
	2	3 x 8	2¼ (3¼)	10 (15)	2¼ (3)	13 (15)	8 x 8
Over 12 to 15	8	6 x 8	2¼ (3¼)	5 (6)	2 (2¼)	6 (10)	-----
	4	4 x 10	2¼ (3¼)	7 (9)	2 (2¼)	8 (12)	8 x 10
	2	3 x 10	2¼ (3¼)	9 (13)	2¼ (3)	13 (15)	8 x 10
Over 15 to 20	8	6 x 10	2¼ (3¼)	4 (5)	2¼ (3)	8 (12)	-----
	4	4 x 12	2¼ (3¼)	6 (8)	2¼ (3)	10 (15)	6 x 12
	2	3 x 12	2¼ (3¼)	8 (11)	2¼ (3)	12 (15)	6 x 12
over 20	See Section 1541(a)(6)						

GENERAL NOTES for Tables 3 & 4

1. Metal pipe braces permitted by these Orders shall be schedule 40, standard steel pipe, or equivalent and installation shall be as set forth by these Orders.
2. Timber shall be "selected lumber" quality. (See Definitions—Section 1504.)
3. Timber members of equivalent "section modulus" may be substituted for uprights and stringers shown in these Tables.
4. See Plate C-24-a for screw jack installation requirement.
5. The numbers in parentheses designate the maximum safe span for a specified diameter pipe.

(continued—Table 4)

* Optional ** See Section 1541(a)(8) for exception

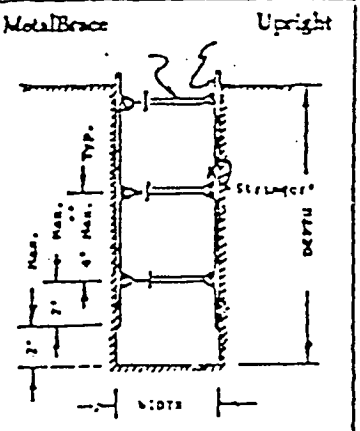


TABLE 4

METAL-WOOD SHORING FOR RUNNING SOIL

DEPTH (Feet)	Uprights		Braces (Struts) at 8' on centers				Stringer
			Aluminum Pipe		Std. Steel Pipe		
	Horizontal Spacing (Feet)	Wood Size (Inches)	Min. I.D. (Inches)	Max. Excav. Width (Ft.)	Min. I.D. (Inches)	Max. Excav. Width (Ft.)	(Waler) Wood Size (Inches)
5 to 8	Solid	2	2½ 3	8 10	1½ 2	3 6	8 x 10
Over 8 to 10	Solid	3	2½ 3	6 8	2 2½	6 12	10 x 10
Over 10 to 12	Solid	3	2½ 3	4 6	2 2½	6 10	10 x 12
Over 12 to 15	Solid	3	2½ 3	3 6	2½ 3	8 15	10 x 12
Over 15 to 20	Solid	4	3 3½ 4	6 8 10	2½ 3 3½	6 12 15	12 x 12
Over 20	See Section 1541(a)(5)						

6. These tables may be modified by a civil engineer in accordance with Section 1541(a)(6).
7. Metal sheeting or other material of equivalent strength to the above wood members may be used.
8. Stringers shall be placed to develop maximum strength (with long side horizontal).

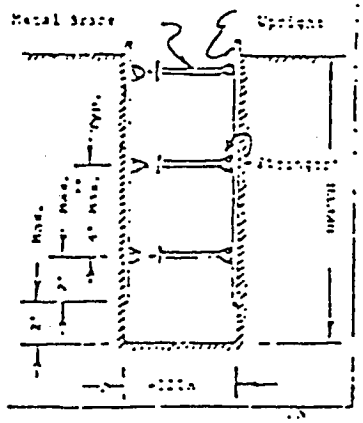


TABLE 5
HYDRAULIC SHORING FOR HARD COMPACT SOIL

DEPTH (Feet)	Uprights		Stringers (Waler) (When used)		Braces (Struts)			
	Horizontal Spacing (Feet)	Size Aluminum Rail	Size Aluminum Rail	Vertical Spacing (Feet)	Hydraulic Cylinders	Horizontal Spacing (Feet)	Max. Excav. Width (Feet)	
5 to 7	8 *(See Note)	8" Wide Standard ***	6" Wide Standard ***	5	2" ID—2¼" OD	8 oc	12	20 **
Over 7 to 12	8 *(See Note)	8" Wide Standard ***	6" Wide Standard ***	5	2" ID—2¼" OD	8 oc	9	20 **
Over 12 to 16	6 *(See Note)	8" Wide Std. or HD	6" Wide Std. or 8" Wide HD	5 5	2" ID—2¼" OD or 2" ID—2¼" OD	6 oc	9	20 **
Over 16 to 20	6 *(See Note)	8" Wide Std. or HD	6" Wide Std. or 8" Wide HD	4 4	2" or 3" ID—or 2¼" or 3¼" OD	4 oc	9	20 **
Over 20	See Section 1541(a)(6)							

GENERAL NOTES

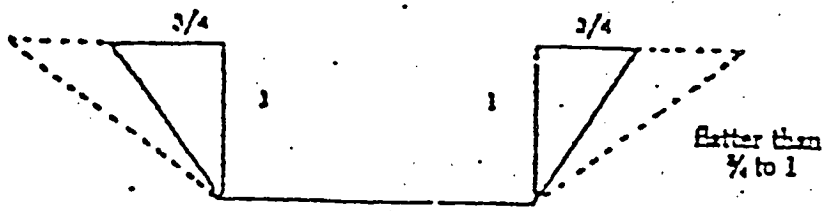
1) *Plywood may be used behind uprights. (See Section 1541(c)(3).
2) **A 3¼ x 3¼ x 3/16" steel oversleeve is required to Std. 2" I.D. No steel oversleeve required on 3" I.D.
3) ***See Hydraulic Shoring Association Manual for strength of rails.
4) If wooden members are used, they shall comply with Tables 1 or 3.
5) This table may be modified by a civil engineer in accordance with Section 1541(a)(6).

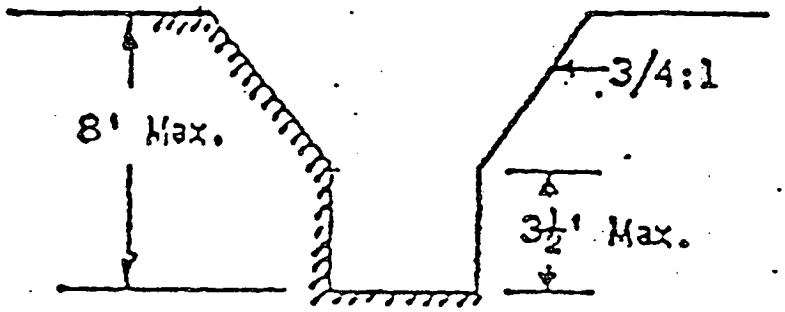
TABLE 6
HYDRAULIC SHORING FOR RUNNING SOIL

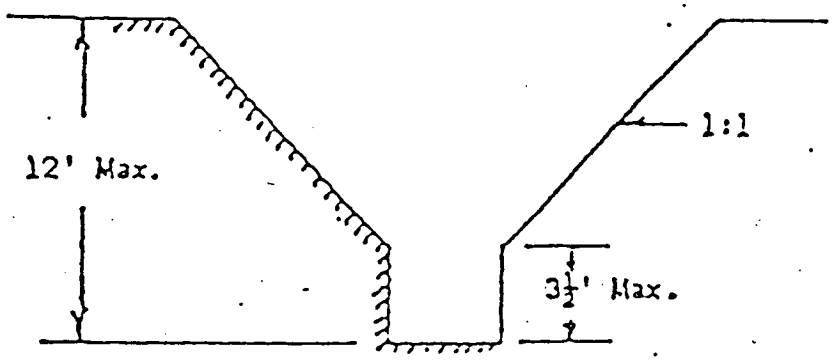
DEPTH (Feet)	Uprights (Wood)		Stringers (Walers)		Braces (Struts)			
	Horizontal Spacing (Feet)	Wood Thickness (Inches)	Size Aluminum Rail	Vertical Spacing (Feet)	Hydraulic Cylinders	Horizontal Spacing (Feet)	Max. Excav. Width (Feet)	
5 to 7	Solid*	2	6" Wide Standard	4	2" ID—2¼" OD	6 cc	9	20**
Over7 to 12	Solid*	3	6" Wide Standard	4	2" ID—2¼" OD	6 cc	9	20**
Over 12 to 16	Solid*	3	6" Wide Standard	4	2" or 3" ID or 2¼" to 3¼" OD	4 cc	8	15**
Over 16 to 20	Solid*	4	6" Wide Standard	3	2" or 3" ID or 2¼" to 3¼" OD	3 cc	6	15**
Over 20	See Section 1541(a)(6)							

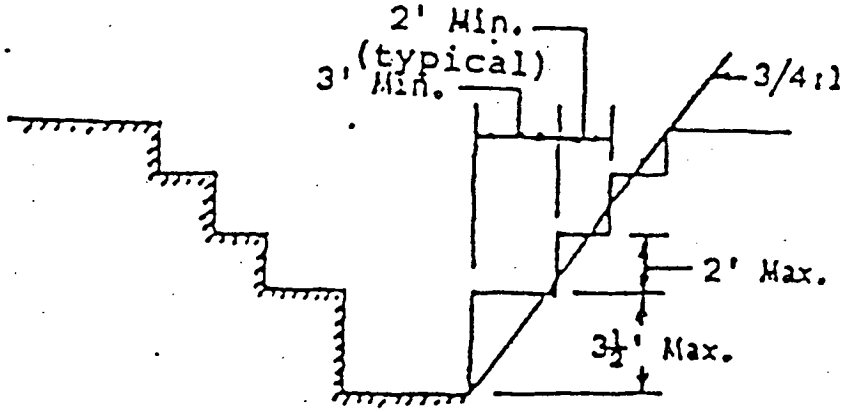
GENERAL NOTES

1) *Plywood may be used behind uprights. (See Section 1541(c)(5)
2) **A 3¼ x 3¼ x 3/16" steel oversleeve is required to Std. 2" I.D. No steel oversleeve required on 3" I.D.
3)***See Hydraulic Shoring Association Manual for strength of rails.
4) If wooden members are used, they shall comply with Tables 1 or 3.
5) This table may be modified by a civil engineer in accordance with Section 1541(a)(6).


3/4
3/4
1
1
flatter than
¾ to 1


8' Max.
3/4:1
3½' Max.


12' Max.
1:1
3½' Max.


2' Min.
3' (typical)
Min.
3/4:1
2' Max.
3½' Max.

APPENDIX I

(OSHA Inspection Steps)

APPENDIX I

Immediate OSHA Inspection Steps

1. Identify the Inspector.

   (a) Ask to see credentials.

   (b) Write down the relevant information, including the inspector's name, agency affiliation, address, telephone number and the statutory authority under which the inspection is being conducted.

   (c) If any doubts, call OSHA office to verify the visit.

   (d) If inspection occurs at a project site, ask for written certification of medical monitoring (including respiratory evaluation) and for 40 hour hazardous waste training certification. **NO ONE** may venture out of the clean zone without it. **DOUBLE CHECK** it with his/her office if in doubt.

2. Notify the Health & Safety Manager and Project Manager immediately.

   (a) The Project Manager should notify the District Manager.

   (b) The Health & Safety Manager should notify Corporate Health and Safety (ELD).

3. Take notes on:

   (a) What is said
   (b) What is seen
   (c) Who spoke to whom
   (d) Any sample or copies taken
   (e) Any corrective actions done in the inspector's presence
   (f) Any activity, including where, when, who, and what
   (g) Any other occurrence, even if seemingly minor

- When in doubt on any question, DO NOT BLUFF AN ANSWER. Ask the inspector to put the question in writing, addressed to company counsel. Never lie, even by omission; jail can be the penalty.
- If inspection occurs on site, carefully review the Site Safety Plans with the Inspector if asked to do so.
- If inspection occurs at an office, have accident reports, OSHA 200 logs ready at all times for inspection. Always make sure OSHA poster is visible.
- Determine the scope of the inspection: Ask the OSHA inspector what areas of the company activity are of interest and the reason for the inspection. Discover what has triggered the inspection. If complaints initiated the inspection, find out specifically what they were.

APPENDIX B
SITE SAFETY PLAN

SITE SAFETY PLAN
TEXACO LEBEC
GRAPEVINE RD. & D STREET
LEBEC, CA 93243

MAY 15, 1991

GROUNDWATER TECHNOLOGY, INC.
20000/200 MARINER AVENUE
TORRANCE, CALIFORNIA 90503

Elaine Tensley
COMPLETED BY

PROJECT MANAGER

HEALTH & SAFETY MANAGER

GROUNDWATER TECHNOLOGY, INC.

Name of Company
Site Safety Plan
Date

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1.0 SITE EMERGENCY PLAN

Survey the situation. Do not endanger your own life.

Your site address: Grapevine Rd. & D Street
Lebec, CA 93243

1.1 Emergency Telephone Numbers

Telephone located at:	On site.
Ambulance:	(911)
Fire:	(911)
Police:	(911)
Poison Control:	800-346-5922
Nearest Hospital:	Mercy Hospital
Street Address:	2215 Truxtun Ave., Bakersfield, CA
Telephone:	(805) 327-3371
Directions to:	North on Hwy. 99 approx. 29 miles to California Avenue. Exit east to Oak Street. North on Oak Street to Truxtun Avenue. East on Truxtun Avenue approx. 4 blocks, hospital on right side of street.

1.2 First Aid:

Ingestion: Give water if patient is conscious. Call Poison Control - follow instructions. Administer CPR, if necessary. Seek medical attention.

Inhalation: Remove person from contaminated evironment. Administer CPR, if necessary. Seek medical attention.

Skin Contact: Brush off dry material, remove contaminated clothing. Wash skin with soap and water. Seek medical attention if irritation develops.

Eye Contact: Flush eyes and surrounding tissue with water for 15 minutes. Seek medical attention.

* Exposure Symptoms: Headache, dizziness, nausea, drowsiness, irritation of eyes, nose, throat, breathing difficulties.

Report incident to Project Manager and Regional Health and Safety Manager after emergency procedures have been implemented.

1.3 Emergency Environmental Contacts

	TELEPHONE:
Groundwater Technology, Inc.:	1-805-589-8601
Contact Person: Jonathan Parker	1-805-589-8601
Home: 1-805-833-8984	
Alternates: Scott Doolittle	1-805-589-8601
Home: 1-805-837-1183	
Maureen Grant	1-213-371-1394, X337
Home: 1-213-379-3055	
National Response Center:	**1-800-424-8802**
U.S. EPA (24-hour Hotline):	**1-800-424-9346**
State Regulatory Agency: Kern County Environ. Health	1-805-861-3636
Client: Texaco Refining & Marketing, Inc.	
Contact Person: Ray Johnston	1-818-505-2139

1.4 Encountering Hazardous Situations (requiring evacuation)

In the event of an emergency, i.e. fires, explosions or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil or surface water at the facility, the team member that observes this condition shall give an emergency alarm. The emergency alarm signal will be 3 horn blasts on the horn located in the site vehicle.

Actions to be taken will be dictated by the emergency. All appropriate local emergency response agencies shall be notified immediately. The police, fire department, emergency response teams and ambulance may be reached via telephone by dialing 911.

The nearest hospital and additional emergency contacts are listed on the previous page (Section 1.0).

Personnel encountering a hazardous situation shall **instruct others on site to evacuate the vicinity immediately** and call the (I) Site Safety Officer, (2) the Project Manager, and (3) the Health & Safety Manager for instructions.

The site must not be re-entered until back-up help, monitoring equipment, and personal protective equipment is on hand.

2.0 INFORMATIONAL SUMMARY

2.1 Health and Safety Summary

Chemicals of Concern: Gasoline, Benzene, Toluene, Ethylbenzene, & Xylene
Hazard Determination: Serious__ Moderate__ Low X

Minimum Level of Protection:

Modified Level D is the minimum acceptable level for this site.

Action Level for Upgrading Personal Protection: Upgrade from Level D to Level C at 100 ppm measured within the breathing zone. This should be determined by a photoionization detector (PID) with a 10.2 lamp or a flame ionization detector (FID).

Air Monitoring Requirements:

PID	X
OVA	—
FID	—
O_2/LEL	—
DETECTOR TUBES	—
OTHER	—

TABLE I

ACTION LEVELS

NOTE: The information in this chart applies to gasoline and its chemical constituents.

GASOLINE PEL* = 300 PPM GTI ACTION LEVEL = 100 PPM

ACTION LEVELS FOR PPE

AIR MONITORING INSTRUMENT	LEVEL D	LEVEL C	LEVEL B
LEL	<1%	1% - 5%	>5%
PID/FID	<100 ppm	100 - 750 ppm	>750 ppm
O_2	19.5 - 23%	19.5 - 23%	<19.5%

Explanatory Information:

LEL Gasoline = 1.4 % or 14,000 ppm

1% LEL = 140 ppm (Wear Level C)

5% LEL = 700 ppm (Wear Level C)

>5% LEL = Level B (>700 ppm)

NOTE: Withdraw from site and contact the project manager if:
LEL > 20%, and/or O_2 > 23%

* PEL = Permissible Exposure Limit (OSHA 1989)

3.0 INTRODUCTION

3.1 Background

Texaco Refining & Marketing, Inc. has retained Groundwater Technology, Inc. (GTI) to perform a site assessment/investigation at their facility located at Grapevine Rd. and D Street, Lebec, California.

3.2 Purpose

The purpose of the site safety plan is to provide Groundwater Technology field personnel and subcontractors with an understanding of the potential chemical and physical hazards that exist or may arise while the tasks of this project are being performed.

This SSP describes the procedures to be followed in order to reduce employee exposure to potential health hazards which may be present at the project site. The emergency response procedures necessary to respond to such hazards are also described within this SSP.

3.3 Objective

The primary objective is to ensure the well-being of all field personnel and the community surrounding this site. In order to accomplish this, project staff and approved subcontractors shall acknowledge and adhere to the policies and procedures established herein. Accordingly, all personnel assigned to this project shall read this site safety plan and sign the Agreement and Acknowledgement Statement (Appendix A) to certify that they have read, understood and agreed to abide by its provisions.

GTI personnel have the authority to stop work performed by our sub- contractors at this site if any work is not performed in accordance with the requirements of this Site Safety Plan.

3.4 Amendments

Any changes in the scope of work of this project and/or site conditions must be amended in writing on the Site Safety Plan Amendment Sheet (Appendix B) and approved by Health & Safety Manager.

4.0 HAZARD EVALUATION

4.1 Site Conditions

General Site conditions at the Texaco Lebec site include no known contaminants.

4.2 Site Tasks

The field tasks at this site may include:

- Soil boring samples
- Monitoring well installation
- Monitoring well survey
- Monitoring well gauging
- Monitoring well development
- Product bailing
- Groundwater and soil sampling
- Excavation/trenching
- Equipment installation
- Operation and maintenance

4.3 Spill and Disposal Procedures

Contain spills with an absorbent material (sand, sawdust, dirt, clay). Report spills to client and follow their recommended procedures. If spills occur in transit, report them to the appropriate authorities.

4.4 Job Task Hazards

4.4.1 All Field Tasks: The following hazards may be encountered.

- Slippery Surfaces:

  All employees must wear ANSI approved work boots with steel toe protection. Skid proof soles are highly recommended.

- Organic Vapors:

  The inhalation of volatile organic vapors during all operations can pose a potential health hazard. Hazard reduction procedures include monitoring the ambient air with a PID and/or FID and use of Personal Protective Equipment indicated on Table II. Workers should stand upwind of the source of contamination whenever possible. If ambient air levels in the breathing zone exceed 100 ppm, full face respirators equipped with organic vapor cartridges must be worn.

- Flammable Vapors:

  Presence of flammable vapors can pose a potential fire hazard and health hazard. Hazard reduction procedures include monitoring the ambient air with an O_2/LEL meter. If the LEL reading exceeds 20%, leave the site immediately and contact the fire department.

- Oxygen:

  Atmospheres that contain a level of oxygen greater than 23% pose an extreme fire hazard (the usual ambient oxygen level is approximately 20.5%). All personnel encountering atmospheres that contain a level of Oxygen greater than 23% must evacuate the site immediately and must notify the Fire Department.

  If Oxygen Level is less than 19.5%, do not enter the space.

- Noise:

  GTI and ANSI approved hearing protection must be worn during noisy operations such as drilling.

- Surface and Equipment Contamination:

  Contact with contaminated surfaces, or surfaces suspected of being contaminated should be avoided. This includes walking through, kneeling or placing equipment in puddles, mud, discolored surfaces, or on drums and other containers. Eating, smoking, drinking and/or the application of cosmetics is prohibited on this site in the immediate work area. This reduces the likelihood of contamination by ingestion.

- Exposure - Heat Stress:

  Since climatic changes cannot be avoided work schedules will be adjusted to provide time intervals for intake of juices, juice products and water in an area free from contamination and in quantity appropriate for fluid replacement.

  Heat stress may occur even in moderate temperature areas and may present any or all of the following:

  A. Heat Rash: result of continuous exposure to heat, humid air, and chafing clothes. Heat rash is uncomfortable and decreases the ability to tolerate heat.

  B. Heat Cramps: result of the inadequate replacement of body electrolytes lost through perspiration. Signs include severe spasms and pain in the extremities and abdomen.

  C. Heat Exhaustion: result of increase stress on the vital organs of the body in the effort to meet the body's cooling demands. Signs include shallow breathing; pale, cool, moist skin; profuse sweating; dizziness.

  D. Heat Stroke: result of overworked cooling system. Heat stroke is the most serious form of heat stress. Body surfaces must be cooled and medical help must be obtained immediately to prevent severe injury and/or death. Signs include red, hot, dry skin; absence of perspiration; nausea; dizziness and confusion; strong, rapid pulse. Can lead to coma and death.

Heat Stress Prevention

A. Replace body fluids (water and electrolytes) lost through perspiration. Solutions may include a 0.1% salt and water solution or commercial mixes such as Gatorade and Squench.

B. Cooling devices to aid the natural body ventilation. Cooling occurs through evaporation of perspiration and limited body contact with heat-absorbing protective clothing. Utilize fans and air conditioners to assist in evaporation. Long, cotton underwear is suggested to absorb perspiration and limit any contact with heat-absorbing protective clothing (i.e., coated Tyvek suits).

C. Provide hose-down mobile shower facilities to cool protective clothing and reduce body temperature.

D. Conduct non-emergency response activities in the early morning or evening during very hot weather.

E. Provide shelter against heat and direct sunlight to protect personnel.

F. Rotate workers wearing protective clothing during hot weather.

- Exposure - Cold Stress:

  Work schedules will be adjusted to provide sufficient rest periods in a heated area for warming up during operations conducted in cold weather. Also thermal protective clothing such as wind and/or moisture resistant outerwear is recommended to be worn.

  If work is performed continuously in the cold at or below -7° C (20° F), including wind chill temperature, heated warming shelters (tents, cabins, company vehicles, rest rooms, etc.) shall be made available nearby and the worker should be encouraged to use these shelters at regular intervals the frequency depending on the severity of the environmental exposure. The onset of heavy shivering, frostnip, the feeling of excessive fatigue, drowsiness, irritability, or euphoria, are indications for immediate return to the shelter. When entering the heated shelter the outer layer of clothing shall be removed and the remainder of the clothing loosened to permit sweat evaporation. A change of dry work clothing shall be provided as necessary to prevent worker from returning to their work with wet clothing. Dehydration, or the loss of body fluids, occurs in the cold environment and may increase the susceptibility of the worker to cold injury due to a significant change in blood flow to the extremities. Warm sweet drinks and soups should be provided at the work site to provide caloric intake and fluid volume. The intake of coffee should be limited. (Adapted from TLV's and Biological Exposure Indices 1988-1989; ACGIH).

- Falling Objects:

  Hard hats must be worn by all personnel whenever construction-type activity is taking place. (ie., drilling, excavation, trenching).

- Vehicular traffic:

  All employees will be required to wear a fluorescent safety vest at all times while on site. In addition, the following safety equipment procedures must be adhered to.

TASK	TRAFFIC SAFETY EQUIPMENT
Drilling	A
Subsurface Entry	A
Well Installation	A
Well Maintenance	B
Well Gauging	B
Sampling	B
Pump Test	B

SAFETY EQUIPMENT KEY:

A = Cones and barricades required - tapes and flags are recommended but optional.

B = Cones are required - flags are recommended but are optional.

4.4.2 Well Installation; Well Development; Well Gauging; Well Bailing; Soil & Groundwater Sampling:

Skin and eye contact with contaminated groundwater and/or soil may occur during these tasks. Nitrile butyl rubber or neoprene gloves and approved safety goggles should be worn when contact with contaminated substance and/or splash is possible.

4.4.3 Sample Preservation:

When hydrochloric acid is used, skin and eye contact can occur. This hazard can be reduced with the use of Nitrile butyl rubber or neoprene gloves and the use of safety goggles.

4.4.4 Cleaning Equipment:

Skin and eye contact with methanol, Alconox, or other cleaning substances can occur while cleaning equipment. This hazard can be reduced with the use of Nitrile butyl rubber or neoprene gloves and the use of safety goggles.

4.4.5 Confined Space:

Manholes, subsurface vaults and sheds are examples of confined spaces that may lack adequate ventilation. Organic and/or combustible vapors may be trapped resulting in a lack of oxygen (anoxia) and/or overexposure to vapors. When site work takes place in a confined space the air must be monitored for (a) oxygen level, (b) flammable vapors, and (c) toxic vapors. The following air monitoring procedures must be followed before entering a confined space.

a. Oxygen Level: Monitor for % Oxygen with an O_2/LEL meter to ensure a minimum oxygen level of 19.5%. Oxygen level monitoring will be done at the top, middle and bottom of the enclosed space to determine if there is a minimum acceptable oxygen level of 19.5% **PRIOR** to entry.

If oxygen is less than 19.5%, do not enter the space.

b. Explosive Vapors: Monitor for % of Lower Explosive Limit (LEL) with a O_2/LEL meter to determine whether vapor concentrations within the confined space are within the flammable range.

If LEL readings exceed 20%, personnel MUST leave the site immediately, and contact the project manager.

c. Toxic Vapors: Monitor for toxic vapors with a PID and/or an FID (e.g., HNU or OVA) to determine whether toxic vapors within the confined space exceed the action levels.

If the PID and/or the FID readings exceed 100 ppm, a full face respirator must be worn.

All monitoring equipment must be calibrated and maintained in accordance with manufacturer's recommendations. If an HNU is used, the 10.2 eV lamp is required for accurate readings.

d. Summary: ***Do not enter the confined space unless***:

- the oxygen concentration is between 19.5 and 23%;
- the LEL is less than 20%;
- PID and/or FID readings are less than 750 ppm (a full face respirator must be worn if the readings exceed 100 ppm)

e. Buddy System: The buddy system must be used when the work in the confined space: (1) requires the person's head to be below ground level; or (2) the person must work in a manhole or other space in which an exit may not be easily accessible.

TABLE II

HAZARD SUMMARY

JOB TASK	PPE LEVEL	AIR MONITORING - BREATHING ZONE	
		INSTRUMENT	FREQUENCY*
Soil Boring Samples	D	PID or FID	At start of work and 15 min. to continuously
Monitoring Well Installation	D	PID or FID	At start of work and 15 min. to continuously
Monitoring Well Survey	D	PID or FID	Start-up of work at each well location
Monitoring Well Development	D	PID or FID	Start-up of work at each well location
Groundwater and Soil Sampling	D	PID or FID	Start-up of work at each well location.

* All air monitoring data must be recorded on the Vapor Monitoring Sheet, Appendix G.

5.0 PERSONAL PROTECTIVE EQUIPMENT

Modified Level D is the minimum acceptable level for this site.

Modified Level D includes:

- coveralls/work uniform
- steel toe and shank boots
- Nitrile butyl rubber or neoprene gloves (optional)
- splash goggles/safety glasses if potential for splash
- hard hat
- fluorescent vest
- Tyvek suit (optional)
- hearing protection (as appropriate)

Level C includes:

- full face respirator NIOSH approved with organic vapor cartridges
- Tyvek suits (if splash hazard is possible, a coated suit must be worn)
- Nitrile butyl rubber or neoprene gloves
- steel toe and shank boots
- outer boots - chemical resistant
- inner disposable gloves (2 pairs recommended)
- hard hat
- fluorescent vest
- hearing protection (as appropriate)

Level B includes:

- air supplied respirator
- coated Tyvek suit, such as Saranex
- Nitrile butyl rubber or neoprene gloves
- inner latex or vinyl gloves
- steel toe and shank boots
- outer boots - chemical resistant
- hard hat
- fluorescent vest
- hearing protection (as appropriate)

6.0 DECONTAMINATION PROCEDURES

All operations conducted at this site have the potential to contaminate monitoring equipment and personal protective equipment (PPE). To prevent the transfer of contamination to vehicles, administrative areas and personnel, the following procedures must be followed:

Equipment Decontamination

1. Whenever possible, monitoring equipment should be decontaminated with a solution of Alconox and thoroughly rinsed with water prior to leaving the site. This must be done outside a 5-foot radius of any work area.

Personal Decontamination

LEVEL D
- segregated equipment drop
- wash/rinse outer boot (as appropriate)
- wash/rinse chemical resistant outer glove, then remove (as appropriate)
- remove hard hat, goggles/safety glasses/faceshield
- remove and throw out inner disposable gloves in designated lined receptacles (as appropriate)

LEVEL C
- segregated equipment drop
- wash/rinse outer boots
- wash/rinse chemical resistant outer gloves, then remove
- remove outer boots and place to dry (if reusable)
- remove chemical resistant suit (remove by rolling down the suit)
- remove first pair(s) of disposable gloves
- remove respirator/hard hat/faceshield dispose of cartridges and wash respirator
- remove last pair of disposable gloves

LEVEL B
- segregated equipment drop
- wash/rinse outer boots
- wash/rinse chemical resistant outer gloves, then remove
- cross hotline (into clean area) and change air tanks, then redress or
- cross hotline (into clean area)
- remove boots and gloves
- remove SCBA, if worn over chemical resistant suit
- if SCBA is worn under the suit, remove the chemical resistant suit, then the SCBA
- remove hard hat

7.0 CHEMICALS OF CONCERN

7.1 Health Effects

Potential health effects from a chemical exposure are dependant on several exposure factors such as: toxicity of substances, duration of exposure, concentration during exposure and the overall health of the person exposed.

The chemicals commonly at this site are: Gasoline, Benzene, Toluene, Ethylbenzene, and Xylene. The following is a health analysis of these chemicals.

Additional information on these chemicals can be found in the Material Safety Data Sheet located in Appendix E.

Gasoline constituents can be divided into five major groups: alkanes, alkenes, cycloalkanes, aromatics and additives. The aromatics are the constituents generally regarded to be of greatest toxic concern. The major aromatics in gasoline are benzene, toluene, ethyl benzene and xylene. Of these, benzene is considered to be the most toxic. One characteristic effect of gasoline and its aromatic constituents is their ability to irritate the skin when repeated or prolonged exposure occurs.

Benzene

Benzene can enter the body through inhalation, ingestion and skin contact. Studies have noted that chronic exposure to benzene vapor can produce neurotoxic and hematopoietic (blood system) effects. Other effects can include headache, dizziness, nausea, convulsions, coma and possible death if exposure is not reversed. One significant effect from chronic benzene exposure is bone marrow toxicity. There is also an association between chronic exposures to benzene and the development of certain types of leukemia.

Toluene

Inhalation exposure to toluene vapor can produce effects such as central nervous system depression. Depending on exposure factors signs and symptoms can include headache, dizziness, fatigue, muscular weakness, incoordination, drowsiness, collapse and possible coma. Toluene can be a skin and mucous membrane irritant and studies have shown that high levels of toluene exposure can cause liver and kidney damage.

Ethylbenzene

Exposure to ethyl benzene at high vapor concentrations may produce irritation to the skin, eyes and upper respiratory tract. Overexposure to ethyl benzene vapors can produce central nervous system depression with symptoms of headache, nausea, dizziness, shortness of breath and unsteadiness. Prolonged skin exposure to ethyl benzene may result in drying and cracking of the skin (dermatitis). Solvent resistant gloves should be worn during sampling to prevent exposure to the skin.

Xylenes

Depending on exposure factors, inhalation exposure to xylene vapor may produce central nervous system excitation followed by depression. Exposure to xylene vapor can produce dizziness, staggering, drowsiness and unconsciousness. At very high concentrations, xylene vapor may produce lung irritation, nausea, vomiting and abdominal pain. Xylene is not known to possess the chronic bone marrow toxicity of benzene, but liver enlargement and nerve-cell damage have been noted from chronic overexposure.

8.0 GAS/VAPOR MONITORING PROCEDURES

The greatest potential hazards to safety and health at this site are:

1. Exposure to chemical vapors - through inhalation
2. Exposure to chemical contamination - through skin contact and ingestion.

Ongoing air monitoring during project tasks will provide data to ensure that vapor concentrations are within acceptable ranges and will provide adequate selection criteria for respiratory and dermal protection.

8.0.1 If PID readings exceed 100 ppm, a NIOSH approved air-purifying respirator with organic vapor cartridges must be worn by all site workers within any area where monitoring results exceed 100 ppm.

8.0.2 If PID readings exceed 750 ppm, level B protection will be required. Personnel must leave site immediately and contact site safety officer or Health & Safety Manager for further instructions.

8.0.3 Respirator cartridges will be changed once per day as a minimum. This can be accomplished at the end of the work day during respirator decontamination. If odor breakthrough is detected while wearing the respirator or breathing becomes difficult, change cartridges immediately.

8.1 Tasks Performed Within a Confined Space

When site work takes place in a confined space the air must be monitored for (a) oxygen level; (b) explosive vapors; and (c) toxic vapors. The following air monitoring procedures must be followed before entering a confined space.

a. Oxygen Level: Monitor for % Oxygen with a O_2/LEL Meter to ensure a minimum oxygen level of 19.5%. Oxygen level monitoring will be done at the top, middle and bottom of the enclosed space to determine if there is a minimum acceptable oxygen level of 19.5% prior to entry. ***If oxygen is less than 19.5%, do not enter the space.***

b. Explosive Vapors: Monitor for % of Lower Explosive Limit (LEL) with a O_2/LEL Meter to determine whether vapor concentrations within the confined space exceed 20% of the LEL. If readings exceed 20% LEL, personnel shall shut off accessible equipment, leave the site immediately, and contact the fire department.

c. Toxic Vapors: Monitor the air within the confined space for organic vapors with a PID or FID following guidelines stated in Section 8.0 (above) to decide on the respiratory protection needed. Enter the space only if the oxygen level is at or above 19.5%, the %LEL is below 20%, the toxic vapor concentration is determined, and the proper respiratory protection is worn.

   PID or FID readings will be taken at the top, middle and bottom of a vault, shed, or other confined space to ensure that vapors do not exceed acceptable levels.

All monitoring equipment must be calibrated and maintained in accordance with manufacturer's recommendations.

9.0 HEALTH AND SAFETY REQUIREMENTS

9.1 Medical Monitoring Program

All Groundwater Technology, Inc. field personnel are required to have annual medical evaluations in accordance with the company's Health and Safety Program policy. Additional re-evaluation will be considered in the event of chemical over-exposure while working on this site.

The petrochemicals typical of these facilities can affect specific organ systems producing characteristic health effects. The medical evaluation will, therefore, focus on the liver, kidney, nervous system, blood systems, and skin and lung function. Laboratory testing will include complete blood count, and applicable kidney and liver-function tests. Other tests include skin examination.

9.2 Training

All personnel working at this site should have received a minimum of 40 hours of initial hazardous waste activity instruction, and a minimum of three days of field experience under the direct supervision of a trained, experienced person. Personnel assigned to the site will also receive eight hours refresher training per year. On-site managers and supervisors directly responsible for employees engaged in hazardous waste operations have received an additional eight hours of supervisory training. These training requirements comply with the OSHA Hazardous Waste Operations and Emergency Response regulation, 29 CFR 1910.120.

The initial 40-hour training and the 8-hour annual refresher training includes specific details on the following:

- Regulatory Requirements
- First Aid/CPR
- Confined Space Entry
- Respiratory Protection
- Air Monitoring
- Decontamination Procedures
- Hazard Communication
- Toxicology

These specifications are then complimented with actual hands-on experience with the use of personal protective equipment and air monitoring equipment.

9.3 Work Zones Access

Access within a 5-foot radius of any on-site operation is prohibited to all but Groundwater Technology, Inc. field personnel and subcontractors.

9.4 Emergency Equipment

Vehicles used for site work will be equipped with a first aid kit and safety equipment including:

- fluorescent vests,
- cones,
- flags (as needed)
- barricades (as needed)
- fire extinguisher-dry chemical ABC-type extinguisher,
- flashlight,
- water, suitable for drinking,
- portable eye wash,
- appropriate emergency bandage material.

9.5 Carbon Treatment

If this site involves the use of a Carbon Treatment System, then the following information will apply.

The Carbon Treatment System is equipped with an emergency shut-off. The system will shut off automatically when the non-methane TPH vapor concentrations in the intermediate line reach 5% of the Lower Explosive Limit (LEL) for gasoline as recorded by the system monitors.

The suggested equipment for decontamination and spill response procedures includes:

- wash tubs (3)
- plastic sheets
- trash bags
- scrub brushes
- detergent
- sorbent booms (as applicable)

The carbon system is a closed system where no chemicals are used. The potential for a spill is minimal and thus spill containment is not addressed in this Site Safety Plan.

9.6 Drilling Procedures

A Dig-Alert authorization number must be obtained prior to drilling.

During the drilling operation, two persons (one designated as "driller" and the other as "helper") must be present at all times. The helper (whether Groundwater Technology, Inc. personnel or subcontractors) must be instructed as to the location of the emergency shut-off switch. Every attempt must be made to keep unauthorized personnel from entering the work area. If this is not possible, the operation should be shut down until the area is cleared. The area where the operation is taking place shall be cordoned off with a barricade. The Site Safety Officer or the Field Team Leader has the authority and the responsibility to shut down the drilling operations whenever a hazardous situation is deemed present.

The mast of the drilling rig must maintain a minimum clearance of 20 feet from any overhead electrical cables. All drilling operations will cease immediately during hazardous weather conditions such as high winds, heavy rain, lightening and snow.

Hart hats shall be worn at all times. Hearing protection shall be worn during noisy operations.

If product is encountered during the drilling operation, all work must stop in order for employees to upgrade personal protective equipment to Level C. A full-face respirator should be worn in order to prevent the inhalation of vapors and to provide face and eye protection from splashes. Coated tyvek suits, gloves, and overboots should be worn to prevent skin contact with the soil.

Air monitoring must be performed in the work area to document breathing-zone concentrations. If air monitoring results indicate concentrations greater than 700 ppm, then Level B respiratory protection will be implemented.

Respirator cartridges must be changed at the end of a work period or if "breakthrough" occurs. If employees experience continuous cartridge "breakthrough", then the employees' work procedures and the level of respiratory protection must be re-evaluated by the Site Safety Officer and the Health and Safety Manager in order to determine the necessity of upgrading to Level B respiratory protection.

9.7 Electrical Equipment and Ground-Fault Circuit Interrupters

All electrical equipment and power cables in and around wells or structures suspected of containing chemical contamination must be intrinsically safe and equipped with a three-wire ground lead, rated explosion-proof for hazardous atmospheres. In accordance with OSHA 29 CFR 1926.404, approved ground fault circuit interrupters (GFCI) must be used for all 120 volt, single phase, 15 and 20 ampere receptacle outlets on the site which are in use by employees. Receptacles on the ends of extension cords are not part of the permanent wiring and therefore, must be protected by GFCI's whether or not the extension cord is plugged into permanent wiring.

The GFCI is a fast-acting circuit breaker which senses small imbalances in the circuit caused by current leakage to ground, and in a fraction of a second shuts off the electricity. However, the GFCI will not protect the employee from line-to-line contact hazards (such as a person holding two "hot" wires or a hot and neutral wire in each hand). The GFCI does provide protection against the most common form of electrical shock hazard - the ground fault. It also provides protection against fires, overheating, and destruction of insulation on wiring.

GFCIs can be used successfully to reduce electrical hazards on construction sites. Tripping of GFCIs - interruption of current flow -is sometimes caused by wet connectors and tools. It is good practice to limit exposure of connectors and tools to excessive moisture by using watertight or sealable connectors. Providing more GFCIs or shorter circuits can prevent tripping caused by the cumulative leakage from several tools or by leakages from extremely long circuits. (Adapted from OSHA 3007; Ground-Fault Protection on Construction sites, 1987.)

9.8 Fire Prevention

During equipment operation, periodic vapor concentration measurements should be taken with an explosimeter or combustimeter. If at any time the vapor concentrations exceed 20% of LEL, then the Site Safety Officer or designated field worker should immediately shut down all operations.

Only Factory Mutual (FM) approved fire safety cans will be used to transport and store flammable liquids. All gasoline and diesel-driven engines requiring refueling must be shut down and allowed to cool before filling. Smoking is not allowed during any operations within the work area in which petroleum products or solvents in free-floating, dissolved or vapor forms, or other flammable liquids may be present.

No open flame or spark is allowed in any area containing petroleum products, or other flammable liquids.

9.9 General Health

Medicine and alcohol can increase the effects of exposure to toxic chemicals. Unless specifically approved by a qualified physician, prescription drugs should not be taken by personnel assigned to operations where the potential for absorption, inhalation, or ingestion of toxic substances exists.

Drinking alcoholic beverages is prohibited. Drinking alcoholic beverages and driving is prohibited at any time. Driving at excessive speeds is always prohibited.

Skin abrasions must be thoroughly protected to prevent chemicals from penetrating the abrasion. It is recommended that Contact Lenses not be worn by persons working on the site.

9.10 MSDS Information

Material Safety Data Sheets (MSDS) on chemical substances encountered at the site shall be made available to all persons (including subcontractors) working at the site. These MSDSs shall be enclosed within this site safety plan in Appendix E. For emergency situations not specifically addressed by this site safety plan, refer to MSDS recommendations for action information.

10.0 PROJECT PERSONNEL

Groundwater Technology, Inc. will oversee and act accordingly during all phases of the project. The following management structure will be instituted for the purpose of successfully and safely completing this project.

10.1 Project Manager:

Jonathan Parker

The Project Manager will be responsible for implementing the project and obtaining any necessary personnel or resources for the completion of the project. Specific duties will include:

- coordinating the activities of all subcontractors, to include informing them of the required personal protective equipment and insuring their signature acknowledging this Site Safety Plan (see Appendix A),
- selecting a Site Safety Officer and field personnel for the work to be undertaken on site,
- ensuring that the tasks assigned are being completed as planned and on schedule,

- providing authority and resources to ensure that the Site Safety Officer is able to implement and manage safety procedures,
- preparing reports and recommendations about the project to clients and affected Groundwater Technology, Inc. personnel,
- ensuring that persons allowed to enter the site (i.e., EPA, contractors, state officials, visitors) are made aware of the potential hazards associated with the substances known or suspected to be on site, and are knowledgeable as to the on-site copy of the specific site safety plan.
- ensuring that the Site Safety Officer is aware of all of the provisions of this site safety plan and is instructing all personnel on site about the safety practices and emergency procedures defined in the plan, and
- ensuring that the Site Safety Officer is making an effort to monitor site safety, and has designated a Field Team Leader to assist with the responsibility when necessary.

10.2 Health & Safety Manager

Maureen Grant

The Health & Safety Manager shall be responsible for the overall coordination and oversight of the site safety plan. Specific duties will include:

- approving the selection of the types of personal protective equipment (PPE) to be used on site for specific tasks,
- monitoring the compliance activities and the documentation processes undertaken by the Site Safety Officer,
- evaluating weather and chemical hazard information and making recommendations to the Project Manager about any modifications to work plans or personal protection levels in order to maintain personnel safety,
- coordinate upgrading or downgrading PPE with Site Safety Officer, as necessary, due to changes in exposure levels, monitoring results, weather, other site conditions,
- approving all field personnel working on site, taking into consideration their level of safety training, their physical capacity, and their eligibility to wear the protective equipment necessary for their assigned tasks (i.e.: Respirator Fit Testing Results), and,
- overseeing the air monitoring procedures as they are carried out by site personnel for compliance with all company health and safety policies.

10.3 Site Safety Officer

Jonathan Parker

The Site Safety Officer shall be responsible for the implementation of the site safety plan on site. Specific duties will include:

- monitoring the compliance of field personnel for the routine and proper use of the PPE that has been designated for each task,
- routinely inspecting PPE and clothing to ensure that it is in good condition and is being stored and maintained properly,
- stopping work on the site or changing work assignments or procedures if any operation threatens the health and safety of workers or the public,
- monitoring personnel who enter and exit the site and all controlled access points,
- reporting any signs of fatigue, work-related stress, or chemical exposures to the Project Manager and/or Health & Safety Manager,
- dismissing field personnel from the site if their actions or negligence endangers themselves, co-workers, or the public, and reporting the same to the Project Manager and/or Health & Safety Manager,
- reporting any accidents or violations of the site safety plan to the Project Manager and/or Health & Safety Manager, and documenting the same for the project in the project records,
- knowing emergency procedures, evacuation routes and the telephone numbers of the ambulance, local hospital, poison control center, fire and police departments,
- ensuring that all project-related personnel have signed the personnel agreement and acknowledgments form contained in this site safety plan,
- coordinate upgrading and downgrading PPE with the Health & Safety Manager, as necessary, due to changes in exposure levels, monitoring results, weather, and other site conditions, and
- perform air monitoring with approved instruments in accordance with requirements stated in this Site Safety Plan (see monitoring procedures on page 20 for specific information).

10.4 Field Team Leader

Jonathan Parker

In the event that the Project Manager and the Site Safety Officer are not on site, the Field Team Leader will assume all responsibility of the Site Safety Officer.

10.5 Other Field Personnel

Scott Doolittle

Technician staff is responsible for system maintenance, calibration and system operation. Records of site visits documenting system conditions are maintained by the technicians. All field personnel shall be responsible for acting in compliance with all safety procedures outlined in the site safety plan. Any hazardous work situations or procedures should be reported to the Site Safety Officer so that corrective steps can be taken.

10.6 Medical/Technical Advisors

Frank H. Lawrence, M.D.
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The specific duties of the Medical/Technical Advisors include:

- providing technical input into the design of the site safety plan,
- advising worker exposure potential along with appropriate hazard reduction methods, and
- recommending a suitable medical monitoring program for the site workers.

APPENDIX A

(Agreement and Acknowledgment Statement)

GROUNDWATER TECHNOLOGY, INC.

SIGN - OFF SHEETS

This is to certify that I have read, fully understand and agree to comply fully with the attached Health and Safety Plan furnished to me by Groundwater Technology, Inc. for the above project.

NAME	SIGNATURE	COMPANY	DATE

APPENDIX B

(Site Safety Plan Amendment Sheet)

APPENDIX B

Site Safety Plan Amendment Sheet

Project Name:_____

Project Number: _____

Location:_____

Changes in field activities or hazards:

Proposed Amendment:

Proposed by:_____ Date:_____

Approved by:___ Date:_____
Project Manager

_____ Date:_____
Health & Safety Manager

Declined by:_____ Date:_____

Amendment Number:_____

Amendment Effective Date:_____

APPENDIX C

(Definition of Hazard Evaluation Guidelines)

APPENDIX C

Definition of Hazard Evaluation Guidelines

Hazard: Airborne Contaminants

Guideline	Explanation
Threshold Limit Value Time-Weighted Average (TLV-TWA)	The time-weighted average concentration for a normal 8-hour work day and a 40-hour work week, to which nearly all workers may be repeatedly exposed without adverse effect.
Permissible Exposure Limit (PEL)	Time-weighted average concentrations similar to (and in many cases derived from) the Threshold Limit Values.
Immediately Dangerous to Life and Health (IDLH)	"IDLH" or "Immediately dangerous to life or health" means any atmospheric condition that poses an immediate threat to life, or which is likely to result in acute or immediate severe health effects. This includes oxygen deficiency conditions.

Hazard: Explosion

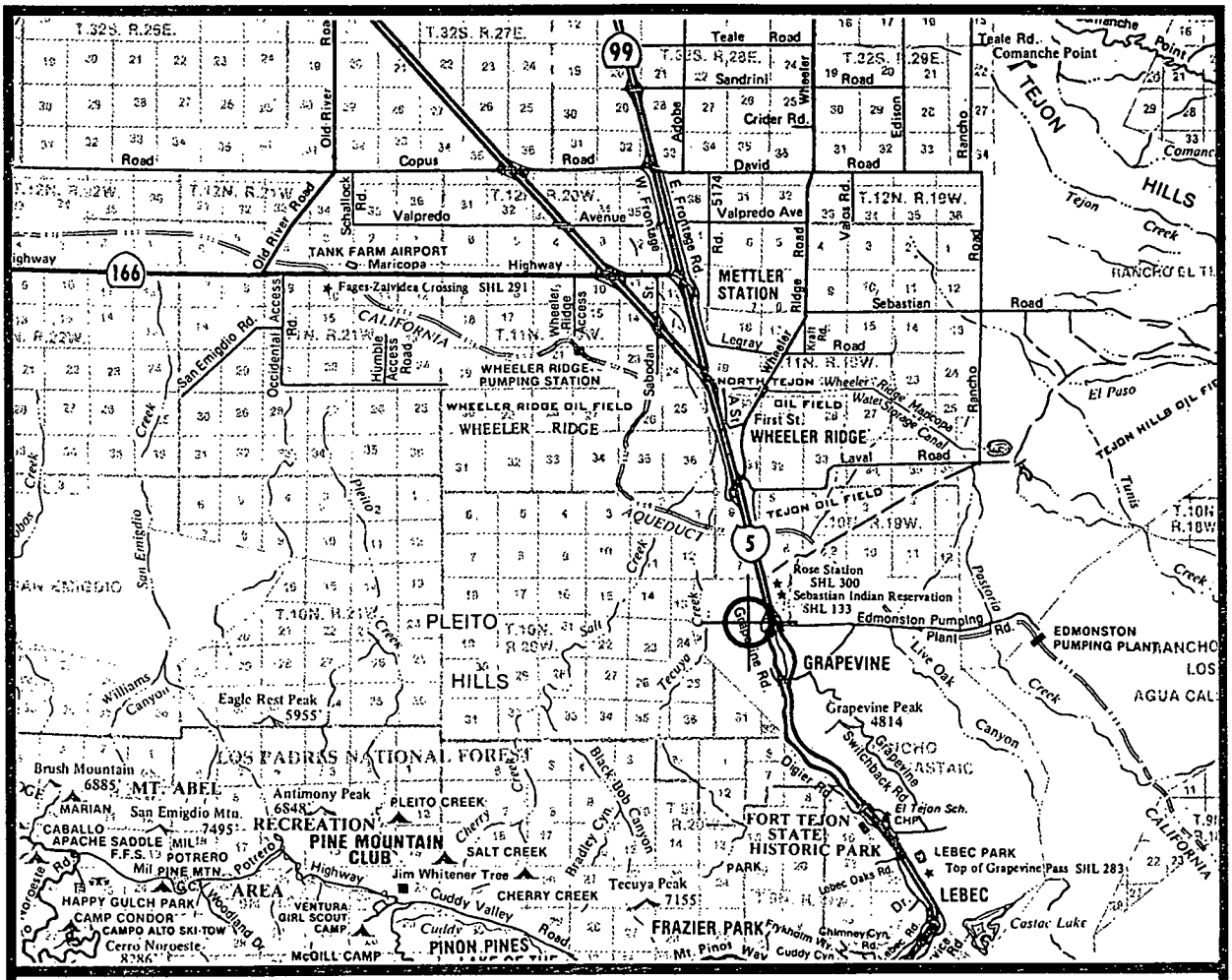
Guideline	Explanation
Lower Explosive Limit	The minimum concentration of (LEL) vapor in air below which propagation of a flame will not occur in the presence of an ignition source.
Upper Explosive Limit (UEL)	The maximum concentration of vapor in air above which propagation of a flame will not occur in the presence of an ignition source.

Hazard: Fire

Guideline	Explanation
Flash Point (flash p)	The lowest temperature at which the vapor of a combustible liquid can be made to ignite momentarily in air.

APPENDIX D

(site maps)



Site

N

SCALE:

4 0 2 4

miles

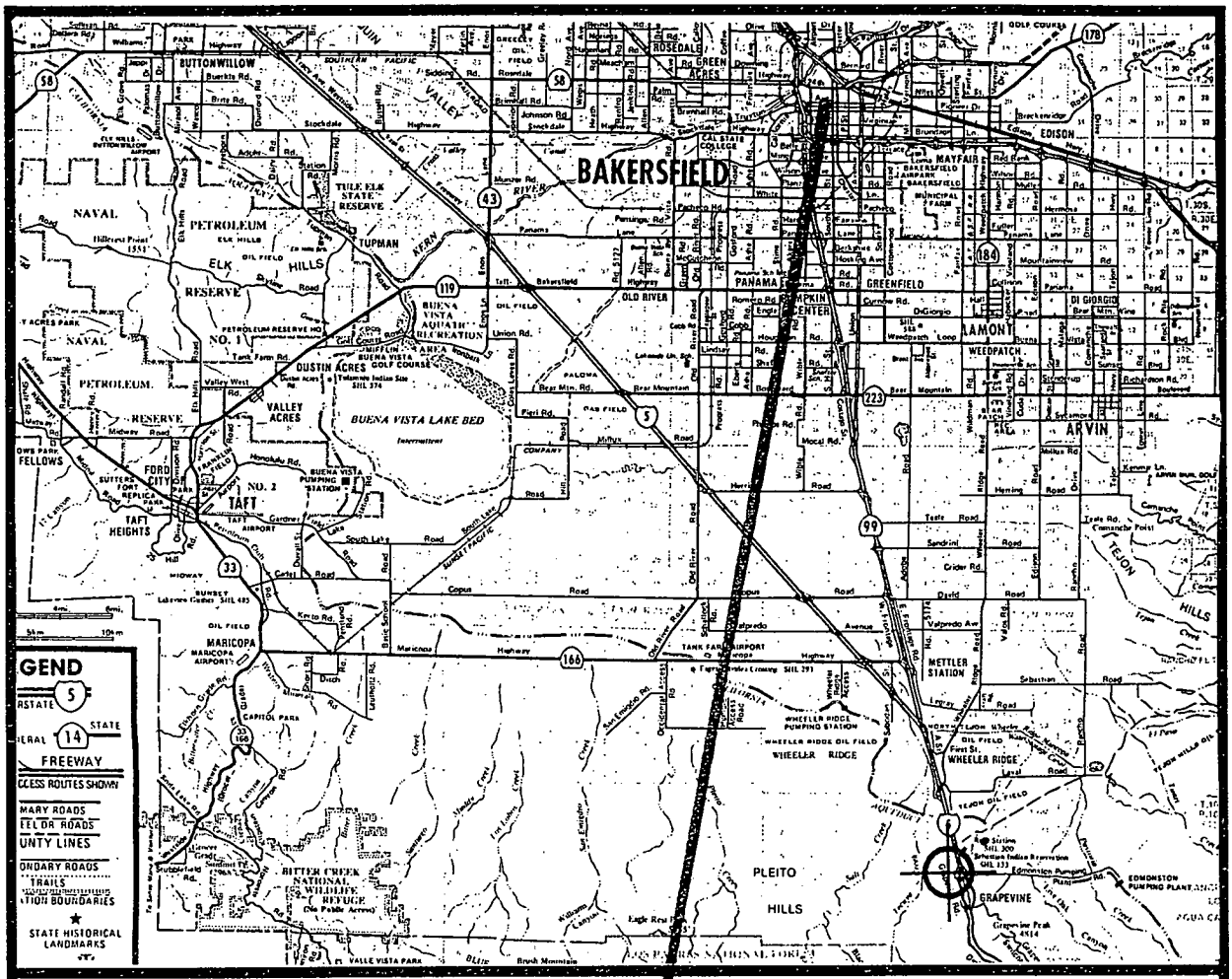
Source: Hoven & Co. Inc.

SITE: Texaco Lebec			JOB #
SITE LOC: Grapevine Rd. & D Street Lebec, California			
MAP TYPE: Location Index			
DRAWN BY: ET	DATE: 5/91	APPROVED BY: JDP	DATE: 5/91

REV	REVISION	DATE	BY

FIGURE 1

GROUNDWATER TECHNOLOGY



Site

Hospital

N

SCALE:

6.5 0 3.25 6.5

miles

Source: Hoven & Co. Inc.

SITE: Texaco Lebec			JOB #
SITE LOC: Grapevine Rd. & D Street Lebec, California			
MAP TYPE: Hospital Location			
DRAWN BY: ET	DATE: 5/91	APPROVED BY: JDP	DATE: 5/91

REV	REVISION	DATE	BY

FIGURE 2

GROUNDWATER TECHNOLOGY

APPENDIX E

(MSDS)

Material Safety Data Sheet

From Genium's Reference Collection
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(518) 377-8855

GENIUM PUBLISHING CORP.

No. 316

BENZENE
(Revision D)
Issued: November 1978
Revised: April 1988

SECTION 1. MATERIAL IDENTIFICATION

25

Material Name: BENZENE

Description (Origin/Uses): Used in the manufacture of medicinal chemicals, dyes, linoleum, airplane dopes, varnishes, and lacquers; and as a solvent for waxes, resins, and oils.

Other Designations: Benzol; Phene; Phenylhydride; C_6H_6; NIOSH *RTECS* No. CY1400000; CAS No. 0071-43-2

HMIS

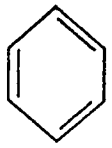
H	2		
F	3	R	1
R	0	I	4
PPG*		S	2
*See sect. 8		K	4

Manufacturer: Contact your supplier or distributor. Consult the latest edition of the *Chemicalweek Buyers' Guide* (Genium ref. 73) for a list of suppliers.

SECTION 2. INGREDIENTS AND HAZARDS

%	EXPOSURE LIMITS
Ca 100	OSHA PEL 8-Hr TWA: 1 ppm 15-Min Ceiling: 5 ppm Action Level: 0.5 ppm ACGIH TLV, 1987-88 TLV-TWA: 10 ppm, 30 mg/m³ Toxicity Data* Human, Inhalation, LC_{Lo}: 2000 ppm/5 Min Human, Oral, TD_{Lo}: 130 mg/kg Human, Inhalation, TC_{Lo}: 210 ppm

Benzene, CAS No. 0071-43-2



*See NIOSH, *RTECS*, for additional data with references to irritative, mutagenic, tumorigenic, and reproductive effects.

SECTION 3. PHYSICAL DATA

Boiling Point: 176°F (80°C)
Melting Point: 42°F (5.5°C)
Vapor Pressure: 75 Torrs at 68°F (20°C)
Vapor Density (Air = 1): >1

Water Solubility (%): Slight
% Volatile by Volume: 100
Molecular Weight: 78 Grams/Mole
Specific Gravity (H_2O = 1): 0.87865 at 68°F (20°C)

Appearance and Odor: A colorless liquid; characteristic aromatic odor.

SECTION 4. FIRE AND EXPLOSION DATA

Flash Point and Method	Autoignition Temperature	Flammability Limits in Air	LOWER	UPPER
12°F (-11.1°C) CC	928°F (498°C)	% by Volume	1.3%	7.1%

Extinguishing Media: Use dry chemical, foam, or carbon dioxide to put out benzene fires. Water may be ineffective as an extinguishing agent because it can scatter and spread the fire. Use water to cool fire-exposed containers, flush spills away from exposures, disperse benzene vapor, and protect personnel attempting to stop an unignited benzene leak.

Unusual Fire or Explosion Hazards: Benzene vapor is heavier than air and can collect in low-lying areas such as sumps or wells. Eliminate all sources of ignition there to prevent a dangerous flashback to the original liquid benzene. **Danger:** Explosive and flammable benzene vapor-air mixtures can easily form at room temperature; always use this material in a way that minimizes dispersion of its vapor into general work areas.

Special Fire-fighting Procedures: Wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in the pressure-demand or positive-pressure mode.

SECTION 5. REACTIVITY DATA

Benzene is stable in closed containers during routine operations. It does not undergo hazardous polymerization.

Chemical Incompatibilities: Hazardous chemical reactions involving benzene and the following materials are reported in Genium reference 84: bromine pentafluoride, chlorine, chlorine trifluoride, chromic anhydride, nitryl perchlorate, oxygen, ozone, perchlorates, perchloryl fluoride and aluminum chloride, permanganates and sulfuric acid, potassium peroxide, silver perchlorate, and sodium peroxide.

Conditions to Avoid: Avoid all exposure to sources of ignition and to incompatible chemicals.

Hazardous Products of Decomposition: Toxic gases like carbon monoxide (CO) may be produced during benzene fires.

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SECTION 6. HEALTH HAZARD INFORMATION

Benzene is listed as a suspected human carcinogen by the ACGIH.

Summary of Risks: Prolonged skin contact with benzene or excessive inhalation of its vapor may cause headache, weakness, loss of appetite, and lassitude. Continued exposure can cause collapse, bronchitis, and pneumonia. The most important health hazards are cancer (leukemia), bone marrow effects, and injuries to the blood-forming tissue from chronic low-level exposure.

Medical Conditions Aggravated by Long-Term Exposure: Ailments of the heart, lungs, liver, kidneys, blood, and central nervous system (CNS) may be worsened by exposure. Administer preplacement and periodic medical exams emphasizing these organs' functions and reassign workers who test positive. **Target Organs:** Blood, CNS, bone marrow, eyes, and upper respiratory tract (URT). **Primary Entry:** Skin contact, inhalation. **Acute Effects:** Dizziness, mental dullness, nausea, headache, fatigue, and giddiness. **Chronic Effects:** Possible cancer (leukemia).

FIRST AID

Eyes: Immediately flush eyes, including under the eyelids, gently but thoroughly with plenty of running water for at least 15 minutes.

Skin: Immediately wash the affected area with soap and water.

Inhalation: Remove the exposed person to fresh air; restore and/or support his or her breathing as needed.

Ingestion: Never give anything by mouth to someone who is unconscious or convulsing. Do not induce vomiting because of the possibility of aspiration.

GET MEDICAL HELP (IN PLANT, PARAMEDIC, COMMUNITY) FOR ALL EXPOSURES. Seek prompt medical assistance for further treatment, observation, and support after first aid.

SECTION 7. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill/Leak: Notify safety personnel, provide ventilation, and eliminate all sources of ignition immediately. Cleanup personnel need protection against contact with and inhalation of vapor (see sect. 8). Contain large spills and collect waste or absorb it with an inert material such as sand, earth, or vermiculite. Use nonsparking tools to place waste liquid or absorbent into closable containers for disposal. Keep waste out of sewers, watersheds, and waterways.

Waste Disposal: Contact your supplier or a licensed contractor for detailed recommendations for disposal. Follow Federal, state, and local regulations.

OSHA Designations
Air Contaminant (29 CFR 1910.1000 Subpart Z)
EPA Designations (40 CFR 302.4)
RCRA Hazardous Waste, No. U019
CERCLA Hazardous Substance, Reportable Quantity: 1000 lbs (454 kg)

SECTION 8. SPECIAL PROTECTION INFORMATION

Goggles: Always wear protective eyeglasses or chemical safety goggles. Where splashing is possible, wear a full face shield. Follow the eye- and face-protection guidelines in 29 CFR 1910.133. **Respirator:** Wear a NIOSH-approved respirator per the *NIOSH Pocket Guide to Chemical Hazards* for the maximum-use concentrations and/or the exposure limits cited in section 2. Follow the respirator guidelines in 29 CFR 1910.134. For emergency or nonroutine use (e.g., cleaning reactor vessels or storage tanks), wear an SCBA with a full facepiece operated in the pressure-demand or positive-pressure mode. **Warning:** Air-purifying respirators will *not* protect workers in oxygen-deficient atmospheres. **Other:** Wear impervious gloves, boots, aprons, gauntlets, etc., to prevent any possibility of skin contact with this suspected human carcinogen. **Ventilation:** Install and operate general and local ventilation systems powerful enough to maintain airborne levels of benzene below the OSHA PEL standard cited in section 2.

Safety Stations: Make eyewash stations, washing facilities, and safety showers available in use and handling areas. **Contaminated Equipment:** Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them. Do *not* wear contact lenses in any work area. Remove contaminated clothing and launder it before wearing it again; clean this material from shoes and equipment. **Comments:** Practice good personal hygiene; always wash thoroughly after using this material. Keep it off of your clothing and equipment. Avoid transferring it from your hands to your mouth while eating, drinking, or smoking. Do *not* eat, drink, or smoke in any work area. Do not inhale benzene vapor!

SECTION 9. SPECIAL PRECAUTIONS AND COMMENTS

Storage/Segregation: Store benzene in a cool, dry, well-ventilated area away from sources of ignition and incompatible chemicals.

Special Handling/Storage: Protect containers from physical damage. Electrically ground and bond all metal containers used in shipping or transferring operations. Follow all parts of 29 CFR 1910.1028.

Engineering Controls: All engineering systems (production, transportation, etc.) must be of maximum explosion-proof design (non-sparking, electrically grounded and bonded, etc.)

Comments: If possible, substitute less toxic solvents for benzene; use this material with extreme caution and only if it is absolutely essential.

Transportation Data (49 CFR 172.101-2)
DOT Shipping Name: Benzene
DOT Class: Flammable Liquid
DOT Label: Flammable Liquid
DOT ID No. UN1114
IMO Label: Flammable Liquid
IMO Class: 3.2

References: 1, 2, 12, 73, 84-94, 100, 103.

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Prepared by PJ Igoe, BS
Industrial Hygiene Review: DJ Wilson, CIH
Medical Review: MJ Hardies, MD

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GENIUM PUBLISHING CORP.

TOLUENE
(Revision D)

Issued: August 1979
Revised: April 1986

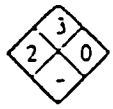
SECTION 1. MATERIAL IDENTIFICATION

MATERIAL NAME: TOLUENE

OTHER DESIGNATIONS: Methyl Benzene, Methyl Benzol, Phenylmethane, Toluol, C_7H_8, CAS #0108-88-3

MANUFACTURER/SUPPLIER: Available from many suppliers, including:
Allied Corp., PO Box 2064R, Morristown, NJ 07960; Telephone: (201) 455-4400
Ashland Chemical Co., Industrial Chemicals & Solvents Div., PO Box 2219, Columbus, OH; Telephone: (614) 889-3844

HMIS
H: 2
F: 3
R: 0
PPE*
*See sect. 8



R 1
I 3
S 2
K 4

SECTION 2. INGREDIENTS AND HAZARDS*

	%	HAZARD DATA
Toluene	ca 100	8-hr TLV: 100 ppm, or 375 mg/m^3* (Skin)** --- Man, Inhalation, TCLo: 100 ppm: Psychotropic*** --- Rat, Oral, LD_{50}: 5000 mg/kg Rat, Inhalation, LCLo: 4000 ppm/4 hrs. Rabbit, Skin, LD_{50}: 14 gm/kg --- Human, Eye: 300 ppm

* Current (1985-86) ACGIH TLV. The OSHA PEL is 200 ppm with an acceptable ceiling concentration of 300 ppm and an acceptable maximum peak of 500 ppm/10 minutes.

** Skin designation indicates that toluene can be absorbed through intact skin and contribute to overall exposure.

*** Affects the mind.

SECTION 3. PHYSICAL DATA

Boiling Point ... 231°F (111°C)
Vapor Pressure @ 20°C, mm Hg ... 22
Water Solubility @ 20°C, wt. % ... 0.05
Vapor Density (Air = 1) ... 3.14
Evaporation Rate (BuAc = 1) ... 2.24
Specific Gravity (H_2O = 1) ... 0.866
Melting Point ... -139°F (-95°C)
Percent Volatile by Volume ... ca 100
Molecular Weight ... 92.15

Appearance and odor: Clear, colorless liquid with a characteristic aromatic odor. The odor is detectable to most individuals in the range of 10 to 15 ppm. Because olfactory fatigue occurs rapidly upon exposure to toluene, odor is not a good warning property.

SECTION 4. FIRE AND EXPLOSION DATA

Flash Point and Method	Autoignition Temp.	Flammability Limits In Air	LOWER	UPPER
		% by Volume		
40°F (4°C) CC	896°F (480°C)		1.27	7.1

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, alcohol foam. Do not use a solid stream of water because the stream will scatter and spread the fire. Use water spray to cool tanks/containers that are exposed to fire and to disperse vapors.

UNUSUAL FIRE/EXPLOSION HAZARDS: This OSHA class IB flammable liquid is a dangerous fire hazard. It is a moderate fire hazard when exposed to oxidizers, heat, sparks, or open flame. Vapors are heavier than air and may travel a considerable distance to an ignition source and flash back.

SPECIAL FIRE-FIGHTING PROCEDURES: Fire fighters should wear self-contained breathing apparatus with full facepiece operated in a positive-pressure mode when fighting fires involving toluene.

SECTION 5. REACTIVITY DATA

CHEMICAL INCOMPATIBILITIES: Toluene is stable in closed containers at room temperature under normal storage and handling conditions. It does not undergo hazardous polymerization. This material is incompatible with strong oxidizing agents, dinitrogen tetraoxide, silver perchlorate, tetranitromethane, and uranium hexafluoride. Contact with these materials may cause fire or explosion. Nitric acid and toluene, especially in the presence of sulfuric acid, will produce nitrated compounds that are dangerously explosive.

CONDITIONS TO AVOID: Avoid exposure to sparks, open flame, hot surfaces, and all sources of heat and ignition. Toluene will attack some forms of plastics, rubber, and coatings. Thermal decomposition or burning produces carbon dioxide and/or carbon monoxide.

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SECTION 6. HEALTH HAZARD INFORMATION [TLV]

Toluene is not considered a carcinogen by the NTP, IARC, or OSHA. SUMMARY OF RISKS: Vapors of toluene may cause irritation of the eyes, nose, upper respiratory tract, and skin. Exposure to 200 ppm for 8 hours causes mild fatigue, weakness, confusion, lacrimation (tearing) and paresthesia (a sensation of prickling, tingling, or creeping on the skin that has no objective cause). Exposure to higher concentrations may cause headache, nausea, dizziness, dilated pupils, and euphoria, and, in severe cases, may cause unconsciousness and death. The liquid is irritating to the eyes and skin. Contact with the eyes may cause transient corneal damage, conjunctival irritation, and burns if not promptly removed. Repeated and/or prolonged contact with the skin may cause drying and cracking. It may be absorbed through the skin in toxic amounts. Ingestion causes irritation of the gastrointestinal tract and may cause effects resembling those from inhalation of the vapor. Chronic overexposure to toluene may cause reversible kidney and liver injury. FIRST AID: EYE CONTACT: Immediately flush eyes, including under eyelids, with running water for at least 15 minutes. Get medical attention if irritation persists.* SKIN CONTACT: Immediately flush skin (for at least 15 minutes) while removing contaminated shoes and clothing. Wash exposed area with soap and water. Get medical attention if irritation persists or if a large area has been exposed.* INHALATION: Remove victim to fresh air. Restore and/or support breathing as required. Keep victim warm and quiet. Get medical help.* INGESTION: Give victim 1 to 2 glasses of water or milk. Contact a poison control center. Do not induce vomiting unless directed to do so. Transport victim to a medical facility. Never give anything by mouth to a person who is unconscious or convulsing. * GET MEDICAL ASSISTANCE - In plant, paramedic, community. Get medical help for further treatment, observation, and support after first aid, if indicated.

SECTION 7. SPILL, LEAK, AND DISPOSAL PROCEDURES

SPILL/LEAK: Notify safety personnel of large spills or leaks. Remove all sources of heat and ignition. Provide maximum explosion-proof ventilation. Limit access to spill area to necessary personnel only. Remove leaking containers to safe place if feasible. Cleanup personnel need protection against contact with liquid and inhalation of vapor (see sect. 8). WASTE DISPOSAL: Absorb small spills with paper towel or vermiculite. Contain large spills and collect if feasible, or absorb with vermiculite or sand. Place waste solvent or absorbent into closed containers for disposal using nonsparking tools. Liquid can be flushed with water to an open holding area for handling. Do not flush to sewer, watershed, or waterway. COMMENTS: Place in suitable container for disposal by a licensed contractor or burn in an approved incinerator. Consider reclaiming by distillation. Contaminated absorbent can be buried in a sanitary landfill. Follow all Federal, state, and local regulations. TLm 96: 100-10 ppm. Toluene is designated as a hazardous waste by the EPA. The EPA (RCRA) HW No. is U220 (40 CFR 261). The reportable quantity (RQ) is 1000 lbs/454 kg (40 CFR 117).

SECTION 8. SPECIAL PROTECTION INFORMATION

Provide general and local exhaust ventilation to meet TLV requirements. Ventilation fans and other electrical service must be nonsparking and have an explosion-proof design. Exhaust hoods should have a face velocity of at least 100 lfm (linear feet per minute) and be designed to capture heavy vapor. For emergency or nonroutine exposures where the TLV may be exceeded, use an organic chemical cartridge respirator if concentration is less than 200 ppm and an approved canister gas mask or self-contained breathing apparatus with full facepiece if concentration is greater than 200 ppm.
Safety glasses or splash goggles should be worn in all work areas. Neoprene gloves, apron, face shield, boots, and other appropriate protective clothing and equipment should be available and worn as necessary to prevent skin and eye contact. Remove contaminated clothing immediately and do not wear it until it has been properly laundered.

Eyewash stations and safety showers should be readily available in use and handling areas.

Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.

SECTION 9. SPECIAL PRECAUTIONS AND COMMENTS

STORAGE SEGREGATION: Store in a cool, dry, well-ventilated area away from oxidizing agents, heat, sparks, or open flame. Storage areas must meet OSHA requirements for class IB flammable liquids. Use metal safety cans for handling small amounts. Protect containers from physical damage. Use only with adequate ventilation. Avoid contact with eyes, skin, or clothing. Do not inhale or ingest. Use caution when handling this compound because it can be absorbed through intact skin in toxic amounts. SPECIAL HANDLING/STORAGE: Ground and bond metal containers and equipment to prevent static sparks when making transfers. Do not smoke in use or storage areas. Use nonsparking tools. ENGINEERING CONTROLS: Preplacement and periodic medical exams emphasizing the liver, kidneys, nervous system, lungs, heart, and blood should be provided. Workers exposed to concentrations greater than the action level (50 ppm) should be examined at least once a year. Use of alcohol can aggravate the toxic effects of toluene.
COMMENTS: Emptied containers contain product residues. Handle accordingly!
Toluene is designated as a hazardous substance by the EPA (40 CFR 116). DOT Classification: Flammable liquid. UN1294.
Data Source(s) Code: 1-9, 12, 16, 20, 21, 24, 26, 34, 81, 82, CR

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Approvals JO. Peterson, 11/86.
Indust. Hygiene/Safety DW 10-86
Medical Review

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Material Safety Data Sheet

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GENIUM PUBLISHING CORP.

No. 318

XYLENE (Mixed Isomers)
(Revision D)
Issued: November 1980
Revised: August 1988

SECTION 1. MATERIAL IDENTIFICATION

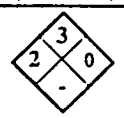
Material Name: XYLENE (Mixed Isomers)

Description (Origin/Uses): Used as a raw material for the production of benzoic acid, phthalic anhydride, isophthalic and terephthalic acids and their dimethyl esters in the manufacture of polyester fibers; in sterilizing catgut; with Canadian balsam as oil-immersion in microscopy; and as a cleaning agent in microscopic techniques.

Other Designations: Dimethylbenzene; Xylol; C_8H_{10}; CAS No. 1330-20-7

Manufacturer: Contact your supplier or distributor. Consult the latest edition of the *Chemicalweek Buyers' Guide* (Genium ref. 73) for a list of suppliers.

Comments: Although there are three different isomers of xylene (*ortho*, *meta*, and *para*), the health and physical hazards of all three isomers are very similar. This MSDS is written for a xylene mixture of all three isomers, which is usually commercial xylene.



NFPA

HMIS	
H 2	R 1
F 3	I 3
R 0	S 2
PPG*	K 3

*See sect. 8

SECTION 2. INGREDIENTS AND HAZARDS

Xylene (Mixed Isomers), CAS No. 1330-20-7*	%	EXPOSURE LIMITS
	**	IDLH*** Level: 1000 ppm
o-Xylene, CAS No. 0095-47-6 *m*-Xylene, CAS No. 0108-38-3 *p*-Xylene, CAS No. 0106-42-3		OSHA PEL 8-Hr TWA: 100 ppm, 435 mg/m³ ACGIH TLVs, 1987-88 TLV-TWA: 100 ppm, 435 mg/m³ TLV-STEL: 150 ppm, 655 mg/m³
**Check with your supplier to determine if there are additions, contaminants, or impurities (such as benzene) that are present in reportable quantities per 29 CFR 1910.		
***Immediately dangerous to life and health.		
**** See NIOSH, *RTECS* (No. ZE2100000), for additional data with references to reproductive, irritative, and mutagenic effects.		Toxicity Data**** Human, Inhalation, TC_{Lo}: 200 ppm Man, Inhalation, LC_{Lo}: 10000 ppm/6 Hrs Rat, Oral, LD_{50}: 4300 mg/kg

SECTION 3. PHYSICAL DATA

Boiling Point: 275°F to 293°F (135°C to 145°C)*
Melting Point: -13°F (-25°C)
Evaporation Rate: 0.6 Relative to BuAc = 1
Specific Gravity (H_2O = 1): 0.86

Water Solubility (%): Insoluble
Molecular Weight: 106 Grams/Mole
% Volatile by Volume: Ca 100
Vapor Pressure: 7 to 9 Torrs at 63°F (20°C)
Vapor Density (Air = 1): 3.7

Appearance and Odor: A clear liquid; aromatic hydrocarbon odor.

*Materials with wider and narrower boiling ranges are commercially available.

SECTION 4. FIRE AND EXPLOSION DATA

Flash Point and Method	Autoignition Temperature	Flammability Limits in Air	LOWER	UPPER
81°F to 90°F (27°C to 32°C)	867°F (464°C)	% by Volume	1%	7%

Extinguishing Media: Use foam, dry chemical, or carbon dioxide. Use water sprays to reduce the rate of burning and to cool containers.

Unusual Fire or Explosion Hazards: Xylene vapor is heavier than air and may travel a considerable distance to a low-lying source of ignition and flash back.

Special Fire-fighting Procedures: Wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in the pressure-demand or positive-pressure mode.

SECTION 5. REACTIVITY DATA

Xylene is stable in closed containers during routine operations. It does not undergo hazardous polymerization.

Chemical Incompatibilities: This material may react dangerously with strong oxidizers.

Conditions to Avoid: Avoid any exposure to sources of ignition and to strong oxidizers.

Hazardous Products of Decomposition: Carbon monoxide (CO) may be evolved during xylene fires.

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SECTION 6. HEALTH HAZARD INFORMATION

Xylene is not listed as a carcinogen by the IARC, NTP, or OSHA.
Summary of Risks: Liquid xylene is a skin irritant and causes erythema, dryness, and defatting; prolonged contact may cause blistering. Inhaling xylene can depress the central nervous system (CNS), and ingesting it can result in gastrointestinal disturbance; and possibly hematemesis (vomiting blood). Effects on the eyes, kidneys, liver, lungs, and the CNS are also reported. **Medical Conditions Aggravated by Long-Term Exposure:** Problems with eyes, skin, central nervous system, kidneys, and liver may be worsened by exposure to xylene. **Target Organs:** CNS, eyes, gastrointestinal tract, blood, liver, kidneys, skin. **Primary Entry:** Inhalation, skin contact/absorption. **Acute Effects:** Dizziness; excitement; drowsiness; incoordination; staggering gait; irritation of eyes, nose, and throat; corneal vacuolization; anorexia; nausea; vomiting; abdominal pain; and dermatitis. **Chronic Effects:** Reversible eye damage, headache, loss of appetite, nervousness, pale skin, and skin rash.
FIRST AID: Eyes. Immediately flush eyes, including under the eyelids, gently but thoroughly with plenty of running water for at least 15 minutes. **Skin.** Immediately wash the affected area with soap and water. **Inhalation.** Remove the exposed person to fresh air; restore and/or support his or her breathing as needed. Have a trained person administer oxygen. **Ingestion.** Never give anything by mouth to someone who is unconscious or convulsing. Vomiting may occur spontaneously, but do not induce it. If vomiting should occur, keep exposed person's head below his or her hips to prevent aspiration (breathing the liquid xylene into the lungs). Severe hemorrhagic pneumonitis with grave, possibly fatal, pulmonary injury can occur from aspiring very small quantities of xylene.

GET MEDICAL HELP (IN PLANT, PARAMEDIC, COMMUNITY) FOR ALL EXPOSURES. Seek prompt medical assistance for further treatment, observation, and support after first aid. If exposure is severe, hospitilization for at least 72 hours with careful monitoring for delayed onset of pulmonary edema is recommended.

SECTION 7. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill/Leak: Notify safety personnel, provide ventilation, and eliminate all sources of ignition immediately. Cleanup personnel need protection against contact with and inhalation of xylene vapor (see sect. 8). Contain large spills and collect waste or absorb it with an inert material such as sand, earth, or vermiculite. Use nonsparking tools to place waste liquid or absorbent into closable containers for disposal. Keep waste out of sewers, watersheds, and waterways.
Waste Disposal: Contact your supplier or a licensed contractor for detailed recommendations. Follow Federal, state, and local regulations.
OSHA Designations
Air Contaminant (29 CFR 1910.1000 Subpart Z)
EPA Designations (40 CFR 302.4)
RCRA Hazardous Waste, No. U239
CERCLA Hazardous Substance, Reportable Quantity: 1000 lbs (454 kg), per the Clean Water Act (CWA), section 311 (b) (9)

SECTION 8. SPECIAL PROTECTION INFORMATION

Goggles: Always wear protective eyeglasses or chemical safety goggles. Where splashing is possible, wear a full face shield as a supplementary protective measure. Follow OSHA eye- and face-protection regulations (29 CFR 1910.133). **Respirator:** Use a NIOSH-approved respirator per the *NIOSH Pocket Guide to Chemical Hazards* for the maximum-use concentrations and/or the exposure limits cited in section 2. Follow OSHA respirator regulations (29 CFR 1910.134). For emergency or nonroutine use (leaks or cleaning reactor vessels and storage tanks), wear an SCBA with a full facepiece operated in the pressure-demand or positive-pressure mode. **Warning:** Air-purifying respirators will *not* protect workers in oxygen-deficient atmospheres. **Other:** Wear impervious gloves, boots, aprons, gauntlets, etc., as required by the specifics of the work operation to prevent prolonged or repeated skin contact with xylene. **Ventilation:** Install and operate general and local maximum, explosion-proof ventilation systems powerful enough to maintain airborne levels of xylene below the OSHA PEL standard cited in section 2. Local exhaust ventilation is preferred because it prevents dispersion of xylene into general work areas by eliminating it at its source. Consult the latest edition of Genium reference 103 for detailed recommendations. **Safety Stations:** Make eyewash stations, safety/quick-drench showers, and washing facilities available in areas of use and handling. **Contaminated Equipment:** Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them. Do *not* wear contact lenses in any work area. Remove contaminated clothing and launder it before wearing it again; clean xylene from shoes and equipment. **Comments:** Practice good personal hygiene; always wash thoroughly after using this material. Keep it off of your clothing and equipment. Avoid transferring it from your hands to your mouth while eating, drinking, or smoking. Do *not* eat, drink, or smoke in any work area. Do not inhale xylene vapor.

SECTION 9. SPECIAL PRECAUTIONS AND COMMENTS

Storage/Segregation: Store xylene in a cool, dry, well-ventilated area away from sources of ignition and strong oxidizers. Protect containers from physical damage.

Special Handling/Storage: Make sure all engineering systems (production, transportation) are of maximum explosion-proof design. Ground and bond all containers, pipelines, etc., used in shipping, transferring, reacting, producing, and sampling operations.

Transportation Data (49 CFR 172.101-2)
DOT Shipping Name: Xylene
DOT ID No. UN1307
DOT Label: Flammable Liquid
DOT Hazard Class: Flammable Liquid
IMO Label: Flammable Liquid
IMO Class: 3.2 or 3.3

References: 1, 2, 12, 73, 84-94, 100, 103.

Judgments as to the suitability of information herein for purchaser's purposes are necessarily purchaser's responsibility. Therefore, although reasonable care has been taken in the preparation of such information, Genium Publishing Corp. extends no warranties, makes no representations and assumes no responsibility as to the accuracy or suitability of such information for application to purchaser's intended purposes or for consequences of its use.

Prepared by PJ Igoe, BS
Industrial Hygiene Review: DJ Wilson, CIH
Medical Review: MJ Hardies, MD

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MATERIAL SAFETY DATA SHEET

GENIUM PUBLISHING CORPORATION
1145 CATALYN STREET
SCHENECTADY, NY 12303-1836 USA
(518) 377-8855

GENIUM PUBLISHING CORP

NO. 385

ETHYL BENZENE

Date August 1978

SECTION I. MATERIAL IDENTIFICATION

MATERIAL NAME: ETHYL BENZENE
OTHER DESIGNATIONS: Phenylethane, Ethylbenzol, $C_2H_5C_6H_5$, CAS# 000 100 414
MANUFACTURER: Available from several suppliers.

SECTION II. INGREDIENTS AND HAZARDS	%	HAZARD DATA
Ethyl Benzene	ca 100	8-hr TWA 100 ppm*
*Current OSHA permissable exposure level. A Standard was proposed by OSHA in October 1975 which includes an action level of 50 ppm, and detailed requirements of monitoring, medical surveillance, employee training, etc., when exposure exceeds 50 ppm. It has not yet issued as a legal requirement.		Human, inhalation TCLo 100 ppm for 8 hr (irritation) Rat, Oral LD_{50} 3500 mg/kg

SECTION III. PHYSICAL DATA

Boiling point at 1 atm, deg C	136	Specific gravity 20/4C	0.867
Vapor pressure at 25.9 C, mm Hg	10	Volatiles, %	ca 100
Vapor density (Air=1)	3.66	Evaporation rate (BuAc=1)	<1
Water solubility at 20 C Wt. %	0.015	Melting point, deg C	-95
		Molecular weight	106.16

Appearance & Odor: Clear, colorless liquid with an aromatic hydrocarbon odor.

SECTION IV. FIRE AND EXPLOSION DATA

Flash Point and Method	Autoignition Temp.	Flammability Limits In Air Volume %	LOWER	UPPER
59 F (15 C) (closed cup)	810 F (432 C)		1.0	6.7

Extinguishing media: Carbon dioxide, dry chemical or "alcohol" foam. A water spray may be ineffective to put out fire, but may be used to cool fire-exposed containers. A stream of water can spread fire of burning liquid.

This is a flammable liquid (OSHA Class IB) which can readily form explosive mixtures with air, especially when heated. Heavier-than-air vapors can flow along surfaces to reach distant ignition sources, and then flash back. Firefighters should use self-contained breathing equipment and eye protection to fight fires in enclosed places.

SECTION V. REACTIVITY DATA

This material is stable in storage in closed containers at room temperature. It does not polymerize.

This flammable material should be kept separated from oxidizing agents, strong acids and bases and ammonia. Thermal-oxidative degradation can produce toxic products, including carbon monoxide.

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NO. 385

SECTION VI. HEALTH HAZARD INFORMATION

TLV 100 ppm

Excessive exposure to vapors will irritate the eyes and mucous membranes of the upper respiratory tract. Sustained high levels can produce headache, depression of the central nervous system, narcosis and coma.

Liquid contact is irritating to the eyes and irritation and defatting to the skin, leading to dermatitis on prolonged or repeated exposures. Ingestion may lead to aspiration of liquid into the lungs small amounts of aspirated ethyl benzene cause extensive edema and hemorrhage of lung tissue. FIRST AID:

Eye contact: Wash eyes well with plenty of running water. Get medical help if irritation persists.

Skin contact: Wash exposed areas of skin. Promptly remove contaminated clothing.

Inhalation: Remove victim to fresh air. Restore breathing if necessary. Get medical help for serious exposure.

Ingestion: Get prompt medical help! (The danger of aspirating ethyl benzene into the lungs indicates medical direction before inducing vomiting.)

SECTION VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Personnel involved in leak or spill control and clean-up must use protective equipment to avoid inhalation of vapors and contact with liquid. Eliminate ignition sources. Provide maximum explosion-proof ventilation.

Pick-up spilled material for recovery or disposal. Absorb with sand, etc. for disposal in a sanitary landfill or with paper towels or cloths for burning. Water can be used to flush liquid away from sensitive areas to special catch basins or ground, but not to sewer or surface water.

DISPOSAL: Scrap material can be burned in approved incinerators in accordance with Federal, State and local regulations.

SECTION VIII. SPECIAL PROTECTION INFORMATION

Provide expolosion-proof general and local exhaust ventilation to meet TLV requirements. Approved respirators must be available for non-routine or emergency use. A full face respirator with organic vapor cartridge can be used up to 1000 ppm; a gas mask with organic vapor canister can be used up to 5000 ppm· a self-contained respirator is needed for high and unknown concentrations of vapor.

Use impervious gloves and clothing and a face shield to prevent repeated or prolonged contact with the liquid. Where splashing is possible chemical goggles should be used. Clothing contaminated with ethyl benzene should be promptly removed and not reused until free of the contaminant.

Exposures above the action level, liquid contact, or working where fire and explosion hazards exist may require instituting employee training, medical surveillance, vapor concentration monitoring, record keeping, etc. when the proposed standard issues.

SECTION IX. SPECIAL PRECAUTIONS AND COMMENTS

Store this material in tightly closed containers in cool, well-ventilated areas, away from oxidizing agents, heat and sources of ignition. Use non-sparking tools around this material. Containers must be electrically bonded and grounded for transfers of liquid. Use safety cans for small amounts. No Smoking! where this material is stored or used.

Screen workers for history of kidney, liver, skin and lung problems which could give increased sensitivity and risk in ethyl benzene exposure.

Avoid breathing of vapors and contact with liquid. Do not ingest. Chronic properties are not fully known; use with care.

DATA SOURCE(S) CODE: 2-9, 11, 12

Judgments as to the suitability of information herein for purchaser's purposes are necessarily purchaser's responsibility. Therefore, although reasonable care has been taken in the preparation of such information, Genium Publishing Corporation extends no warranties, makes no representations, and assumes no responsibility as to the accuracy or suitability of such information for the above stated purchaser's intended purposes or for consequences of its use.

APPROVALS: MIS, CRD J. M. Nielsen

Industrial Hygiene and Safety

Corporate Medical Staff G. F. Martelin M.D.

MATERIAL SAFETY DATA SHEET

GENIUM PUBLISHING CORPORATION
1145 CATALYN STREET
SCHENECTADY, NY 12303-1836 USA
(518) 377-8855

GENIUM PUBLISHING CORP.

NO. 467

AUTOMOTIVE
GASOLINE, LEAD-FREE

Date October 1981

SECTION I. MATERIAL IDENTIFICATION

MATERIAL NAME: AUTOMOTIVE GASOLINE, LEAD-FREE
DESCRIPTION: A volatile blend of hydrocarbons for automotive fuel
OTHER DESIGNATIONS: Petrol, CAS #008 006 619, ASTM D439
MANUFACTURER: Available from several suppliers.

SECTION II. INGREDIENTS AND HAZARDS	%	HAZARD DATA
Gasoline A hydrocarbon blend that can include normal and branched chain alkanes, cycloalkanes, alkenes, aromatics and other additives.** (Lead max 0.013 g/L, phosphorus max 0.0013 g/L, sulfur max 0.10 wt%. May contain benzene, <5%; see ASTM D3606). *ACGIH 1981 TLV (Intended Changes List). See also Am. Ind. Hyg. A. 39 110-117 (1978) **The composition of fuel is varied with altitude and seasonal requirements for a locality. The blend must meet antiknock requirements. (Antiknock Index min 85, ASTM D439.)	100	8-hr TWA 300 ppm or 900 mg/m^3* Man Eye: 500 ppm/1H Moderate irritation Inhalation: TCLo 900 ppm/1H TFX:CNS

SECTION III. PHYSICAL DATA

Distillation at 1 atm, Initial, deg C >39
50% distilled - 77-121
End point ----- <240
Vapor density (Air=1) ---------- 3.0-4.0
Solubility in water ---------- Insoluble

Specific gravity, 60/60 F - 0.72-0.76
Melting point, deg C ------ -90.5-95.4
Evaporation rate --------- N/A

Appearance and Odor: A clear, mobile liquid with a characteristic odor which can be recognized at about 10 ppm in air. (Gasoline may be colored with dye.)

SECTION IV. FIRE AND EXPLOSION DATA

Flash Point and Method	Autoignition Temp.	Flammability Limits In Air % by volume	LOWER	UPPER
-45 F	536-853 F		1.4	7.6

Extinguishing Media: Dry chemical, carbon dioxide, alcohol foam. Use of water may be ineffective to extinguish fire, but use water spray for cooling fire-exposed drums and tanks to prevent pressure rupture. It is a dangerous fire and explosion hazard when exposed to heat and flames. Vapors can flow along surfaces, reach distant ignition sources and flash back. Can react violently with oxidizing agents.
Firefighters should wear self-contained breathing apparatus and full protective clothing.

SECTION V. REACTIVITY DATA

This is a stable material in closed containers at room temperature under normal storage and handling conditions. It does not undergo hazardous polymerization.
This is an OSHA Class IA flammable liquid. A mixture of gasoline vapors and air can be explosive. It is incompatible with oxidizing agents.
Thermal-oxidative degradation can yield carbon monoxide and partially oxidized hydrocarbons.

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No. 467

SECTION VI. HEALTH HAZARD INFORMATION

TLV 300 ppm (See Sect. II)

Inhalation causes intense burning of the mucous membranes, throat and respiratory tract; overexposure to vapors can lead to bronchopneumonia. Inhalation of high conc. can cause fatal pulmonary edema. Repeated or prolonged skin exposure causes dermatitis. Can cause blistering of skin due to its defatting properties. Exposure to eyes can cause hyperemia of the conjunctiva.

Ingestion or excessive vapors can cause inebriation, drowsiness, blurred vision, vertigo, confusion, vomiting and cyanosis (2000 ppm produces mild anesthesia in 30 min, higher conc. are intoxicating in less time.) Aspiration after ingestion causes bronchitis, pneumonia, or edema which can be fatal.

FIRST AID:

Eye Contact: Flush thoroughly with running water for 15 min. including under eyelids.

Skin Contact: Remove contaminated clothing. Wash affected area with soap and water.

Inhalation: Remove to fresh air. Restore breathing and administer oxygen if needed.

Ingestion: Do not induce vomiting. Aspiration hazard. Contact physician.

Seek prompt medical assistance for further treatment, observation and support.

SECTION VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Notify safety personnel of leaks or spills. Remove sources of heat or ignition. Provide adequate ventilation. Clean-up personnel require protection against liquid contact and vapor inhalation. If a leak or spill has not ignited, use water spray to disperse vapors and to protect men attempting to stop the leakage. Contain spill. Do not allow to enter sewer or surface water. Add absorbent solid to small spills or residues and pick up for disposal.

DISPOSAL: Burn scrap material in an approved incinerator. Burn contaminated liquid by spraying into an incinerator. Follow Federal, State, and Local regulations.

SECTION VIII. SPECIAL PROTECTION INFORMATION

Use general and local exhaust ventilation (explosion-proof) to keep vapors below the TLV requirements in the workplace. Respirators should be available for nonroutine or emergency use above the TLV.

Avoid eye contact by use of chemical safety goggles and/or full faceshield where splashing is possible. Wear protective clothing appropriate for the work situation to minimize skin contact such as rubber gloves and boots. Clothing to be changed daily and laundered.

Eyewash fountains, showers and washing facilities should be readily accessible

Provide suitable training to those handling and working with this material.

SECTION IX. SPECIAL PRECAUTIONS AND COMMENTS

Store in closed containers in a cool, dry, well-ventilated area away from sources of heat, ignition and strong oxidizing agents. Protect containers from physical damage. Avoid direct sunlight. Storage must meet requirements of OSHA Class IA liquid.

Outdoor or detached storage preferred. No smoking in areas of use. Prevent static electric sparks and use explosion-proof electrical services. (Must meet code.)

Avoid skin and eye contact. Avoid inhalation of vapors. Wear clean work clothing daily.

Indoor use of this material requires exhaust ventilation to remove vapors.

ICC Flammable Liquid, Red Label. LABEL: Flammable Liquid DOT I.D. No. UN 1203.

DOT Classification: FLAMMABLE LIQUID

DATA SOURCE(S) CODE: 2,4-9,34,37

Judgments as to the suitability of information herein for purchaser's purposes are necessarily purchaser's responsibility. Therefore, although reasonable care has been taken in the preparation of such information, Genium Publishing Corporation extends no warranties, makes no representations, and assumes no responsibility as to the accuracy or suitability of such information for application to the purchaser's intended purposes or for consequences of its use.

APPROVALS: MIS CRD J.M. Kuiken

Industrial Hygiene and Safety 10-27-81

MEDICAL REVIEW: 14 November 1981

APPENDIX F

(Accident Investigation Form)

GROUNDWATER TECHNOLOGY, INC.

Accident/Incident/Near Miss Report

Employee's Name: _____ D.O.B._____

Address: _____ D.O.H._____

_____ SS# _____

Job Title: _____ Supervisors's Name: _____

Office Location: _____

Location at Time of Incident: _____

Date/Time of Incident: _____

Description: Describe clearly how the accident occurred:

_____

_____

_____

Was Incident: Physical _____ Chemical _____

Part(s) of body affected: _____ Exposure: Dermal _____

right left Inhalation _____

Ingestion _____

Witnesses: 1)_____ 2)_____

Conditions/acts contributing to this incident: _____

_____

_____

Explain specifically the corrective action you have taken to prevent a recurrence:

_____

_____

_____

Did the injured go to a doctor? _____ Where? _____

_____ When? _____

Did injured go to a hospital? _____ Where? _____

_____ When? _____

Signatures:

Employee	Reporting Manager	Regional H&S Manager
Date	Date	Date

This form must be completed and returned within 5 working days to Regional Health & Safety Manager, who will forward a copy to Corporate Health & Safety Manager at ELD.

GROUNDWATER TECHNOLOGY, INC.

APPENDIX G

(Vapor Monitoring Sheet Form)

GROUNDWATER TECHNOLOGY, INC.

PROJECT NAME _____

PROJECT NUMBER _____

DATE OF SAMPLING _____

CONTAMINANTS _____

RESULTS OF VAPOR MONITORING

TIME	IONIZATION DETECTOR READING			EXPLOSIMETER READING		RADIATION MONITOR READING	LOCATION	PURPOSE	INITIALS
	FID	10.2eV PID	11.7eV PID	% LEL	% O_2	mR/hr			

APPENDIX H

(Excavation/Trenching)

Case sent to

Remediation.

Please see
LOP file for
additional information
and closure letter

RECEIVED
FEB 21 2008
COUNTY
MENTAL HEALTH SERVICES

OFFICE OF THE DISTRICT ATTORNEY
COUNTY OF KERN

WHITE COLLAR CRIME UNIT

CIVIC CENTER JUSTICE BUILDING
1215 TRUXTUN AVENUE, 4TH FLOOR
BAKERSFIELD, CALIFORNIA 93301
(661) 868-2340, FAX: (661) 868-2135

EDWARD R. JAGELS
DISTRICT ATTORNEY

THOMAS D. SPARKS
ASSISTANT DISTRICT ATTORNEY

J. MICHAEL SALEEN
CHIEF DEPUTY DISTRICT ATTORNEY

February 20, 2008

H. Ty Kharazi
Kharazi & Sirabian
1145 E. Shaw Avenue
Fresno, CA 93710

Re: People v. Bahnam Shiralian
KCSC Case No. S-1500-CV-262335 NFT

Dear Mr. Kharazi:

I am writing in response to your letter dated February 15, 2008. Although I am certainly willing to continue to discuss this case with you and/or Mr. Shiralian, I am concerned with several aspects of your letter and would like to take this opportunity to briefly clarify a few issues.

First, you state in the second paragraph of your letter that you "understand" Mr. Shiralian sent me several documents regarding the facts of this case. That is incorrect. I have not received anything from Mr. Shiralian other than documentation regarding the corporate status of Chase Inc. The only substantive documents I received were those attached to your letter, which have very minimal relevance to this case.

Second, you state in the fifth paragraph of your letter that Mr. Shiralian usually received notices when his facilities were out of compliance and that in this case he received "none from Kern County." That statement is shocking and disturbing in view of the fact that on January 23, 2008, Mr. Shiralian was present while a representative from the Kern County Department of Environmental Health and I showed him letter after letter that documented the violations at his facilities and informed him of the serious consequences of failing to respond to the letters. Significantly, many of the letters were sent by certified mail and were accompanied by a signature acknowledging receipt! Therefore, I suggest to you that Mr. Shiralian would have an extremely difficult time trying to convince a Judge that he was not given notice of the violations.

Third, you state in the second-to-last paragraph that "all of the requirements have been met" and then you refer to the letter attached as Exhibit A. All of the requirements have not been

met. Even the letter you attached as Exhibit A clearly states that "I'm still waiting for results of soil samples . . . I'll fax those to you once I have them." As I told you during our phone conversation, Mr. Shiralian is close to compliance, but to say he has met "all" of them is inaccurate. Furthermore, during our in-person meeting in January, we spent considerable time reviewing all of the outstanding requirements in great detail. He and his staff know very well what it is we still needed at that time. Therefore, there is no purpose to re-review that list in this letter.

Finally, I was disappointed to learn that your letter contained no counteroffer, nor have I received one from Mr. Shiralian. I have made it clear that I am willing to give Mr. Shiralian credit for his efforts in coming into full compliance (assuming he does so in the immediate future) and for the money spent coming into compliance to date. Please be advised that I am willing to further extend the deadline for a responsive pleading to the Complaint, on the condition that I receive a meaningful counteroffer.

You and/or Mr. Shiralian are welcome to contact me if you would like to discuss the contents of this letter in greater detail.

Sincerely yours,

EDWARD R. JAGELS
District Attorney

By Gregory A. Pulskamp
Gregory A. Pulskamp,
Deputy District Attorney

GAP/tr

CC
Bahnam Shiralian
4180 W. Alamos Avenue, #104
Fresno, CA 93722

Gregory Moore
Kern County Department of Environmental Health
2700 "M" Street, Suite 300
Bakersfield, CA 93301-2370

Laurel Funk - FW: Billing and mailing address for Underground Storage Tank permits

2442

From: "Brooks, Mark SOPUS" <Mark.Brooks@shell.com>
To: "Laurel Funk (E-mail)" <Laurelf@co.kern.ca.us>
Date: 04/06/2006 11:12 AM
Subject: FW: Billing and mailing address for Underground Storage Tank permits
CC: "Kennedy Ponce, Michelle M SOPUS-DRU/711" <m.m.kennedyponce@shell.com>

Please update your records and change the billing and mailing address for Shell service station at 9069 Grapevine Road, Lebec, CA 93243 Permit No. FA0002317. See attached letter.

Michelle Ponce
Permit Analyst
Shell Oil Products US
20945 S. Wilmington Ave
Carson, Ca 90810
310 816-2207 -fax 2028
m.m.kennedyponce@shell.com

SAFETY FOR LIFE

TRAINING Log

Shell Oil Products US
20945 S Wilmington Avenue
Carson, CA 90810
Tel 310.816.2207
Fax.310.816.2028
Email m.m.kennedyponce@shell.com

April 6, 2006

TO: **Laurel Funk**
Kern County Environmental Health
2700 M. Street, Suite 300
Bakersfield, CA 93301

FROM: **Michelle Ponce – Permit Analyst**
Health, Safety, Security and Environmental
Shell Oil Products US, Carson, CA

SUBJECT: **Billing and Mailing Address for Underground Storage Tank (UST) Permits**

Dear Ms. Funk:

Please update your records and change the billing and mailing address for the attached list of stations so the permits and future invoices are mailed to my attention at the Shell Carson Office. I will forward the permits to the station. Please let me know if there are any forms I need to fill out to make the mailing address change, also if any permit changes have been missed. If there are any outstanding fees due for permits at any of the stations on the attached list please fax me the invoice right away and I will process it for payment.

Please mail invoices and permits to:

Shell Oil Products US
Attn: Michelle Ponce – Permit Analyst
20945 S. Wilmington, Avenue
Carson, CA 90810

Please contact me at (310) 816-2207 if you have any questions regarding this matter. Please fax any outstanding permit invoices to (310) 816-2028.

Sincerely yours,
Shell Oil Products US

Michelle Ponce

Michelle Ponce
Permit Analyst

330035

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT
STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: *eh@co.kern.ca.us*

RESOURCE MANAGEMENT AGENCY
DAVID PRICE III, RMA DIRECTOR
Community and Economic Development Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

April 19, 2005

SHELL OIL PRODUCTS US
20945 S WILMINGTON AVE
CARSON, CA 90810

- THIRD NOTICE -

Underground Storage Tank, Designated Operator Requirement

All Underground Storage Tank (UST) facilities were required to notify this Department of the person who will serve as their Designated Operator. The notification was required to be submitted by January 1, 2005. Your facility is currently in violation of the California Code of Regulations, Title 23, Chapter 16, Section 2715.

Included with this notice is the form to notify this Department of each facility's Designated Operator. This form is to be completed and returned by May 13, 2005. Failure to comply may result in the assessment of administrative or civil penalties.

Thank you for your cooperation in this matter. If you have any questions, please contact this Department at (661) 862-8700.

Sincerely,

Steve McCalley, Director

By: Joe Canas, REHS
Hazardous Materials Specialist IV
Unified Hazardous Materials/Waste Program

Enclosure

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us

RESOURCE MANAGEMENT AGENCY

DAVID PRICE III, RMA DIRECTOR
Community and Economic Development Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

October 15, 2004

330035
SHELL OIL PRODUCTS US
20945 S WILMINGTON AVE
LEBEC, CA 90810

Subject: Underground Storage Tank Designated Operator Requirements
SECOND NOTICE

All Underground Storage Tank (UST) facilities must notify this Department of the person who will serve as their Designated Operator. This requirement may be found in the California Code of Regulations, Title 23, Chapter 16, Section 2715. The notification is required to be submitted by January 1, 2005. The State is offering an UST Owner/Operator Outreach Session to provide information and answer questions about this new requirement. This session date and location is:

Tuesday, November 2, 2004
9:00 A.M. – 12:00 P.M.
City of Bakersfield, Council Chambers
1501 Truxtun Avenue
Bakersfield, CA 93301

Included with this notice is the form to notify this Department of each facility's Designated Operator. This form is to be completed and returned by January 1, 2005.

Thank you for your cooperation in this matter. If you have any questions, please contact this Department at (661) 862-8700.

Sincerely,

Steve McCalley, Director

By: Joe Canas, REHS
Hazardous Materials Specialist IV
Unified Hazardous Materials/Waste Program

Encl.

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

STEVE McCALLEY, R.E.H.S., Director
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RESOURCE MANAGEMENT AGENCY

DAVID PRICE III, RMA DIRECTOR
Community and Economic Development Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

August 26, 2004

330035
050021
050034

SHELL OIL PRODUCTS US
20945 S WILMINGTON AVE
CARSON, CA 90810

Subject: Underground Storage Tank Requirements

The State of California has established new regulations for Underground Storage Tanks (UST). UST facilities must meet the following requirements to maintain compliance with current regulations.

1. **Designated Operator:** All UST facilities must notify this Department of the person who will serve as their Designated Operator. This notification is required by January 1, 2005. Enclosed is a flyer explaining these requirements. The State is offering several UST Owner/Operator Outreach Sessions to provide information and answer questions about this new requirement. Also included is a notice about those sessions.

2. **Double Walled Pressurized Piping Leak Detection:** The State is requiring line leak detectors that detect a 3.0 gallon per hour release from the primary containment be installed by November 9, 2004. A mechanical or electronic line leak detector may be used to fulfill this requirement. This requirement is in addition to the continuous monitors (sensors) in the piping sumps and under dispenser containments. ***This requirement is only for double walled pressurized piping.*** A flow chart is included to further explain these requirements.

Thank you for your cooperation in this matter. If you have any questions, please contact this Department at (661) 862-8700.

Sincerely,

Steve McCalley, Director

By: Joe Canas, REHS
Hazardous Materials Specialist IV
Unified Hazardous Materials/Waste Program

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us

RESOURCE MANAGEMENT AGENCY

DAVID PRICE III, RMA DIRECTOR
Community and Economic Development Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

April 25, 2003

STEPHEN BEAGLEY
GRAPEVINE TEXACO
9069 W GRAPEVINE RD
LEBEC, CA 93243

Subject: Underground Storage Tank (UST) System Requirements

Facility: GRAPEVINE TEXACO, 330035
9069 W GRAPEVINE RD
LEBEC

Dear Sir or Madam,

This Department has determined that the above mentioned facility is subject to the Secondary Containment Testing Requirements. The deadline for completing the testing was January 1, 2003. As of this date, the results for the waste oil tank have not been submitted to this Department.

This facility is currently out of compliance with the UST regulations. Failure to respond within the required time frame may result in enforcement actions by this Department.

Please respond to this department in writing as to the status of the site testing by May 31, 2003. The system must be tested within 60 days of your response. If you wish to discuss these options, please contact Laurel Funk at (661) 862-8763. Thank you for your cooperation in this matter.

Sincerely,

Steve McCalley, Director

By: Joe Canas
Hazardous Materials Specialist IV
Unified Hazardous Materials/Waste Program

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
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TTY Relay: (800) 735-2929
e-mail: *eh@co.kern.ca.us*

RESOURCE MANAGEMENT AGENCY

DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

October 25, 2002

STEPHEN BEAGLEY
GRAPEVINE TEXACO
9069 W GRAPEVINE RD
LEBEC, CA 93243

Subject: Secondary Containment Testing for Underground Storage Tank (UST) Systems

Facility: GRAPEVINE TEXACO, 330035
9069 W GRAPEVINE RD
LEBEC

Dear Sir or Madam,

This Department has determined that the above mentioned facility is subject to the Secondary Containment Testing Requirements. The deadline for completing the testing is January 1, 2003. As of this date, the results have not been submitted to this Department. Enclosed is information from the State Water Resources Control Board reminding tank owners of this requirement.

If for some reason you feel that this information is incorrect, please contact this Department. The Hazardous Materials staff is available at (661) 862-8700 to answer any questions you may have. Thank you for your prompt attention to this matter.

Sincerely,

Steve McCalley, Director

By: Joe Canas
Hazardous Materials Specialist IV
Unified Hazardous Materials/Waste Program

Enclosures

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: *eh@co.kern.ca.us*

RESOURCE MANAGEMENT AGENCY

DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

July 15, 2002

330035

TIM WOODSON
EQUILON ENTERPRISES LLC
2401-A WATERMAN BLVD 4-257
FAIRFIELD, CA 94533

Subject: Updated Underground Storage Tank (UST) Monitoring and Response Plans

Facility: GRAPEVINE TEXACO, FA0002317
9069 W GRAPEVINE RD
LEBEC

Dear Sir or Madam:

The Kern County Environmental Health Services Department has recently reviewed the underground storage tank (UST) files. Many facilities do not have current and/or approved monitoring plans, response plans, and plot plans on file with this Department. These plans are to be submitted to and approved by this Department for each facility. Copies of the plans are to be kept at each facility site with the Unified Hazardous Materials/Waste Facility Permit.

If you feel that you have already submitted these plans, please contact this Department to have your file reviewed. The submitted plans will be reviewed for completeness and you will be notified if updated plans are required.

To assist you in completing these plans, the following forms have been enclosed:

- Monitoring Plan Cover Sheet*: This form is to be completed for each facility and attached to the monitoring plan developed for the facility.
- Monitoring Requirement Options*: This is a list of various options that facilities can use to monitor most UST systems. You may develop your monitoring plan(s) by picking and choosing the options that apply to the site. Specific site information is necessary to complete the monitoring plan.
- Samples of Log Forms: Most monitoring plans require the logging of inspections and test results. These forms may be used for that purpose.
- Emergency Response Plan Form*: This form is to be completed for each facility.

In addition to the above information, a plot plan for the facility is to be submitted which shows the location of the tanks, monitoring sensors, buildings, alarm panels, and rectifiers. The plot plan is to be on an 8 1/2 x 11 sheet of paper.

The forms noted with a * are available in Word and Word Perfect format. If you would like to receive the forms electronically, please e-mail your request to laurelf@co.kern.ca.us and the forms will be sent to you.

Copies of the Monitoring, Response, and Plot Plans are to be submitted to this Department within 30 days of the date of this letter. If the facility owner is not contacted within 30 days of submittal, the plans are considered approved by this Department. The permit holder must notify this Department within 30 days of any changes to the monitoring, response, and plot plans.

Thank you for your cooperation in this matter. If you have any questions, please contact the Hazardous Materials staff at (661) 862-8700

Sincerely,

Steve McCalley, Director

By: Joe Canas, REHS
Hazardous Material Specialist IV
Unified Hazardous Materials/Waste Program

JC:lf
Enclosures

330035

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT
RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: *eh@co.kern.ca.us*

DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

November 30, 2001

FERYAL SARRAFIAN
EQUILON ENTERPRISES LLC
P O BOX 7869
BURBANK, CA 91510-7869

Subject: Underground Storage Tank (UST) Requirements and Deadlines

Facility: GRAPEVINE TEXACO, FA0002317
9069 W GRAPEVINE RD
LEBEC

The State of California has established new regulations for underground storage tanks. All UST files have been reviewed by this Department for compliance with both existing and these new regulations. The facility listed above must meet the following requirements to maintain compliance with current regulations.

Secondary Containment Testing

The following systems have at least one component which is secondarily contained (i.e., tank, piping, sump, or dispenser containment). Any tank using hydrostatic or vacuum monitoring is not required to be tested, however; piping, sumps, and dispenser containment still require testing. The secondary containment system is to be tested by the date listed below and every 36 months thereafter. If the date has already passed, the test must be completed within 60 days of this letter. If the system is untestable by an approved method, the system shall be tested by Enhanced Leak Detection (ELD). The facility shall have an ELD program reviewed and approved by this Department by July 1, 2002; implemented by December 31, 2002; and the secondary containment system replaced by July 1, 2005. The testing and ELD requirements are enclosed.

Tank #	Tank Size	Product Stored	Test Due Date
1	12,000	UNLEADED	01/01/2003
2	10,000	UNLEADED	01/01/2003
3	8,000	PREMIUM	01/01/2003
4	10,000	DIESEL	01/01/2003
5	550	WASTE OIL	01/01/2003
6	12,000	UNLEADED PLUS	01/01/2003

In addition to the above-mentioned requirements, all monitoring equipment shall be calibrated, operated and maintained in accordance with the manufacturers' instructions. The equipment shall also be certified for proper operating condition and calibration every 12 months.

All testing is to be completed by a licensed or approved tester. Permits may be required for some of the tests. This Department shall be notified at least 48 hours prior to conducting any tests or inspections. The results of the test are to be submitted to this Department within 30 days of completion.

If for some reason the owner or operator of this facility believes that the above information is incorrect, please contact this Department. An inspection and file review can be completed to clarify and/or correct the information.

California Air Resources Board (CARB) has implemented additional requirements for Enhanced Vapor Recovery. While the CARB requirements are separate from the UST requirements, modifications to comply with these requirements may activate the CARB requirements. Please contact the local Air District for assistance prior to making any modifications to this facility.

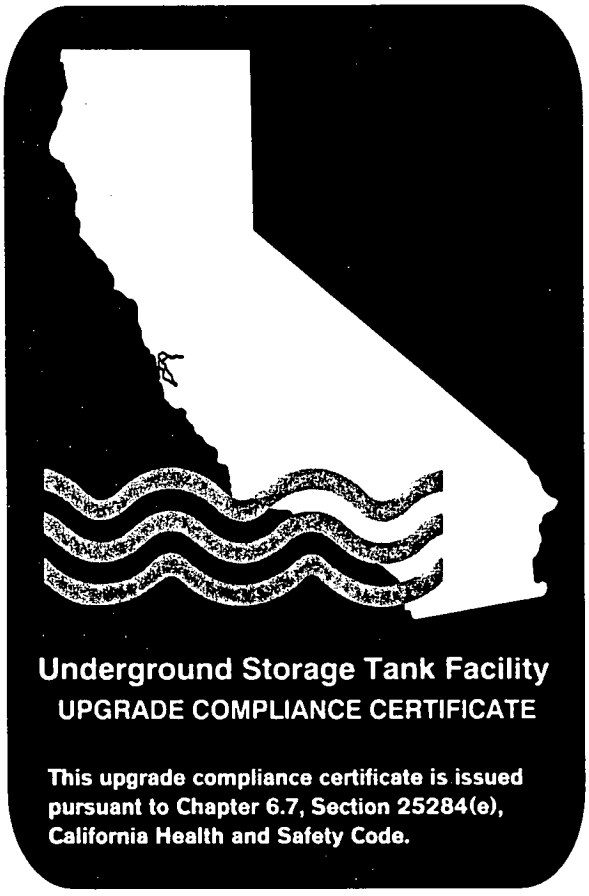
Please contact the Hazardous Materials staff at (661) 862-8700 if you need any assistance.

Sincerely,

Steve McCalley, Director

By: Joe Canas, REHS
Hazardous Material Specialist IV
Unified Hazardous Materials/Waste Program

CA Cert. No. 06277



Underground Storage Tank Facility
UPGRADE COMPLIANCE CERTIFICATE

This upgrade compliance certificate is issued pursuant to Chapter 6.7, Section 25284(e), California Health and Safety Code.

Kern County Environmental
Health Services Department
Steve McCalley, R.E.H.S., Director
2700 M Street, Suite 300
Bakersfield, CA 93301-2370

Voice (805) 862-8700
FAX (805) 862-8701

E-Mail: eh@co.kern.ca.us

An upgrade compliance certificate has been issued in connection with the operating permit for the facility indicated below. The certificate number on this facsimile matches the number on the certificate displayed at the facility.

Instructions to the issuing agency: Use the space below to enter the following information in the format of your choice: name of owner; name of operator; name of facility; street address, city, and zip code of facility; facility identification number (from Form A); name of issuing agency; and date of issue. Other identifying information may be added as deemed necessary by the local agency.

Facility: GRAPEVINE TEXACO, 002317

Location: 9069 W GRAPEVINE RD
LEBEC, CA 93243

Owner: EQUILON ENTERPRISES LLC
P O BOX 4453
HOUSTON, TX 77210--445

UST Site ID: 330035 BP Site ID: 002442

Issue Date: September 1, 1998

98C-5

10-20-98 Mailed

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (805) 862-8700
FAX: (805) 862-8701
TTY Relay: (800) 735-2929
e-mail: *eh@kerncounty.com*

RESOURCE MANAGEMENT AGENCY

DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

September 18, 1998

CONGRATULATIONS. According to the records maintained by this Department, you have at least one facility which stores motor vehicle fuel underground which meets the **1998 upgrade compliance requirements**. After January 1, 1999, anyone who delivers motor vehicle fuel to your facility must verify that the tanks receiving the fuel meet the upgrade requirements. The delivery person will be looking for: a State decal, and fill pipe riser straps and tags.

This Department has prepared a package for each facility noted on the enclosed list. The package contains the decal, fill pipe riser straps and tags for each tank, and a compliance certificate for the facility verifying it is currently in compliance with the 1998 upgrade standard. The package can be picked up Monday through Friday 8:00 a.m. to 5:00 p.m. at the address noted above until Monday, November 2, 1998. (PLEASE NOTE: the person picking up package must bring the enclosed list with them.)

If you cannot come into the office and would prefer to have the package sent to you, please complete the form below, return it along with the enclosed list before November 2, 1998.

If you have any questions or wish to make other arrangements, please contact the Hazardous Materials Unified Program staff at (805) 862-8700.

Sincerely,

Steve McCalley, Director

RETURN ONLY IF YOU WANT PACKAGE MAILED

Indicate below the address you would like the package mailed to. Also mark which facilities this request pertains to on the enclosed list. Return this letter and the list to the address noted above.

EQUIVA SERVICES LLC
ATTN: JEFF OSBORN
9532 WOODLAWN DR.
HUNTINGTON BEACH, CA 92646

Signature: Jeff Osborn Date: 10/14/98

Kern County Environmental
Health Services Department
Certified Unified Program Agency
2700 "M" Street, Suite 300, Bakersfield, CA

UNIFIED HAZARDOUS MATERIALS / WASTE FACILITY PERMIT

Phone: (805) 862-8700
FAX: (805) 862-8701

FACILITY NAME: GRAPEVINE TEXACO, 002317

LOCATION: 9069 W GRAPEVINE ROAD
LEBEC, CA

Key Map No.: 197-17

OWNER'S NAME: GRAPEVINE TEXACO
9069 W GRAPEVINE ROAD
LEBEC, CA
93243

ISSUED FOR THE FOLLOWING ACTIVITIES:

Underground Storage Tanks (Permitted)	Haz Material Business Plan/RMPP (Authorized)	Hazardous Waste Generator	Above-Ground Storage Tanks
330035C 12000 GAL., DOUBLE WALLED, UNLEADED, PRESSURE 10000 GAL., DOUBLE WALLED, GASOLINE, PRESSURE 8000 GAL., DOUBLE WALLED, PREMIUM, PRESSURE 10000 GAL., DOUBLE WALLED, DIESEL, PRESSURE 550 GAL., DOUBLE WALLED, WASTE OIL, GRAVITY 12000 GAL., DOUBLE WALLED, GASOLINE, PRESSURE	Site ID #: 002442	NOT AUTHORIZED	NOT AUTHORIZED

THIS PERMIT IS GRANTED SUBJECT TO THE CONDITIONS LISTED ON THE BACK

Issue Date: November 1, 1997

Expiration Date: November 1, 2000

– POST ON PREMISES –
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HAZARDOUS MATERIALS / WASTE FACILITY PERMIT

SUMMARY OF CONDITIONS

CONDITIONS:

1. The facility owner and operator must comply with all conditions specified by this permit and must meet any additional requirements imposed by the permitting authority.
2. The facility owner and operator shall ensure that the facility has adequate financial responsibility insurance coverage, as mandated for all underground storage tanks containing petroleum, and supply proof of such coverage to the permitting authority.
3. The facility will be considered in violation and operating without a permit if annual fees are not received within 30 days of the invoice date.
4. The monitoring/operational requirements shall be implemented within 30 days of the permit issue date.
5. Any inactive underground storage tank which is not being monitored, as approved by the permitting authority, is considered improperly closed. Proper closure is required and must be completed under a permit issued by the permitting authority.
6. The facility owner/operator must obtain a modification permit before:
   a. Uncovering any underground storage tank after failure of a tank integrity test.
   b. Replacement of piping.
   c. Lining the interior of the underground storage tank.
7. The facility owner must advise the Environmental Health Services Department within 30 days of transfer of ownership.
8. The owner and/or operator shall keep a copy of all tank monitoring records at the facility for a minimum of three years, or as specified by the permitting authority. They may be kept off site if they can be obtained within 24 hours of a request made by the local authority.
9. The owner/operator must report any significant unauthorized release from permitted tanks within 24 hours of discovery.
10. The owner and operator must meet all applicable requirements of Chapters 6.5, 6.67, 6.7, 6.75, and 6.95 of the Health and Safety Code and applicable sections of the California Code of Regulations and the Kern County Ordinance Code.
11. A hazardous materials inventory plan must be prepared and kept current by the owner or the operator of this facility.
12. An annual report shall be submitted to the Kern County Environmental Health Services Department each year after the monitoring has been initiated. The owner or operator shall use the form provided along with the permit or another approved by the Kern County Environmental Health Services Department.
13. All underground storage tanks shall be equipped with a continuous monitoring device within the interstitial space which must be connected to an audible and visual alarm system. All piping sumps shall be monitored manually or by utilizing an electronic monitoring device.
14. All pressurized piping systems shall be equipped with pressurized piping leak detectors. The piping systems shall be tested annually unless the facility has installed a continuous monitoring/automatic shutoff system within the secondary containment.
15. All equipment installed for leak detection shall be operated and maintained in accordance with manufacturer's instructions, including routine maintenance and service checks (at least once per year) for operability or running condition.
16. An underground storage tank monitoring response plan shall be developed, if not currently on file, and submitted to the Department for review and approval within 30 days of the issuance date of this permit.

330035

SERVICE STATION SERVICES

APR - 4

April 1, 1997

KERN, COUNTY OF
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301

Re: Texaco Refining & Marketing Locations (attached list)
Change of Billing Address/Contact Person

Gentlemen:

Texaco Refining & Marketing Inc. has realigned areas of responsibility in your jurisdiction and relocated one of their marketing offices. Fred Long, Sr. EH&S Coordinator has relocated his office and requests that all invoices and related correspondence be directed to his attention at:

Billing: Texaco Refining & Marketing Inc.
Attn: Fred Long, Sr. EH&S Coordinator
3663 Gibson Street
Bakersfield, CA 93308

Contact Telephone Number: 805/326-4326
Fax Number: 805/326-4325

Should you have any further questions, please contact Fred at the above number or myself at 714/546-1227 ext 229.

Thank you.

Sincerely,

Robert S. Watson

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

STEVE McCALLEY, R.E.H.S.
DIRECTOR

2700 "M" Street, Suite 300
Bakersfield, CA 93301
(805) 861-3636
(805) 861-3429 FAX

February 24, 1994

TEXACO REFINING & MARKETING, INC.
P. O. BOX 7812 - 4TH FLOOR
UNIVERSAL CITY, CA 91608

SUBJECT: GRAPEVINE & I-5, LEBEC, CA PERMIT #: 330035C

Dear Sir/Madam:

The permit issued to the facility cited above provided one page of conditions/prohibitions for operation of the underground storage tank system. One of the conditions provided on that page specified that "the owner and operator ensure that the facility have adequate financial responsibility coverage, as mandated for all underground storage tanks containing petroleum, and supply proof of such coverage when requested by the permitting agency." Federal regulations which went into effect in December 1988 required that all underground storage tank facilities obtain financial responsibility coverage, using an approved mechanism to pay for the costs of cleanup and any third party liability, in case of a leak from the tank system, and provide evidence of that coverage to the local implementing agency by deadlines established in law. The amount of coverage required and the mechanisms which could be utilized were also specified in law.

In an attempt to assist underground storage tank facilities comply with the financial responsibility requirements, the state developed a clean up fund, which was approved by the Federal EPA as a mechanism for meeting a portion of the Federal financial responsibility requirements. The state has prepared a summary of the clean up fund, how you pay into the fund, and the financial responsibility requirements. That summary has been enclosed with this letter.

The Certificate of Financial Responsibility enclosed is the proof that this Department needs for the underground storage facility cited above. As shown by the example provided, you can utilize one statement for all underground storage tanks that you own or operate.

Please review all information provided, complete the Certificate of Financial Responsibility enclosed, and return it by March 31, 1994. If you have any questions, feel free to call the Underground Storage Tank Program at (805) 861-3636.

Sincerely,

Steve McCalley, Director

By: Amy E. Green, R.E.H.S.
Hazardous Materials Specialist IV
Hazardous Materials Management Program

AEG:jrw
Enclosures
(block2b)

COPY

RESOURCE MANAGEMENT AGENCY

RANDALL L. ABBOTT
DIRECTOR

DAVID PRICE III
ASSISTANT DIRECTOR

Environmental Health Services Department
STEVE McCALLEY, REHS, DIRECTOR

Air Pollution Control District
WILLIAM J. RODDY, APCO

Planning & Development Services Department
TED JAMES, AICP, DIRECTOR

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

PERMIT TO OPERATE UNDERGROUND HAZARDOUS STORAGE FACILITY

Permit No.: 330035C

State ID No.: 16156

Issued to: TEXACO REFINING & MARKETING, INC.

No. of Tanks: 6

Location: GRAPEVINE & I-5
LEBEC, CA

Owner: TEXACO REFINING & MARKETING, INC.
P.O. BOX 7812 / 4TH FLOOR
UNIVERSAL CITY, CA 91608

Operator: BEAGLEY, S
STAR RT., BOX 23
LEBEC, CA 93243

Facility Profile:

Tank No.	Substance Code	Tank Contents	Tank Capacity	Year Installed	Is piping Pressurized?
1	MVF 6	UNLEADED	12,000	1985	YES
2	MVF 6	REGULAR	10,000	1985	YES
3	MVF 6	PREMIUM	8,000	1985	YES
4	MVF 6	DIESEL	10,000	1985	YES
5	WO 6	WASTE OIL	550	1991	NO-GRAVITY
6	MVF 6	LEADED	12,000	1991	YES

This permit is granted subject to the conditions and prohibitions listed on the attached summary of conditions/prohibitions

By: Steve McCalley
Steve McCalley

Title: Director, Environmental Health Services Department

Issue Date: June 12, 1992

Expiration Date: June 12, 1997

-- POST ON PREMISES --
NONTRANSFERABLE

2700 "M" STREET, SUITE 300 BAKERSFIELD, CALIFORNIA 93301 (805) 861-3636
FAX: (805) 861-3429

HAZARDOUS UNDERGROUND STORAGE FACILITY PERMIT
SUMMARY OF CONDITIONS/PROHIBITIONS

CONDITIONS/PROHIBITIONS:

1. The facility owner and operator must be familiar with all conditions specified within this permit and must meet any additional requirements to monitor, upgrade, or close the tanks and associated piping imposed by the permitting authority.

2. If the operator of the underground storage tank is not the owner, then the owner shall enter into a written contract with the operator, requiring the operator to monitor the underground storage tank; maintain appropriate records; and implement reporting procedures as required by the Department.

3. The facility owner and operator shall ensure that the facility has adequate financial responsibility insurance coverage, as mandated for all underground storage tanks containing petroleum, and supply proof of such coverage when requested by the permitting authority.

4. The facility owner must ensure that the annual permit fee is paid within 30 days of the invoice date.

5. The facility will be considered in violation and operating without a permit if annual permit fees are not received within 60 days of the invoice date.

6. The facility owner and/or operator shall review the leak detection requirements provided within this permit. The monitoring alternative shall be implemented within 60 days of the permit issue date.

7. The facility underground storage tanks must be monitored, utilizing the option approved by the permitting authority, until the tank is closed under a valid, unexpired permit for closure.

8. Any inactive underground storage tank which is not being monitored, as approved by the permitting authority, is considered improperly closed. Proper closure is required and must be completed under a permit issued by the permitting authority.

9. The facility owner/operator must obtain a modification permit before:
   a. Uncovering any underground storage tank after failure of a tank integrity test.
   b. Replacement of piping.
   c. Lining the interior of the underground storage tank.

10. The tank owner must advise the Environmental Health Services Department within 10 days of transfer of ownership.

11. Any change in state law or local ordinance may necessitate a change in permit conditions. The owner/operator will be required to meet new conditions within 60 days of notification.

12. The owner and/or operator shall keep a copy of all monitoring records at the facility for a minimum of three years, or as specified by the permitting authority. They may be kept off site if they can be obtained within 24 hours of a request made by the local authority.

13. The owner/operator must report any unauthorized release which escapes from the secondary containment, or from the primary containment if no secondary containment exists, which increases the hazard of fire or explosion or causes any deterioration of the secondary containment within 24 hours of discovery.

MONITORING REQUIREMENTS: (MVF6 AND WO6gr/pr)

1. All underground storage tanks designated as **MVF 6 and WO6** within the first page of this permit shall be monitored utilizing the following method:

   a. Each tank shall be equipped with a **continuous monitoring device within the interstitial space,** which must be connected to an audible and visual alarm system within 60 days of the issue date on page 1 of this permit.

   b. All **piping sumps shall be monitored manually or by utilizing an electronic monitoring device.**

   c. All pressurized piping systems shall install pressurized piping leak detection systems and ensure that they are capable of functioning as specified by the manufacturer. The mechanical leak detection systems must be capable of alerting the owner/operator of a leak by restricting or shutting off the flow of hazardous substances through the piping, or by triggering an audible or visual alarm, detecting three gallons or more per hour per square inch line pressure within one hour.

   d. All pressurized piping systems shall be tested annually unless the facility has installed the following:
      (1) A continuous monitoring system within secondary containment.
      (2) The continuous monitor is connected to an audible and visual alarm system and the pumping system.
      (3) The continuous monitor shuts down the pump and activates the alarm system when a release is detected.
      (4) The pumping system shuts down automatically if the continuous monitor fails or is disconnected.

   The first test shall be completed before December 31, 1992, and subsequent tests completed each calendar year thereafter.

2. All equipment installed for leak detection shall be operated and maintained in accordance with manufacturer's instructions, including routine maintenance and service checks (at least once per year) for operability or running condition.

3. A monitoring response plan shall be developed and submitted to the department for review and approval within 90 days of the issuance date of this permit.

4. An annual report shall be submitted to the Kern County Environmental Health Services Department each year after the monitoring has been initiated. The owner or operator shall use the form provided along with the permit, unless another has been received prior approval.

Owner Statements of Designated Underground Storage Tank (UST) Operator and Understanding of and Compliance with UST Requirements

Facility Name: Lebec Shell	Facility ID #: FA 000-8826
Facility Address: 9069 W. Grapevine Road Lebec 93243	Reason for Submitting this Form *(Check One)*
Facility Phone #: 661-322-4774	Change of Designated Operator X **Update Certificate Expiration Date**

OR 2442

Designated UST Operator(s) for this Facility

PRIMARY

Designated Operator's Name: June K. Milner	Relation to UST Facility *(Check One)*
Business Name: J and J Enterprises	☐ Owner ☐ Operator ☐ Employee
Designated Operator's Phone #: Cell 559-647-8325 559-276-8664	☐ Service Technician X Third-Party
International Code Council Certification #: 5250088-UC	Expiration Date: 3-22-2013

PRIMARY

Designated Operator's Name: **Jerry D. Hagerty**	Relation to UST Facility *(Check One)*
Business Name *(If different from above)*:	☐ Owner ☐ Operator ☐ Employee
Designated Operator's Phone #: Cell 209-363-8664 559-276-8664	☐ Service Technician X Third-Party
International Code Council Certification #: **5302164-UC**	Expiration Date: **1-2-2015**

ALTERNATE 2 ***(Optional)***

Designated Operator's Name:	Relation to UST Facility *(Check One)*
Business Name *(If different from above)*:	☐ Owner ☐ Operator ☐ Employee
Designated Operator's Phone #:	☐ Service Technician ☐ Third-Party
International Code Council Certification #:	Expiration Date:

I certify that, for the facility indicated at the top of this page, the individual(s) listed above will serve as Designated UST Operator(s). The individual(s) will conduct and document monthly facility inspections and annual facility employee training, in accordance with California Code of Regulations, title 23, section 2715(c) - (f).

Furthermore, I understand and am in compliance with the requirements (statutes, regulations, and local ordinances) applicable to underground storage tanks.

NAME OF TANK OWNER (Please Print): Bob Shiralian

SIGNATURE OF TANK OWNER: B

DATE: 1-30-13 **OWNER'S PHONE #:** 559-277-2828

NOTE: 1) SUBMIT THIS COMPLETED FORM TO THE LOCAL AGENCY (NOT THE STATE WATER RESOURCES CONTROL BOARD) BY JANUARY 1, 2005. THE LOCAL AGENCY LIST IS AVAILABLE AT: www.waterboards.ca.gov/ust/contacts/cupa_agys.html.

2) NOTIFY THE LOCAL AGENCY OF ANY CHANGES TO THIS INFORMATION WITHIN 30 DAYS OF THE CHANGE.

International Code Council
500 New Jersey Avenue, NW
Washington, DC 20001

The individual named hereon is CERTIFIED in the categories shown, having been so certified pursuant to successful completion of the prescribed written examinations.

Not valid unless signed by certificate holder.
ICC Certification attests to competent knowledge of codes and standards.

Jerry D Hagerty - 5302164
California UST System Operator - Exp. 01/02/2015

INTERNATIONAL CODE COUNCIL

California UST System Operator

Candidate ID: XX4341013644

Name: JUNE MILNER

Date: 3/22/2011

Address: 1598 N BLYTHE AVE

Birth Date: [redacted]

FRESNO CA 93722

EXAMINATION RESULT: **PASS**

INTERNATIONAL CODE COUNCIL

California UST System Operator

Candidate ID: XX4341030948

Name: JERRY HAGERTY

Date: 1/4/2011

Address: 1598 N BLYTHE

Birth Date: [redacted]

FRESNO CA 93722

EXAMINATION RESULT: **PASS**

Congratulations! You have passed the above named examination. Your wallet card will be forwarded to you by ICC within six weeks from the last day of the month in which you tested. This certificate is current for two years.

You may request a wall certificate from ICC as well. Throughout 2011, this certificate will be provided at no cost to you, if you request it within 90 days of your exam. Only one wall certificate per exam passed will be provided to you at no charge. For more information on requesting a wall certificate, go to www.iccsafe.org/inspector.

It is extremely important that you notify Pearson VUE and ICC of any changes in name and/or address to avoid the possibility of your wallet card and/or certificate not being received. Please contact Pearson VUE at 800-275-8301 and ICC at certexam@iccsafe.org with changes to your name and address (name changes may require additional documentation). There may be an additional fee if a certification is re-issued due to a misspelled name or incorrect address.

Owner Statements of Designated Underground Storage Tank (UST) Operator and Understanding of and Compliance with UST Requirements

Facility Name:	Lebec Shell	Facility ID #: FA 000-8826	
Facility Address:	9069 W. Grapevine Road Lebec, CA. 93243	Reason for Submitting this Form *(Check One)* Change of Designated Operator X Update Certificate Expiration Date	
Facility Phone #:	661-322-4774		

CR-2442

Designated UST Operator(s) for this Facility

PRIMARY

Designated Operator's Name: June K. Milner	Relation to UST Facility *(Check One)*
Business Name: J and J Enterprises	☐ Owner ☐ Operator ☐ Employee
Designated Operator's Phone #: Cell 559-647-8325 559-276-8664	☐ Service Technician X Third-Party
International Code Council Certification #: 5250088-UC	Expiration Date: 3-22-2013

PRIMARY

Designated Operator's Name: Jerry D. Hagerty	Relation to UST Facility *(Check One)*
Business Name *(If different from above)*:	☐ Owner ☐ Operator ☐ Employee
Designated Operator's Phone #: Cell 209-363-8664 559-276-8664	☐ Service Technician X Third-Party
International Code Council Certification #: 5302164-UC	Expiration Date: 1-4-2013

ALTERNATE 2 ***(Optional)***

Designated Operator's Name:	Relation to UST Facility *(Check One)*
Business Name *(If different from above)*:	☐ Owner ☐ Operator ☐ Employee
Designated Operator's Phone #:	☐ Service Technician ☐ Third-Party
International Code Council Certification #:	Expiration Date:

I certify that, for the facility indicated at the top of this page, the individual(s) listed above will serve as Designated UST Operator(s). The individual(s) will conduct and document monthly facility inspections and annual facility employee training, in accordance with California Code of Regulations, title 23, section 2715(c) - (f).

Furthermore, I understand and am in compliance with the requirements (statutes, regulations, and local ordinances) applicable to underground storage tanks.

NAME OF TANK OWNER (Please Print): Bob Shiralian

SIGNATURE OF TANK OWNER: B

DATE: 4-12-11 **OWNER'S PHONE #:** 559-277-2828

NOTE: 1) SUBMIT THIS COMPLETED FORM TO THE LOCAL AGENCY (NOT THE STATE WATER RESOURCES CONTROL BOARD) BY JANUARY 1, 2005. THE LOCAL AGENCY LIST IS AVAILABLE AT: www.waterboards.ca.gov/ust/contacts/cupa_agys.html.

2) NOTIFY THE LOCAL AGENCY OF ANY CHANGES TO THIS INFORMATION WITHIN 30 DAYS OF THE CHANGE.

TO VERIFY AUTHENTICITY OF THIS DOCUMENT YOU MUST [illegible] OVER AND RUB THE PEARSON VUE LOGO WITH FINGER. AUTHE[illegible] DOCUMENT WILL CHANGE COLOR FROM ORANGE TO YELLOW

INTERNATIONAL CODE COUNCIL

California UST System Operator

Candidate ID: XX4141013644

Name: JUNE MILNER

Date: 3/25/2009

Address: 1598 N BLYTHE AVE

Birth Date: 6/16/1949

FRESNO CA 93722

EXAMINATION RESULT: **PASS**

Congratulations! You have passed the California UST System Operator examination. Your wallet card and certificate will be forwarded to you by ICC within six weeks from the last day of the month in which you tested. This certificate is current for two years.

It is extremely important that you notify Pearson VUE and ICC of any changes in name and/or address to avoid the possibility of your certificate not being received. Please contact Pearson VUE at 800-275-8301 and ICC at 888-422-7233 ext. 33815 with changes to your name and address. There may be an additional fee if a certification is re-issued due to a misspelled name or incorrect address.

THE FACE OF THIS DOCUMENT HAS A MULTI COLORED BACKGROUND THAT CHANGES COLOR GRADUALLY AND EVENLY FROM DARK TO LIGHT WITH DARKER AREAS BOTH LEFT AND RIGHT

Owner Statements of Designated Underground Storage Tank (UST) Operator and Understanding of and Compliance with UST Requirements

Facility Name: Chase Lebec Shell	Facility ID #:
Facility Address: 9069 Grapevine Road Lebec, CA. 93243	Reason for Submitting this Form *(Check One)* Change of Designated Operator X Update Certificate Expiration Date
Facility Phone #: 661-322-4774	

CR-2442

Designated UST Operator(s) for this Facility

PRIMARY

Designated Operator's Name:	Jerry D. Hagerty	Relation to UST Facility *(Check One)*
Business Name:	J and J Enterprises	☐ Owner ☐ Operator ☐ Employee
Designated Operator's Phone #:	209-363-8664/559-276-8664	☐ Service Technician X Third-Party
International Code Council Certification #:	5302164-UC	Expiration Date: 1-14-2011

ALTERNATE 1 *(Optional)*

Designated Operator's Name:	June K. Milner	Relation to UST Facility *(Check One)*
Business Name *(If different from above)*:		☐ Owner ☐ Operator ☐ Employee
Designated Operator's Phone #:	559-647-8325/559-276-8664	☐ Service Technician X Third-Party
International Code Council Certification #:	5307863-UC	Expiration Date: 3-25-2011

ALTERNATE 2 *(Optional)*

Designated Operator's Name:		Relation to UST Facility *(Check One)*
Business Name *(If different from above)*:		☐ Owner ☐ Operator ☐ Employee
Designated Operator's Phone #:		☐ Service Technician ☐ Third-Party
International Code Council Certification #:		Expiration Date:

I certify that, for the facility indicated at the top of this page, the individual(s) listed above will serve as Designated UST Operator(s). The individual(s) will conduct and document monthly facility inspections and annual facility employee training, in accordance with California Code of Regulations, title 23, section 2715(c) - (f).

Furthermore, I understand and am in compliance with the requirements (statutes, regulations, and local ordinances) applicable to underground storage tanks.

NAME OF TANK OWNER (Please Print): Bob Shiralian

SIGNATURE OF TANK OWNER: B

DATE: 4-6-09 **OWNER'S PHONE #:** 559-277-2828

NOTE: 1) SUBMIT THIS COMPLETED FORM TO THE LOCAL AGENCY (NOT THE STATE WATER RESOURCES CONTROL BOARD) BY JANUARY 1, 2005. THE LOCAL AGENCY LIST IS AVAILABLE AT: www.waterboards.ca.gov/ust/contacts/cupa_agys.html.

2) NOTIFY THE LOCAL AGENCY OF ANY CHANGES TO THIS INFORMATION WITHIN 30 DAYS OF THE CHANGE.

Owner Statements of Designated Underground Storage Tank (UST) Operator and Understanding of and Compliance with UST Requirements

Facility Name: Chase Inc. Lebec Shell	Facility ID #:
Facility Address: 9069 E. Grapevine Rd. Lebec 93243	Reason for Submitting this Form *(Check One)* Change of Designated Operator X Update Certificate Expiration Date
Facility Phone #: 661-322-7447	

CR-2442

Designated UST Operator(s) for this Facility

PRIMARY

Designated Operator's Name:	Jerry D. Hagerty	Relation to UST Facility *(Check One)*
Business Name:	J and J Enterprises	☐ Owner ☐ Operator ☐ Employee
Designated Operator's Phone #:	559-276-8664	☐ Service Technician X Third-Party
International Code Council Certification #:	5302164-UC	Expiration Date: 1-14-2011

ALTERNATE 1 *(Optional)*

Designated Operator's Name:	June K. Milner	Relation to UST Facility *(Check One)*
Business Name *(If different from above)*:		☐ Owner ☐ Operator ☐ Employee
Designated Operator's Phone #:	559-647-8325	☐ Service Technician X Third-Party
International Code Council Certification #:	5307863-UC	Expiration Date: 3-31-09

ALTERNATE 2 *(Optional)*

Designated Operator's Name:		Relation to UST Facility *(Check One)*
Business Name *(If different from above)*:		☐ Owner ☐ Operator ☐ Employee
Designated Operator's Phone #:		☐ Service Technician ☐ Third-Party
International Code Council Certification #:		Expiration Date:

I certify that, for the facility indicated at the top of this page, the individual(s) listed above will serve as Designated UST Operator(s). The individual(s) will conduct and document monthly facility inspections and annual facility employee training, in accordance with California Code of Regulations, title 23, section 2715(c) - (f).

Furthermore, I understand and am in compliance with the requirements (statutes, regulations, and local ordinances) applicable to underground storage tanks.

NAME OF TANK OWNER (Please Print): Bob Shiralian

SIGNATURE OF TANK OWNER: B

DATE: 2-19-09 **OWNER'S PHONE #:** 559-277-2828

NOTE: 1) SUBMIT THIS COMPLETED FORM TO THE LOCAL AGENCY (NOT THE STATE WATER RESOURCES CONTROL BOARD) BY JANUARY 1, 2005. THE LOCAL AGENCY LIST IS AVAILABLE AT: www.waterboards.ca.gov/ust/contacts/cupa_agys.html.

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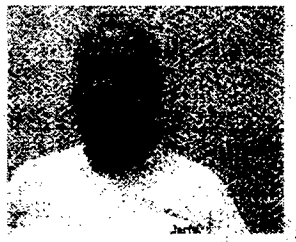
ENTICITY OF THIS DOCUMENT YOU MUST TURN AND RUB THE PEARSON VUE LOGO WITH FINGER. AUTHENTIC DOCUMENT WILL CHANGE COLOR FROM ORANGE TO YELLOW

INTERNATIONAL CODE COUNCIL

California UST System Operator



Candidate ID: XX4141046009

Name: JERRY HAGRTY

Date: 1/14/2009

Address: JERRY HAGERTY
1598 NDLYTHE AVE
1598 N BLYTHE AVE

Birth Date: 5/12/1943

FRESNO CA 93722

EXAMINATION RESULT: **PASS**

Congratulations! You have passed the California UST System Operator examination. Your wallet card and certificate will be forwarded to you by ICC within six weeks from the last day of the month in which you tested. This certificate is current for two years.

It is extremely important that you notify Pearson VUE and ICC of any changes in name and/or address to avoid the possibility of your certificate not being received. Please contact Pearson VUE at 800-275-8301 and ICC at 888-422-7233 ext. 33815 with changes to your name and address. There may be an additional fee if a certification is re-issued due to a misspelled name or incorrect address.

RECEIVED

JAN 31 2008

KERN COUNTY
ENVIRONMENTAL HEALTH SERVICES

MONITORING PLAN
COVER SHEET

FACILITY INFORMATION

Name: Hebec Shell Chase Inc.

Operator: Hisham (manager) Facility ID #:

Address: 9069 Grapevine Rd.

City: Hebec State: CA. Zip: 93243

TANK OWNER INFORMATION

Name: Bob Shiralian

Address: 4180 W. Alamos Ave. #104

City: Fresno State: CA. Zip: 93722

** If the tank owner and operator are not the same, an owner/operator agreement form must be completed and submitted to the Kern County Environmental Health Services Department.

PERSON RESPONSIBLE FOR MONITORING

Name: Hisham Title: Store Manager

TRAINING

Describe the training necessary for the operation of the UST system, including piping and monitoring equipment:

Jane Milner our UST operator once a month visits and Trains employees if necessary.

SUBMITTED BY

Name: Sheila Darcy Title: Chase Inc. Rep.

Phone: 559-275-2603 Date: 1-23-08

A copy of the monitoring plan is to be kept on site with the Permit to Operate

---

INTERNAL USE ONLY

Approved by: Date:

EMERGENCY RESPONSE PLAN FORM
UNDERGROUND STORAGE TANK MONITORING PROGRAM

Facility Name: Lebec Shell Chase Inc.

Facility Address: 9069 Grapevine Rd. Lebec, CA. 93243

1. If an unauthorized release occurs, how will the hazardous substance be cleaned up?

Note: If released hazardous substances reach the environment, increase the fire or explosion hazard, are not cleaned up from the secondary containment within 8 hours, or deteriorate the secondary containment, the Kern County Environmental Health Services Department must be notified within 24 hours.

911 will be called.
Private Contractor will be retained for clean-up.
And Environmental Health Dept. will be notified within required time.

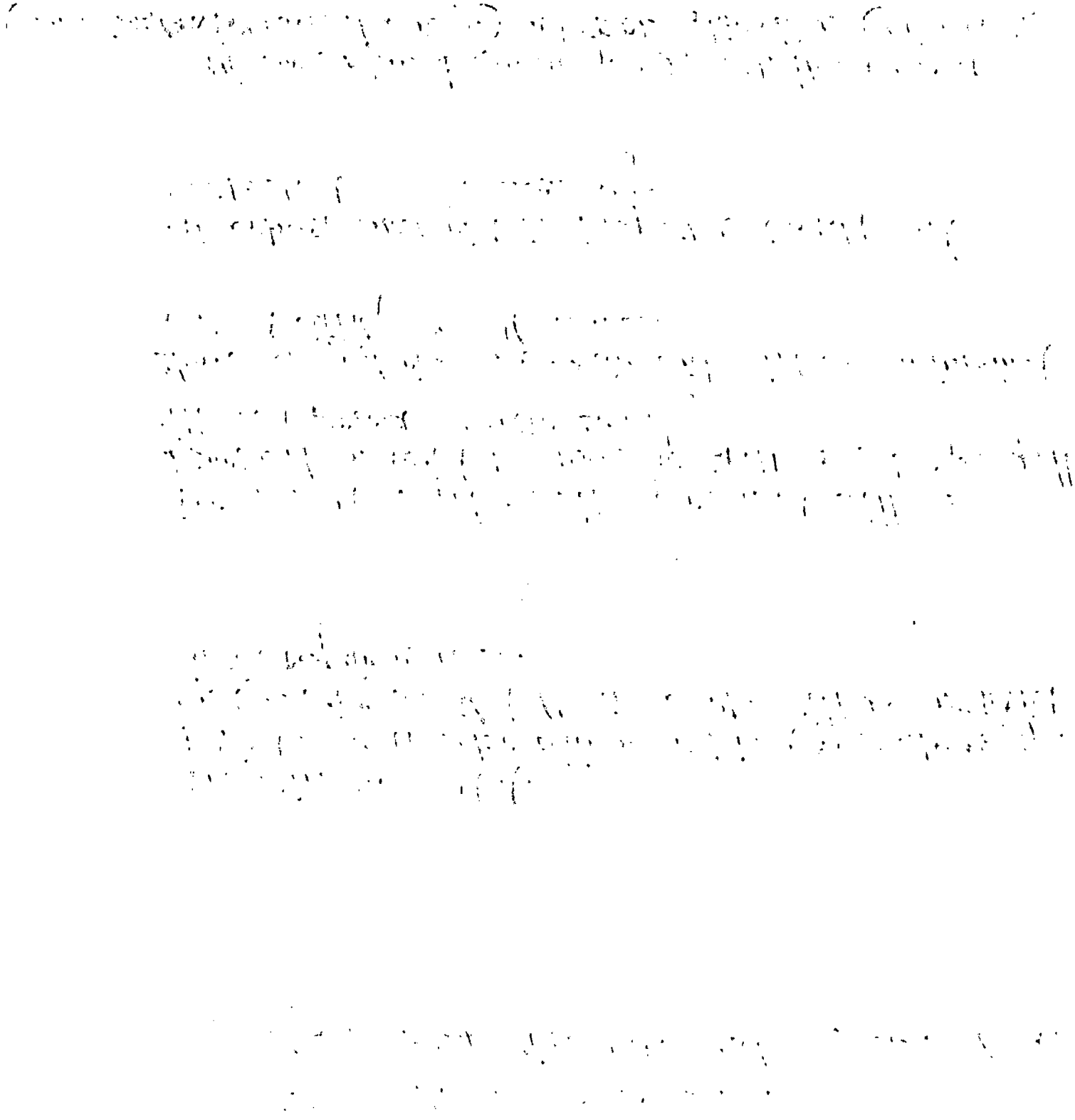
2. Describe the proposed methods and equipment to be used for removing and properly disposing of any hazardous substances.

For small spill on site personnel will use absorbent material to clean-up spill. For large spill will call private contractor.

3. Describe the location and availability of the required cleanup equipment in item 2 above.
Clean-up material and equipment will be maintained at the Facility at all times.

4. Describe the maintenance schedule for the cleanup equipment.
Absorbent material is inspected weekly and restocked as necessary.

5. List the name(s) and title(s) of the person(s) responsible for authorizing any work necessary under the response plan:
Hisham Ahmad (manager), Soheila Darcy (Chase Inc. Environmental Rep.) and Bob Shiralian (owner).



MONITORING PLAN LEBEC SHELL

TANKS

DOUBLE WALLED (JACKETED) TANKS

The double walled (jacketed) tanks have a continuous leak monitoring system in the annular space. The system is a Veeder Root TLS 350 (make and model) and is located Behind Counter (panel location). The system is connected to an audible and visual alarm.

The alarm panel is inspected daily for power and alarm status and is documented on a daily log sheet.

For hydrostatic annular monitoring systems, if monitoring indicates a possible unauthorized release, the presence or absence of hazardous substance in the interstitial space will be determined by Contractor (method used).

PIPING

DOUBLE WALLED PIPING

The double walled piping has a continuous leak monitoring system in the turbine sump. The system is a Veeder Root TLS 350 (make and model) and is located Behind Counter (panel location). The system is connected to an audible and visual alarm.

The alarm panel is inspected daily for power and alarm status and is documented on a daily log sheet.

- AND -

Positive Shut Down Options for Pressurized Piping

The monitoring system shuts down the turbine when a release is detected and if the continuous monitoring system fails or is disconnected.

DISPENSER PANS

The dispenser pans are monitored using a continuous leak monitoring system. The system is a Veeder Root TLS 350 (make and model) and is connected to an audible and visual alarm. The system is located Behind counter (panel location).

The alarm panel is inspected daily for power and alarm status and is documented on a daily log sheet.

The dispenser pans are monitored using a continuous leak monitoring system. The system is a _____ (make and model) and stops the flow of product at the dispenser when a leak in detected.

- AND -

The monitoring system shuts down the turbine when a release is detected and if the continuous monitoring system fails or is disconnected.

OVERFILL AND SPILL PREVENTION

Each tank fill opening is equipped with an approved spill prevention container of minimum five gallon capacity. The container is equipped with a drain valve to permit spilled hazardous material to be drained into the tank primary containment.

- AND -

Each tank fill opening is equipped with an approved overfill prevention device which cannot allow manual override and alerts the transfer operator when the tank is 90% full by restricting the flow into the tank or by triggering an audible and visual alarm. **OR**

Each tank fill opening is equipped with an approved overfill prevention device which cannot allow manual override and restricts the flow to the tank at least 30 minutes prior to tank overfill, the restriction occurs at no more than 95% of the tank capacity and triggers an audible and visual alarm at least five minutes prior to tank overfill. **OR**

Each tank fill opening is equipped with an approved overfill prevention device which cannot allow manual override and provides positive shut-off (100%) of flow to the tank when the tank is no more than 95 % full.

MONITORING EQUIPMENT MAINTENANCE (All facilities)

Equipment and devices used to monitor the UST system will be calibrated, operated, and maintained in accordance with the manufacturer's instructions, including routine maintenance and service checks at least once per calendar year for operability or running condition. The Kern County Environmental Health Services Department will be notified at least two working days prior to the annual certification and the results submitted within 30 days.

SECONDARY CONTAINMENT TESTING

The secondary containment systems (i.e. tanks, piping, turbine (piping) sumps, fill sumps, and dispenser pans) will be tested every 36 months with the first test completed before January 1, 2003.

RECORD RETENTION

Written monitoring records will be maintained on site or at Behind Counter (an approved location) for the following periods of time:

Three years for monitoring and maintenance records

Five years for written performance claims pertaining to release detection systems and calibration/maintenance records for such systems.

State of California
State of Water Resources Control Board
Division of Financial Assistance
P.O. Box 944212
Sacramento, CA 94244-2120

(Instructions on reverse side)

For State Use Only

RECEIVED
DEC 14
KERN COUNTY
ENVIRONMENTAL HEALTH SERVICES

CERTIFICATION OF FINANCIAL RESPONSIBILITY

FOR UNDERGROUND STORAGE TANKS CONTAINING PETROLEUM

A. I am required to demonstrate Financial Responsibility in the required amounts as specified in Section 2807, Chapter 18, Div. 3, Title 23, CCR:

☐ 500,000 dollars per occurrence
or
☒ 1 million dollars per occurrence

AND

☒ 1 million dollars annual aggregate
or
☐ 2 million dollars annual aggregate

B. Bob Shiralian *hereby certifies that it is in compliance with the requirements of*
(Name of Tank Owner or Operator)
California Code of Regulations, Title 23, Division 3, Chapter 18, Article 3, Section 2807.
The mechanisms used to demonstrate financial responsibility as required by Section 2807 are as follows:

C. Mechanism Type	Name and Address of Issuer	Mechanism Number	Coverage Amount	Coverage Period	Corrective Action	Third Party Comp
State UST Fund		UST clean up Fund	995,000 per occurrance and annual aggregate	continuous	yes	yes
Chief Financial offices letter	Chase Inc. Lebec Shell 4180 W. Alamos #104 Fresno, CA. 93722	—	$5K / occurrance	Annual	yes	yes

Note: If you are using the State Fund as any part of your demonstration of financial responsibility, your execution and submission of this certification also certifies that you are in compliance and shall maintain compliance with all conditions for participation in the Fund. See instructions.

D. Facility Name	Facility Address
Chase Inc. Lebec Shell	9069 Grapevine Rd Lebec 93243
Facility Name	Facility Address
Facility Name	Facility Address

E. Signature of Tank Owner or Operator	Date	Name and Title of Tank Owner or Operator
B	6/5/07	Bob Shiralian owner
Signature of Witness or Notary	Date	Name of Witness or Notary
	/ /	

INSTRUCTIONS

CERTIFICATION OF FINANCIAL RESPONSIBILITY

Please type or print information clearly. All UST sites owned or operated may be listed on one form, therefore, a separate certification is not required for each site.

DOCUMENT INFORMATION (by sections)

A. **Coverage Required** — Check the appropriate boxes.

B. **Name of Tank Owner or Operator** — Full name of either the tank owner or the operator.

C. **Mechanism Type** — Indicate which approved mechanism(s) are being used to show financial responsibility either as contained in the federal regulations, 40 CFR Part 280 Subpart H, Sections 280.93 through 280.107, or Section 2808.1 Chapter 18, Div. 3, Title 23, CCR (see the Financial Responsibility Guide for more information at: http://www.waterboards.ca.gov/cwphome/ustcf/financialresponsibility.htm).

If using the State Cleanup Fund to demonstrate financial responsibility, you must meet all applicable eligibility requirements contained in California Health and Safety Code, Chapter 6.75, Division 20 and Title 23 of the California Code of Regulations, Division 3, Chapter 18. The payment of UST storage fees imposed pursuant to Article 5 of Chapter 6.75 of Division 20 of the Health and Safety Code does not guarantee funding – persons using the State Cleanup Fund must satisfy all applicable eligibility requirements.

Name of Issuer — List all names and addresses of companies and/or individuals issuing coverage.

Mechanism Number — List identifying number for each mechanism used. Example: insurance policy number, Letter of Credit number, etc. If using the State UST Cleanup Fund, leave blank.

Coverage Amount — Indicate amount of coverage for each listed mechanism. If more than one mechanism is indicated, Total must equal 100% of financial responsibility for each site.

Coverage Period — Indicate the effective date(s) of all mechanisms. State Cleanup Fund coverage is continuous as long as you maintain compliance and remain eligible to participate in the Fund.

Corrective Action — Indicate yes or no. Does the specified financial assurance mechanism provide coverage for corrective action? It is a required coverage. If using the State Cleanup Fund, indicate "Yes".

Third Party Compensation — Indicate yes or no. Does the specified financial assurance mechanism provide coverage for corrective action? It is a required coverage. If using the State Cleanup Fund, indicate "Yes".

D. **Facility Information** — Provide all facility and/or site names and addresses.

E. **Signature Block** — Provide signature and date signed by tank owner or operator; printed or typed name and title of tank owner or operator; signature of witness or notary and date signed; and printed or typed name of witness or notary. (If a notary signs, please attach documentation.)

Where to Mail Certification:
Please send the original to your local agency(ies) [agency(ies) that issues the UST permits]. Keep a copy of the certification at each listed site. For information for your local agency(ies), refer to http://www.calcupa.net/cupacontactlist.xls.

Questions:
If you have questions about financial responsibility requirements or about the Certification of Financial Responsibility form, please contact the State Water Resources Control Board, Underground Storage Tank Cleanup Fund at 1-800-813-FUND (3863) or refer to http://www.waterboards.ca.gov/cwphome/ustcf/howtocontactus.htm.

Note: **Penalties for Failure to Comply with Financial Responsibility Requirements:**
Failure to comply may result in: 1) Jeopardizing claimant eligibility for the State Cleanup Fund, and 2) Liability for civil penalties of up to $10,000 per day, per underground storage tank, for each of day of violation as stated in Article 7, Section 25299.76(a) of the California Health and Safety Code.

NOTE: **Effective July 1, 1995, California Small Businesses and California Businesses with 500 employees or less must demonstrate at least $5,000, exclusive of the UST Cleanup Fund, businesses with over 500 employees must demonstrate at least $10,000. (Chap. 6.75 H&SC, Sect. 25299.32)**

The Chief Financial Officer or the owner or operator must sign, under penalty of perjury, a letter worded EXACTLY as follows or you may complete this letter by filling in the blanks with appropriate information:

LETTER FROM CHIEF FINANCIAL OFFICER

I am the Chief Financial Officer for Chase Inc.
(Business name, business address, and correspondence address of owner or operator)
4180 W. Alamos #104 Fresno, CA. 93722

This letter is in support of the use of the **Underground Storage Tank Cleanup Fund** to demonstrate financial responsibility for taking corrective action and/or compensating third parties for bodily injury and property damage caused by an unauthorized release of petroleum in the amount of at least $ 5,000 (Dollar Amount) per occurrence and $ 5,000 (Dollar Amount) annual aggregate coverage.

Underground storage tanks at the following facilities are assured by this letter:

Chase Inc. Lebec Shell
(Name and address of each facility for which financial responsibility is being demonstrated.)
9069 W. Grapevine RD Lebec, CA. 93243

1.	Amount of annual aggregate coverage being assured by this letter.....	$ 5,000
2.	Total tangible assets.....	$ N/A
3.	Total liabilities.....	$ N/A
4.	Tangible net worth (subtract line 3 from line 2. Line 4 must be at least 10 times line 1).....	$ 50,000

I hereby certify that the wording of this letter is identical to the wording specified in subsection 2808.1(d)(1), Chapter 18, Division 3, Title 23 of the California Code of Regulations.

I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge and belief.

Executed at _____
(Place of Execution)

On 6-15-07
(Date)

B
(Signature)

Bob Shirazian
(Printed Name)

_____
(Title)

UST 02FR revised 4/95

Aug 03 05 07:02a TC Env.Health Svc. HHSA 733 6932 p.15

Owner Statements of Designated Underground Storage Tank (UST) Operator and Understanding of and Compliance with UST Requirements

RECEIVED
APR - 4 2007
KERN COUNTY
ENVIRONMENTAL HEALTH SERVICES

Facility Name:	Facility ID #: 2442
Facility Address:	Reason for Submitting this Form *(Check One)*
	X Change of Designated Operator
Facility Phone #:	☐ Update Certificate Expiration Date

Designated UST Operator(s) for this Facility

PRIMARY

Designated Operator's Name:	Jerry D. Hagerty	Relation to UST Facility *(Check One)*
Business Name:	J and J Enterprises	☐ Owner ☐ Operator ☐ Employee
Designated Operator's Phone #:	559-276-8664	☐ Service Technician X Third-Party
International Code Council Certification #:	5302164-UC	Expiration Date: 1/20/09

ALTERNATE 1 *(Optional)*

Designated Operator's Name:	June K. Milner	Relation to UST Facility *(Check One)*
Business Name *(If different from above)*:		☐ Owner ☐ Operator ☐ Employee
Designated Operator's Phone #:	559-647-8325	☐ Service Technician X Third-Party
International Code Council Certification #:	MIKO1902 LaserGrade ID	Expiration Date: 3-31-09

ALTERNATE 2 *(Optional)*

Designated Operator's Name:		Relation to UST Facility *(Check One)*
Business Name *(If different from above)*:		☐ Owner ☐ Operator ☐ Employee
Designated Operator's Phone #:		☐ Service Technician ☐ Third-Party
International Code Council Certification #:		Expiration Date:

I certify that, for the facility indicated at the top of this page, the individual(s) listed above will serve as Designated UST Operator(s). The individual(s) will conduct and document monthly facility inspections and annual facility employee training, in accordance with California Code of Regulations, title 23, section 2715(c) - (f).

Furthermore, I understand and am in compliance with the requirements (statutes, regulations, and local ordinances) applicable to underground storage tanks.

NAME OF TANK OWNER (Please Print): _____

SIGNATURE OF TANK OWNER: _____

DATE: _____ **OWNER'S PHONE #:** _____

NOTE: 1) SUBMIT THIS COMPLETED FORM TO THE LOCAL AGENCY (NOT THE STATE WATER RESOURCES CONTROL BOARD) BY JANUARY 1, 2005. THE LOCAL AGENCY LIST IS AVAILABLE AT: www.waterboards.ca.gov/ust/contacts/cupa_agys.html.

2) NOTIFY THE LOCAL AGENCY OF ANY CHANGES TO THIS INFORMATION WITHIN 30 DAYS OF THE CHANGE.

THE FACE OF THIS DOCUMENT HAS A MULTI COLORED BACKGROUND THAT CHANGES COLOR GRADUALLY AND EVENLY FROM LEFT TO RIGHT WITH DARKER AREAS BOTH LEFT AND RIGHT

INTERNATIONAL CODE COUNCIL

California UST System Operator

Promissor ID: XX4141030948

Name: JERRY HAGERTY

Address: 1598 N BLYTHE

FRESNO CA 93722

Date: 01/20/2007

Birth Date: 05/12/1943

SSN: 573568725

EXAMINATION RESULT: **PASS**

Congratulations! You have passed the California UST System Operator examination. Your wallet card and certificate will be forwarded to you by ICC within six weeks from the last day of the month in which you tested. This certificate is current for two years.

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INTERNATIONAL CODE COUNCIL

JERRY D HAGERTY
CALIFORNIA UST SYSTEM OPERATOR

The individual named hereon is CERTIFIED in the category shown, having been so certified pursuant to successful completion of the prescribed written examination.

Expiration date: **January 20, 2009**

No. **5302164-UC**

Not valid unless signed by certificate holder.

ICC certification attests to competent knowledge of codes and standards.

LaserGrade
COMPUTER TESTING

Computer Test Report

International Code Council

Computer Exam Report

DATE: 03/31/2007

EXAM TITLE:
CA Underground Storage Tank System Operator - UC (CUO)

NAME: MILNER, JUNE LOCATOR: MIKO1902

EXAMINATION RESULT: PASS

Congratulations! You have passed the
CA Underground Storage Tank System Operator - UC (CUO)
Your ICC certificate and wallet card will be mailed to you within six weeks after the end of the month in which you passed the exam.

Your name as it appears above on this notice will be printed on your certificate and wallet card. It is very important that you notify LaserGrade and ICC of any changes in your name and/or address.

ICC requires a change of address in writing. Please fax your change of address to ICC at (562) 692-2845 or mail it to:

ICC Certification Services
5360 Workman Mill Road
Whittier, CA 90601-2298

DO NOT LOSE THIS REPORT

Sincerely,

LaserGrade

LaserGrade Computer Testing
P O Box 87245
Vancouver, WA 98687-7245
800-211-2754 or 360-896-9111
www.lasergrade.com

Applicant Locator: MIKO1902
Testing provided by: LAS93202
King-Sheffield Hanford Flt Ctr LLC
775 Foggy Bottom Road
Hanford, CA 93230
559-582-3974

KERN COUNTY STATIONS BY CITY

Buttonwillow:	Chase Mobil 20661 Tracy Ave.	93206
Lebec:	Chase Tejon Mobil 9012 Grapevine Road	93243
	Chase Tejon Shell 9069 Grapevine Road	93243
Lost Hills:	Chase 76 21970 Hwy 46	93249

Owner Statements of Designated Underground Storage Tank (UST) Operator and Understanding of and Compliance with UST Requirements

Facility Name: Lebec Shell Chase Inc.	Facility ID #: 2442
Facility Address: 9069 Grapevine Rd Lebec 93243	Reason for Submitting this Form *(Check One)*
Facility Phone #: (661) 322-4774	X Change of Designated Operator
	☐ Update Certificate Expiration Date

Designated UST Operator(s) for this Facility

PRIMARY

Designated Operator's Name:	Jerry D. Hagerty	Relation to UST Facility *(Check One)*
Business Name:	J and J Enterprises	☐ Owner ☐ Operator ☐ Employee
Designated Operator's Phone #:	559-276-8664	☐ Service Technician X Third-Party
International Code Council Certification #:	4141030948 Promissor ID	Expiration Date: 1/20/09

ALTERNATE 1 *(Optional)*

Designated Operator's Name:	Relation to UST Facility *(Check One)*
Business Name *(If different from above)*:	☐ Owner ☐ Operator ☐ Employee
Designated Operator's Phone #:	☐ Service Technician ☐ Third-Party
International Code Council Certification #:	Expiration Date:

ALTERNATE 2 *(Optional)*

Designated Operator's Name:	Relation to UST Facility *(Check One)*
Business Name *(If different from above)*:	☐ Owner ☐ Operator ☐ Employee
Designated Operator's Phone #:	☐ Service Technician ☐ Third-Party
International Code Council Certification #:	Expiration Date:

I certify that, for the facility indicated at the top of this page, the individual(s) listed above will serve as Designated UST Operator(s). The individual(s) will conduct and document monthly facility inspections and annual facility employee training, in accordance with California Code of Regulations, title 23, section 2715(c) - (f).

Furthermore, I understand and am in compliance with the requirements (statutes, regulations, and local ordinances) applicable to underground storage tanks.

NAME OF TANK OWNER (Please Print): Bob Shiralian

SIGNATURE OF TANK OWNER: B

DATE: 1-25-07 **OWNER'S PHONE #:** 277-2828

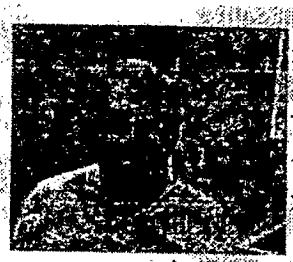
NOTE: 1) SUBMIT THIS COMPLETED FORM TO THE LOCAL AGENCY (NOT THE STATE WATER RESOURCES CONTROL BOARD) BY JANUARY 1, 2005. THE LOCAL AGENCY LIST IS AVAILABLE AT: www.waterboards.ca.gov/ust/contacts/cupa_agys.html.

2) NOTIFY THE LOCAL AGENCY OF ANY CHANGES TO THIS INFORMATION WITHIN 30 DAYS OF THE CHANGE.

THE FACE OF THIS DOCUMENT HAS A MULTI COLORED BACKGROUND THAT CHANGES COLOR GRADUALLY AND EVENLY FROM DARK TO LIGHT WITH DARKER AREAS BOTH LEFT AND RIGHT

INTERNATIONAL CODE COUNCIL

California UST System Operator



Promissor ID: XX4141030948

Name: JERRY HAGERTY

Address: 1598 N BLYTHE

FRESNO CA 93722

Date: 01/20/2007

Birth Date: 05/12/1943

SSN: 573568725

EXAMINATION RESULT: **PASS**

Congratulations! You have passed the California UST System Operator examination. Your wallet card and certificate will be forwarded to you by ICC within six weeks from the last day of the month in which you tested. This certificate is current for two years.

It is extremely important that you notify Promissor and ICC of any changes in name and/or address to avoid the possibility of your certificate not being received. Please contact Promissor at 800-275-8301 and ICC at 888-422-7233 ext. 33815 with changes to your name and address. There may be an additional fee if a certification is re-issued due to a misspelled name or incorrect address.

12-27-05 10:38 RCVD

Owner Statements of Designated Underground Storage Tank (UST) Operator and Understanding of and Compliance with UST Requirements

330035/002442

Facility Name: Shell - 121190	Facility ID #: 121190
Facility Address: 9069 GRAPEVINE ROAD WEST I-5 LEBEC, CA	Reason for Submitting this Form *(Check One)* [X] Change of Designated Operator
Facility Phone #: 661-322-4774	☐ Update Certificate Expiration Date

Designated UST Operator(s) for this Facility

PRIMARY

Designated Operator's Name: Tuan Phan	Relation to UST Facility *(Check One)*
Business Name *(If different from above):*	☐ Owner ☐ Operator ☐ Employee
Designated Operator's Phone #: 626.716.1962	☐ Service Technician [X] Third-Party
International Code Council Certification #: 5252381-UC	Expiration Date: 1/13/2007

ALTERNATE 1 ***(Optional)***

Designated Operator's Name: ***refer to backup document***	Relation to UST Facility *(Check One)*
Business Name *(If different from above):*	☐ Owner ☐ Operator ☐ Employee
Designated Operator's Phone #: ***refer to backup document***	☐ Service Technician [X] Third-Party
International Code Council Certification #: ***refer to backup document***	Expiration Date: ***refer to backup document***

ALTERNATE 2 ***(Optional)***

Designated Operator's Name: ***refer to backup document***	Relation to UST Facility *(Check One)*
Business Name *(If different from above):*	☐ Owner ☐ Operator ☐ Employee
Designated Operator's Phone #: ***refer to backup document***	☐ Service Technician [X] Third-Party
International Code Council Certification #: ***refer to backup document***	Expiration Date: ***refer to backup document***

I certify that, for the facility indicated at the top of this page, the individual(s) listed above will serve as Designated UST Operator(s). The individual(s) will conduct and document monthly facility inspections and annual facility employee training, in accordance with California Code of Regulations, title 23, section 2715(c) - (f).

Furthermore, I understand and am in compliance with the requirements (statutes, regulations, and local ordinances) applicable to underground storage tanks.

NAME OF TANK OWNER (Please Print): **Shell Oil Products US**

SIGNATURE OF TANK OWNER: Tim Woodson for Sopus

Tim Woodson on behalf of Shell Oil Products US

Date: 11/15/2005

Owner's Phone#: Main: 310-816-2207
HSE CC Cell: 925-766-3494

NOTE: 1) SUBMIT THIS COMPLETED FORM TO THE LOCAL AGENCY (NOT THE STATE WATER RESOURCES CONTROL BOARD) BY JANUARY 1, 2005. THE LOCAL AGENCY LIST IS AVAILABLE AT: http://www.waterboards.ca.gov/ust/contacts/
2) NOTIFY THE LOCAL AGENCY OF ANY CHANGES TO THIS INFORMATION WITHIN 30 DAYS OF THE CHANGE.

DECEMBER 2005

The following is a complete current list of California Designated UST Operators from Delta Environmental Consultants, Inc. that may be performing services at this facility. The intent of this list is to provide the regulatory agencies with additional alternates that may be conducting inspections. The Primary Designated Operator listed on the submittal letter cover page may be duplicated on this list.

Name	ICC number	Exp ICC date
Aaron Baird	5234524-UC	5/27/2006
Becky Gorman	5234537-UC	5/27/2006
Brian Ellsworth	5263224-UC	7/7/2007
Dan Gift	5244488-UC	10/8/2006
David Reznik	5248756-UC	12/20/2006
Heidi Vallies	5242490-UC	10/7/2006
James Cusick	5248678-UC	12/18/2006
Jeff Musgrave	5243186-UC	9/29/2006
Jim Kasdorf	5240462-UC	12/21/2006
Joseph Jiminez	5249182-UC	12/29/2006
Kristin Daza	5248153-UC	12/30/2006
Larry Riggins	5243198-UC	9/29/2006
Lynn Imperial	5249046-UC	12/30/2006
Matt Lattin	5263293-UC	7/7/2007
Matt Osowski	5234526-UC	5/27/2006
Michael Colombo	5234428-UC	5/14/2006
Michael Sanchez	5243872-UC	10/4/2006
Michael VanderPlaats	5236491-UC	6/4/2006
Michelle Bryant	5249193-UC	12/22/2006
Oswald Gomez	5249253-UC	12/30/2006
Patrick Kanchy	5248953-UC	1/5/2007
Robert Boynton	5248996-UC	12/20/2006
Ross Williams	5241001-UC	8/25/2006
Ruben Pena	5261257-UC	7/5/2007
Sarah McCormick	5248744-UC	12/22/2006
Sean Julie	5242584-UC	1/7/2007
Sean Peacher	5240968-UC	10/14/2006
Shane Flores	5249001-UC	12/29/2006
Shelia Rogan	5241006-UC	8/25/2006
Shelley Shaul	5248619-UC	12/1/2006
Steve Woods	5248799-UC	12/22/2006
Steven Boyd	5240960-UC	8/20/2006
Thomas Fonseca	5266700-UC	08/03/07
Tony Duncan	5246340-UC	11/6/2006
Tracy Nguyen	5238629-UC	8/11/2006
Eric Meeker	5242511-UC	9/17/2006
Joel E. Crawford	5240664-UC	8/12/2006
Tuan Phan	5252381-UC	1/13/2007

Shaw Environmental, Inc.

2510 West 237th Street, Suite 120
Torrance, CA 90505-5234
310.257.0555
Fax 310.257.0550

Shaw™ Shaw Environmental, Inc.

330035/002442

RECEIVED
DEC 05 2005
UST CLEANUP FUND

Duplicate

April 19, 2005

Judi Nash
State Water Resources Control Board
Underground Storage Tank Cleanup Fund
1001 I Street
Sacramento, CA 85814

Subject: Certification of Financial Responsibility
Shell/Equilon/Texaco Claims

Dear Ms. Nash:

On behalf of Deborah Pryor of Shell Oil Products US, we are submitting the Certification of Financial Responsibility Form and the Shell Oil Products US, Underground Storage Tank Liability Endorsement paperwork. Also, enclosed is a list of sites covered by these documents.

Please do not hesitate to contact either Deborah Pryor at (323) 291-9595 or Nancy Johnson at (310) 257-0555 should you have any questions.

Sincerely
Shaw Environment, Inc.

Nancy Johnson
Reimbursement Project Manager

Cc: Deborah Pryor, Shell Oil Products US

State of California
State of Water Resources Control Board
Division of Clean Water Programs
P.O. Box 944212
Sacramento, CA 94244-2120

(Instructions on reverse side)

For State Use Only

CERTIFICATION OF FINANCIAL RESPONSIBILITY

FOR UNDERGROUND STORAGE TANKS CONTAINING PETROLEUM

A. I am required to demonstrate Financial Responsibility in the Required amounts as specified in Section 2807, Chapter 18, Div. 3, Title 23, CCR:

☐ 500,000 dollars per occurrence or ☒ 1 million dollars per occurrence

AND

☐ 1 million dollars annual aggregate or ☒ 2 million dollars annual aggregate

B. Shell Oil Products US (Name of Tank Owner or Operator) *hereby certifies that it is in compliance with the requirements of Section 2807, Article 3, Chapter 18, Division 3, Title 23, California Code of Regulations.*
The mechanisms used to demonstrate financial responsibility as required by Section 2807 are as follows:

C. Mechanism Type	Name and Address of Issuer	Mechanism Number	Coverage Amount	Coverage Period	Corrective Action	Third Party Comp
Insurance Policy	Zurich American Insurance Company 1400 American Lane Schaumburg, Il. 60196-1056	GL09307950-02	$1,000,000 per occurrence $2,000,000 annual aggregate	1/1/05 to 1/1/06	Yes	Yes

Note: If you are using the State Fund as any part of your demonstration of financial responsibility, your execution and submission of this certification also certifies that you are in compliance with all conditions for participation in the Fund.

D. Facility Name	Facility Address
See Attached List	See Attached List
Facility Name	Facility Address
Facility Name	Facility Address
E. Signature of Tank Owner or Operator: Deborah Pryor — Date: 3/31/05	Name and Title of Tank Owner or Operator: Deborah Pryor, Environmental Project Manager
Signture of Witness or Notary: Nancy Johnson — Date: 3/31/05	Name of Witness or Notary: Nancy Johnson, Reimbursement Project Manager

UNDERGROUND STORAGE TANK LIABILITY ENDORSEMENT

Named Insured		Endorsement Number
Shell Oil Products US		
Policy Number	**Policy Period**	**Effective Date of Endorsement**
GLO9307950-02	January 1, 2005 to January 1, 2006	January 1, 2005
Issued by (Name of Insurance Company)		
Zurich American Insurance Company 1400 American Lane Schaumburg, IL. 60196-1056 1-800-382-2150		

Insert the policy Number. The remainder of the information is to be completed only when this endorsement is issued subsequent to the preparation of the policy.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY

CERTIFICATION ENDORSEMENT FOR SCHEDULED TANKS

1. This endorsement certifies that the policy to which the endorsement is attached provides liability insurance covering the following Underground Storage Tanks:

Schedule of Tanks attached

for taking corrective action, and/or compensating third parties for "bodily injury" and "property damage" caused by either "sudden accidental releases" or "nonsudden accidental releases" or "accidental releases"; in accordance with and subject to the limits of liability, exclusions, conditions, and other terms of the policy; arising from operating the underground storage tank(s) identified above.

The limits of liability are:	Each Occurrence	$1,000,000
	Annual Aggregate	$2,000,000

exclusive of legal defense costs, which are subject to a separate limit under the policy. This coverage is provided under GLO9307950-02. The effective date of said policy is January 1, 2005.

2. The insurance afforded with respect to such occurrences is subject to all of the terms and conditions of the policy; provided, however, that any provisions inconsistent with subsections (a) through (e) of this Paragraph 2 are hereby amended to conform with subsections (a) through (e);

   a. Bankruptcy or insolvency of the insured shall not relieve Zurich American Insurance Company of its obligations under the policy to which this endorsement is attached.

   b. Zurich American Insurance Company is liable for the payment of amounts within any deductible applicable to the policy to the provider of corrective action or a

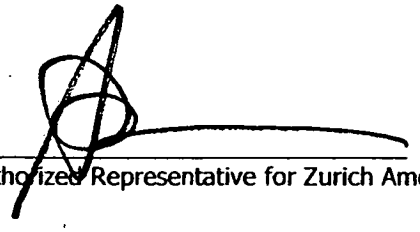
damaged third-party, with a right of reimbursement by the insured for any such payment made by Zurich American Insurance Company. This provision does not apply with respect to that amount of any deductible for which coverage is demonstrated under another mechanism or combination of mechanisms as specified in 40 CFR 280.95-280.102.

c. Whenever requested by a Director of an implementing agency, Zurich American Insurance Company agrees to furnish a signed duplicate original of the policy and all endorsements.

d. Cancellation or any other termination of the insurance by the Zurich American Insurance Company, except for non-payment of premium or misrepresentation by the insured, will be effective only upon written notice and only after the expiration of 60 days after a copy of such written notice is received by the insured. Cancellation for non-payment of premium or misrepresentation by the insured will be effective only upon written notice and only after expiration of a minimum of 10 days after a copy of such written notice is received by the insured.

e. The insurance covers claims for any occurrence that commenced during the term of the policy that is discovered and reported to the Zurich American Insurance Company within six months of the effective date of the cancellation or termination of the policy.

I hereby certify that the wording of this instrument is identical to the wording 40 CFR 280.97(b)(1) and that the Zurich American Insurance Company is licensed to transact the business of insurance or eligible to provide insurance as an excess or surplus lines insurer in one or more states.



Authorized Representative for Zurich American Insurance Company

Name: David Hirshorn
Title: Senior Vice President
Address: Marsh USA, Inc.
1000 Main – Suite 3000
Houston, TX. 77002

Kern

Owner Statements of Designated Underground Storage Tank (UST) Operator and Understanding of Compliance with UST Requirements

Duplicate ?

Facility Name: SHELL - 121190	Facility ID #: 330035/002442
Facility Address: 9069 GRAPEVINE ROAD WEST I-5 LEBEC, CA	Reason for Submitting this Form *(Check One)* X Change of Designated Operator
Facility Phone #: 661-322-4774	? Update Certificate Expiration Date

Designated UST Operator(s) for this Facility

PRIMARY

Designated Operator's Name: Shelley Shaul	Relation to UST Facility *(Check One)*
Business Name *(If different from above)*: Delta Environmental Consultants, Inc.	? Owner ? Operator ? Employee
Designated Operator's Phone #: 805-801-5525	? Service Technician X Third-Party
International Code Council Certification #: Temporary Certificate	Expiration Date: 12/1/2006

ALTERNATE 1 *(Optional)*

Designated Operator's Name: Tuan Phan	Relation to UST Facility *(Check One)*
Business Name *(If different from above)*: Delta Environmental Consultants, Inc.	? Owner ? Operator ? Employee
Designated Operator's Phone #: 949-874-4712	? Service Technician X Third-Party
International Code Council Certification #: Temporary Certificate	Expiration Date: 1/13/2007

ALTERNATE 2 *(Optional)*

Designated Operator's Name: Larry Riggins	Relation to UST Facility *(Check One)*
Business Name *(If different from above)*: Delta Environmental Consultants, Inc.	? Owner ? Operator ? Employee
Designated Operator's Phone #: 310-702-0874	? Service Technician X Third-Party
International Code Council Certification #: 5243198-UC	Expiration Date: 9/29/2006

I certify that, for the facility indicated at the top of this page, the individual(s) listed above will serve as Designated UST Operator(s). The individual(s) will conduct and document monthly facility inspections and annual facility employee training, in accordance with California Code of Regulations, title 23, section 2715(c) - (f).

Furthermore, I understand and am in compliance with the requirements (statutes, regulations, and local ordinances) applicable to underground storage tanks.

NAME OF TANK OWNER (Please Print): TIM WIDDSON FOR SHELL OIL PRODUCTS US

SIGNATURE OF TANK OWNER: Tim Widdson FOR SHELL OIL PRODUCTS US

DATE: 2/1/05 **OWNER'S PHONE #:** 925 766 3494

NOTE: 1) SUBMIT THIS COMPLETED FORM TO THE LOCAL AGENCY (NOT THE STATE WATER RESOURCES CONTROL BOARD) BY JANUARY 1, 2005. THE LOCAL AGENCY LIST IS AVAILABLE AT: www.waterboards.ca.gov/ust/contacts/cupa_agys.html.

2) NOTIFY THE LOCAL AGENCY OF ANY CHANGES TO THIS INFORMATION WITHIN 30 DAYS OF THE CHANGE.

KERN

Owner Statements of Designated Underground Storage Tank (UST) Operator and Understanding of Compliance with UST Requirements

330035/002442

Facility Name: SHELL - 121190	Facility ID #: 121190
Facility Address: 9069 GRAPEVINE ROAD WEST Lebec, CA	Reason for Submitting this Form *(Check One)* X Change of Designated Operator
Facility Phone #: 661-322-4774	☐ Update Certificate Expiration Date

Designated UST Operator(s) for this Facility

PRIMARY

Designated Operator's Name: Shelley Shaul	Relation to UST Facility *(Check One)*
Business Name *(If different from above)*: Delta Environmental Consultants, Inc.	☐ Owner ☐ Operator ☐ Employee
Designated Operator's Phone #: 805-801-5525	☐ Service Technician X Third-Party
International Code Council Certification #: unavailable, passing report attached	Expiration Date: not applicable

ALTERNATE 1 *(Optional)*

Designated Operator's Name: Larry Riggins	Relation to UST Facility *(Check One)*
Business Name *(If different from above)*: Delta Environmental Consultants, Inc.	☐ Owner ☐ Operator ☐ Employee
Designated Operator's Phone #: 310-702-0874	☐ Service Technician X Third-Party
International Code Council Certification #: 5243198-UC	Expiration Date: 9/29/2006

ALTERNATE 2 *(Optional)*

Designated Operator's Name: Larry Riggins	Relation to UST Facility *(Check One)*
Business Name *(If different from above)*: Delta Environmental Consultants, Inc.	☐ Owner ☐ Operator ☐ Employee
Designated Operator's Phone #: 310-702-0874	☐ Service Technician X Third-Party
International Code Council Certification #: 5243198-UC	Expiration Date: 9/29/2006

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Furthermore, I understand and am in compliance with the requirements (statutes, regulations, and local ordinances) applicable to underground storage tanks.

NAME OF TANK OWNER (Please Print): TIM WOODSON FOR SHELL OIL PRODUCTS US

SIGNATURE OF TANK OWNER: Tim Woodson

DATE: 12/27/04 **OWNER'S PHONE #:** 925 766 3494

NOTE: 1) SUBMIT THIS COMPLETED FORM TO THE LOCAL AGENCY (NOT THE STATE WATER RESOURCES CONTROL BOARD) BY JANUARY 1, 2005. THE LOCAL AGENCY LIST IS AVAILABLE AT: www.waterboards.ca.gov/ust/contacts/cupa_agys.html.

2) NOTIFY THE LOCAL AGENCY OF ANY CHANGES TO THIS INFORMATION WITHIN 30 DAYS OF THE CHANGE.

December 21, 2004

The following is a complete, current list of California Designated UST Operators that may be performing services at this facility. The intent of this list is to provide the regulatory agencies with additional alternates that may be conducting inspections. The Primary, Alternate 1 and Alternate 2 Designated Operators listed for each facility on the submittal letter cover page may be duplicated on this list.

Last Name	First Name	ICC#	Expiration Date
Colombo	Michael	5234428-UC	5/14/2006
Gorman	Rebecca	5234537-UC	5/27/2006
Nguyen	Tracy	5238629-UC	8/11/2006
Sanchez	Michael	5243872-UC	10/4/2006
Riggins	Larry	5243198-UC	9/29/2006
Shaul	Shelley	unavailable, passing report attached	not applicable
Osowski	Matt	5234526-UC	5/27/2006
VanderPlaats	Michael	5236491-UC	6/4/2006
Gift	Dan	5244488-UC	10/8/2006
Lees	Denise	5243907-UC	10/15/2006
Vallies	Heidi	5242490-UC	10/7/2006
Peacher	Sean	5240968-UC	10/14/2006
Baird	Aaron	5234524-UC	5/27/2006
Musgrave	Jeff	5243186-UC	9/29/2006
Rogan	Shelia	5241006-UC	8/25/2005
Resnick	David	unavailable, passing report attached	not applicable
Cusick	James	unavailable, passing report attached	not applicable
Boynton	Robert	unavailable, passing report attached	not applicable
Williams	Ross	unavailable, passing report attached	not applicable
Wong	Hang	unavailable, passing report attached	not applicable
Kasdorf	James	unavailable, passing report attached	not applicable

dwdwdw AUTOMATIC TANK LEVEL MONITORING

CONTINUOUS ELECTRONIC MONITORING OF TANKS AND PIPING

TANKS

All Underground Fuel Storage and Used Oil tanks are Double Wall Fiberglass construction.

FUEL LINES

All Fuel Line construction is Double Wall Fiberglass.

VEEDER ROOT - TLS 350 MODEL / SIMPLICITY TANK & LINE MONITOR

The design of this unit and the Simplicity Service Offering is to provide 24 hour remote tank and line compliance monitoring through Veeder-Root (V-R) in Simsbury Connecticut, which would receive audible and visual alarms and provide corrective actions and tracking, in the event of leak detection. This system is interfaced to the manufacturers computer system via satellite dish or phone line. The communication status is checked monthly by V-R. The expected V-R alarm response time is 15 minutes from the time the facility goes into alarm and Simsbury starts the corrective actions. The monitor retains 12 months of alarm history. The facility receives audible and visual alarms at the TLS 350 console, which reflect (1) lost communication, "Autodial Failure" and/or (2) gross line failure "Line Leak Shutdown." The facility personnel would call V-R for these events. Autodial Failure will cause the TLS 350 to come out of the remote monitoring mode and all alarms/warnings will occur on-site and will be responded to by on-site personnel. If power is removed from the V-R monitoring panel, the facility will not be able to pump fuel. The authorized installation service contractor (Service Station Systems 1-800-628-5510) would provide the training necessary to operate the tank and line monitoring system per the manufacturer guidelines. The facility operator is responsible for daily inspection of the monitoring panel (Alarm Panel Test Log - pending Agency requirements) and corrective actions indicated above and maintaining monthly and annual tests/reports on-site. For additional compliance items/reports, contact Shell's HS&E Compliance Coordinator. *Optional facility audible and visual alarms can also be programmed, but this would take the system out of the remote monitoring mode, which leaves the facility operator responsible for calling V-R for all alarm conditions and logging all events and corrective actions manually (not reliable, not recommended).* All component parts are LG-113 approved.

TANK AND LINE TESTING

The Veeder Root (V-R) system provides electronic Continuous Statistical Leak Detection (CSLD) monitoring of the fuel tanks, Pressurized Line Leak Detection (PLLD) of the fuel lines and continuous annular interstice monitoring at double walled facilities containment. In the event that a leak is detected, the system provides automatic notification through the phone line or satellite dish to V-R. Hard copies of monthly tank and line test results are to be mailed to the facility within the first two weeks of the following month by V-R. *The operating facility is responsible to maintain these compliance reports on site.* The TLS 350 is annually inspected, repaired and certified operational by an authorized service contractor. The certification is sent to the local regulatory agency.

Tanks (Fuel): Continuous electronic monitoring of the wet or dry annular/interstice and CSLD, continuous electronic testing at 0.2 gallon per hour (gph). A malfunctioning tank will result with an alarm automatically transmitted to V-R, which would in turn contact their service contractor for investigation and repair. There would be no fuel leak to ground in the event that the primary tank failed unless the secondary, were to also fail. Clean up of the secondary containment would be performed per Local and State requirements.

Used Oil Tank: Continuous electronic monitoring of the wet or dry annular/interstice. A malfunctioning tank will result with an alarm automatically transmitted to V-R, which would in turn contact their service contractor for investigation and repair. There would be no fuel leak to ground in the event that the primary tank failed unless the secondary, were to also fail. Clean up of the secondary containment would be performed per Local and State guidance.

Pressurized Fuel Lines: Continuous electronic monitoring of the dry secondary containment within the turbine sump, positive shutdown if a leak is detected. Also PLLD continuous electronic testing 3.0 gph (positive shutdown), 0.2 gph (monthly/alarm) and 0.1 gph (annually/alarm), in combination with a turbine sump liquid sensor. If a gross leak alarm occurred here, the result would be fuel line shut down with no leak to ground [(Dry) annular/interstice]. A malfunctioning fuel line will result with an alarm automatically transmitted to V-R, which would in turn contact their service contractor for investigation and repair. Clean up of the secondary containment would be performed per Local and State requirements. If equipped, remote fill lines at the tank inlet are contained and continuously monitored (alarm).

Used Oil Tank Piping: Remote fill lines should be removed during 1998 UST construction upgrades. If required an electronic high level sensor (alarm), is used to warn of potential overfills. *The facility operator is responsible for safe filling practices, weekly tank gauging and used oil removal.*

Under Dispenser Containment: Continuous electronic Beaudreau 500 liquid sensor, designed to shut off the dispenser in the event of leak detection.

Turbine Sump Containment: Continuous electronic VR 409 liquid sensors, designed to shut the turbine down in the event of leak detection.

Tank Overfill Protection: Flapper valve with flow shut-off at 95%.

marubashi 3/29/01 dwdwdwwo

Veeder-Root in Connecticut provides the remote monitoring service. The facility operator responds to TLS-350 messages, Auto-Dial Failure and Gross Line Leak (also VR Connecticut). Service Station Systems is the maintenance contractor. Names, Titles and phone numbers, refer to those mentioned in the Hazardous Materials Management Plans.

If required, Site Plans with locations of tanks, piping, vents, dispensers, monitoring panel, probes (w/model #'s), buildings and streets should be part of the annual tank & line monitoring system certification report.

Secondary Containment Testing: Performed upon a new start-up facility and then 6 months after. Otherwise the testing schedule will be performed starting in 2002 and at 3-year intervals. Testing procedures are per manufacturer's standards, industry standards or by CA licensed PE procedures. Hydrostatic testing equipment & procedures are third party certified by CA Petroleum Engineer, Ken Wilcox Associates, Inc. SB989, LG 160. Hydrostatic tests of the tank wet interstice, dispenser, sumps and tank overfill containment areas will be for a period of 12 minutes with a passing result, if the decrease in liquid level is less than 0.002 inches with a probability of 95% or greater, which meets the requirement to detect a change of 0.250 inches in the 24 hour test period. Double walled tank systems with dry annular spaces will be vacuum tested per manufacturer's specifications. Secondary piping will be pressure tested at approximately 5 PSI for 60 minutes or per manufacturer's specifications, hard pipe verses flex pipe. Test results are to be submitted to the local implementing agency and a copy is sent to the facility to be kept on site. The local agency will be notified at a minimum of 48 hours of a scheduled test date.

UNAUTHORIZED RELEASE RESPONSE PLAN

Non-contained unauthorized releases will be reported to the local agency and Shell's HS&E Compliance Coordinator within 24 hours. Spills to ground will be cleaned up immediately with further mitigation as determined by the Local Agency and Shell's Science and Engineering Department. The hazardous material shall be removed by applying absorbent material (maintained at the facility) and/or Shell's approved contractor would collect the Fuel material and dispose of in accordance with all Local, State and Federal laws and regulations. Dependant on circumstance, direct removal, drumming or laid upon non-absorbent material. Shell's approved contractors are responsible for maintaining their environmental equipment and materials per Local, State and Federal regulations.

See the facility's Safety, Health and Environmental "Blue Book" for more detail; Hazardous Materials Management Plan (tab HMMP); emergency response plan; procedures and Shell Leak Response Plan.

Emergency response is 4 hours maximum. The service contractor will notify the appropriate Equilon Personnel in the event of an actual tank/line failure. Alarms, which are or are not the result of an actual tank or line failure, will be repaired in accordance with the manufacturer's recommendation and all Local and State requirements.

Preventive maintenance schedule:

When the system alarms Veeder Root calls the facility to verify any problems and notifies their Authorized Service Organization to respond and make necessary repairs as needed. The system is tested, repaired as needed and certified operational annually with submittal of the results to the appropriate Local Agency and Facility.

Miscellaneous

The Facility Operator is responsible for maintaining daily and monthly inventory reconciliation records. 12 (twelve) months on site and the previous 3 (three) years, optional on site. The Facility Operator is responsible for reporting inventory reconciliation exceeding State and Shell's allowable limits and unauthorized spills to ground to Shell's regional Health, Safety and Environmental Coordinator for review and corrective actions as needed. The facility operator is responsible to adhere to all conditions of the facility permits and licenses, document accessibility, annual employee hazardous materials, leak response and other OSHA training and documentation, tank and piping VR Monthly Compliance Reports and Annual System Certifications, nozzle repair/replacement logs and facility contractor repair logs and frequently inspect and clean the tank fill and vapor overspill buckets and dispenser containment pans (maintain free of liquid and debris).

I hereby certify that this monitoring plan described in this document will be followed in its entirety.

Signature: Bruce T Marubashi for Grapevine Shell Date 11/17/03.

Please contact Shell's H, S&E Analyst, Bruce T. Marubashi at 925-766-3498, if there are any questions regarding the material contained in this package.

Release Recording & Reporting: Article 5 of the California Underground Storage Tank Regulations.

Recordable Releases that must be documented on a UST monitoring report, include the following:

Any release from a primary containment which is cleaned up within 8 hours after the release was detected, which does not escape the secondary containment and does not increase the hazard of fire or explosion and does not cause deterioration of the secondary containment. Note: the monitoring report shall include information required by section 2651 of the California UST regulations.

Reportable Releases that must be reported to the local agency within 24 hours after the release has been detected or should have been detected include the following:

Any unauthorized release from the primary containment which is not cleaned up within 8 hours after the release was detected, which does not escape the secondary containment and does not increase the hazard of fire or explosion and does not cause deterioration of the secondary containment.

Any unauthorized release, which escapes from the secondary containment or from the primary containment, if no secondary containment exists.

Discovery of release product at the site of the UST or surrounding area including the presence of free product, vapors in soil, basements, sewer or utility lines, and nearby surface or drinking waters.

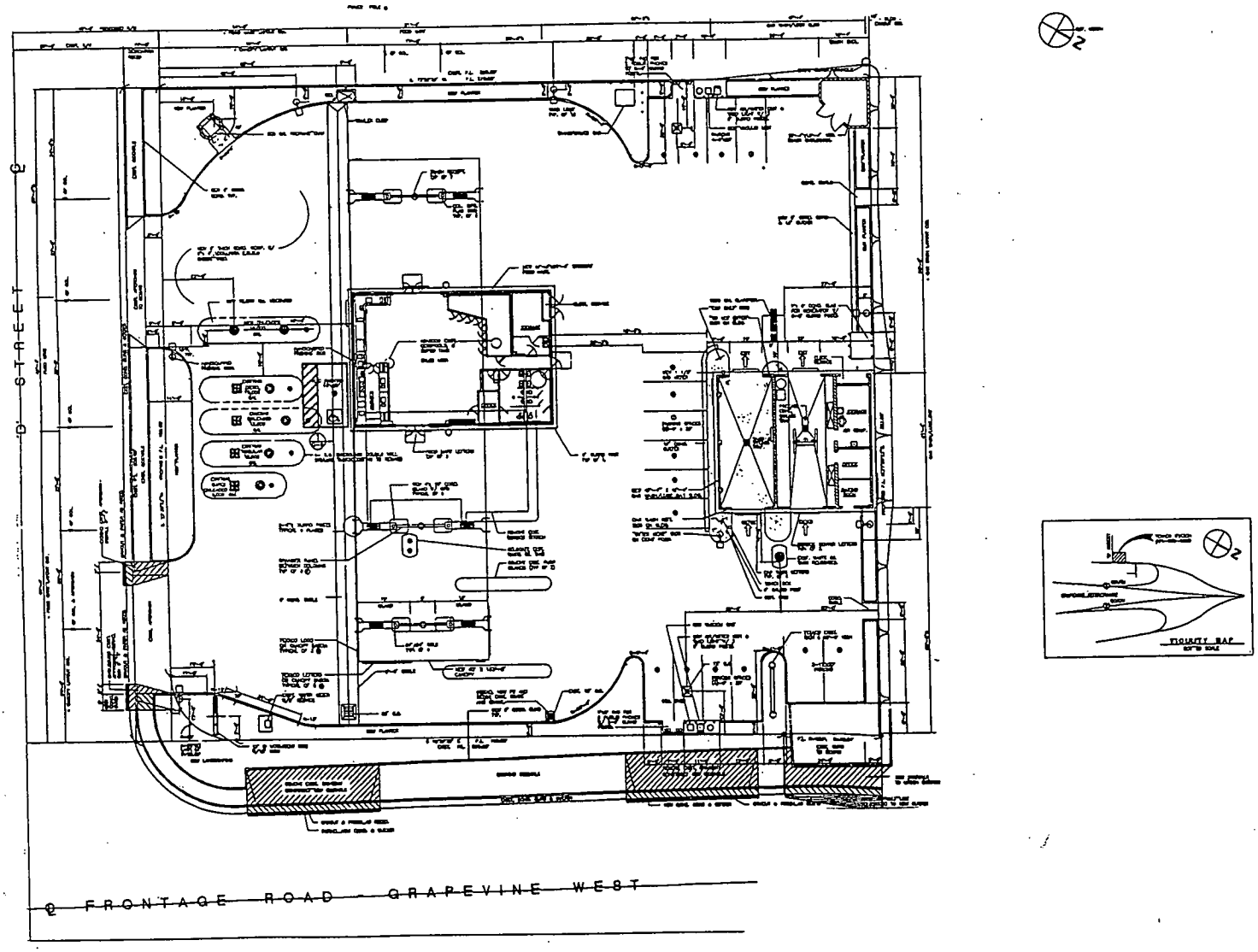
Monitoring results from a release detection method that indicate a release may have occurred unless the monitoring device is immediately repaired, re-calibrated or replaced, or additional monitoring does not confirm the initial results.

Any unauthorized release, spill or overfill that occurs while the fuel is being placed in the underground tank. The spill is due to the use of improper equipment, operator error, operator inattention or overfilling.

I. **Facility Information** (continued)

B. Facility Diagram. Please provide in the space below, or on a separate sheet, a facility diagram including the following:

1. All buildings and property lines (include location of alarm panel)
2. All underground storage tanks (including those without leak detection probes)
3. Location of all annular space, piping sump, and vadose zone product probes with labels corresponding to alarm panel designations
4. North arrow



BUSINESS PLANS

AS A SERVICE TO YOU, THIS BUSINESS PLAN WAS PREPARED BY WEST COAST COMPLIANCE SERVICES, INC. IN ORDER TO COMPLY WITH THE CALIFORNIA HEALTH AND SAFETY CODE (CHAPTER 6.95, ARTICLE I, SECTION 25503.5). BY ACCEPTING THIS PLAN, YOU ARE ACKNOWLEDGING THAT THERE ARE NO REPRESENTATIONS OR WARRANTIES THAT THE INFORMATION CONTAINED IN THIS BUSINESS PLAN WILL PRODUCE ANY PARTICULAR RESULT WITH REGARD TO THE SUBJECT MATTER.

OWNER/OPERATOR AGREEMENT

OPERATOR:

As operator of the underground storage tanks, I hereby certify that I understand the monitoring and reporting requirements contained in Title 23, of the California Code of Regulations and I have received a copy of Section 25299, chapter 6.7, California Health and Safety Code.

SIGNATURE: _____ **DATE:** 12-26-01

OPERATOR NAME: **STEVEN BEAGLEY**

BUSINESS NAME: **GRAPEVINE TEXACO**

LOCATION #: **121190**

OWNER:

As the owner of the underground storage tanks, EQUILON ENTERPRISES LLC certifies that we have provided the operator a copy of the monitoring and reporting requirements contained in Title 23, of the California Code of Regulations. Equilon certifies that we have provided the operator with a copy of the penalties of noncompliance as specified in Section 25299, chapter 6.7 of the California Health and Safety Code.

SIGNATURE: _____ **DATE:** 12/18/01

RHL DESIGN GROUP INC.
ARCHITECTURE • ENGINEERING • ENVIRONMENTAL SERVICES
1137 N. McDowell Blvd., Petaluma, CA 94954
Telephone: (707) 765-1660 Facsimile: (707) 765-9908

JAN 10 2005

330035
050021
050034

John W. Johnson
Co-President
Architect

Brian F. Zita
Co-President
Architect

John B. Hicks
Vice President

Regional Managers
Jesse E. Macias
Roy W. Pedro
Alan K. Shimabukuro
John W. Strobel

Established 1966

Offices
BELLEVUE, WA
LA HABRA, CA
MARTINEZ, CA
PETALUMA, CA
ROSEVILLE, CA
SCOTTSDALE, AZ
VANCOUVER, WA

www.rhldesign.com

January 6, 2005

Kern County Environmental Health
2700 "M" Street
Bakersfield, CA, 93301

RE: Shell Oil Products US

Dear Marty Brownfield:

Please find enclosed the new Underground Storage Tank Financial Responsibility Statement for the Shell operated service station(s) in your region.

If you have any questions, please feel free to contact me at the number above.

Respectfully,

RHL DESIGN GROUP, INC.

Steve Skanderson
Project Manager

UNDERGROUND STORAGE TANK LIABILITY ENDORSEMENT

Named Insured		Endorsement Number
Shell Oil Products US		
Policy Number	**Policy Period**	**Effective Date of Endorsement**
GLO9307950-02	January 1, 2005 to January 1, 2006	January 1, 2005

Issued by (Name of Insurance Company)

Zurich American Insurance Company
1400 American Lane
Schaumburg, IL. 60196-1056
1-800-382-2150

Insert the policy Number. The remainder of the information is to be completed only when this endorsement is issued subsequent to the preparation of the policy.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY

CERTIFICATION ENDORSEMENT FOR SCHEDULED TANKS

1. This endorsement certifies that the policy to which the endorsement is attached provides liability insurance covering the following Underground Storage Tanks:

Schedule of Tanks attached

for taking corrective action, and/or compensating third parties for "bodily injury" and "property damage" caused by either "sudden accidental releases" or "nonsudden accidental releases" or "accidental releases"; in accordance with and subject to the limits of liability, exclusions, conditions, and other terms of the policy; arising from operating the underground storage tank(s) identified above.

The limits of liability are:	Each Occurrence	$1,000,000
	Annual Aggregate	$2,000,000

exclusive of legal defense costs, which are subject to a separate limit under the policy. This coverage is provided under GLO9307950-02. The effective date of said policy is January 1, 2005.

2. The insurance afforded with respect to such occurrences is subject to all of the terms and conditions of the policy; provided, however, that any provisions inconsistent with subsections (a) through (e) of this Paragraph 2 are hereby amended to conform with subsections (a) through (e);

   a. Bankruptcy or insolvency of the insured shall not relieve Zurich American Insurance Company of its obligations under the policy to which this endorsement is attached.
   b. Zurich American Insurance Company is liable for the payment of amounts within any deductible applicable to the policy to the provider of corrective action or a

330035

UNDERGROUND STORAGE TANK LIABILITY ENDORSEMENT

Named Insured		Endorsement Number
Shell Oil Products US		
Policy Number	**Policy Period**	**Effective Date of Endorsement**
GLO9307950-01	January 1, 2004 to January 1, 2005	January 1, 2004
Issued by (Name of Insurance Company)		
Zurich American Insurance Company 1400 American Lane Schaumburg, IL. 60196-1056 1-800-382-2150		

Insert the policy Number. The remainder of the information is to be completed only when this endorsement is issued subsequent to the preparation of the policy.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY

CERTIFICATION ENDORSEMENT FOR SCHEDULED TANKS

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The limits of liability are:	Each Occurrence	$1,000,000
	Annual Aggregate	$2,000,000

exclusive of legal defense costs, which are subject to a separate limit under the policy. This coverage is provided under GLO9307950-01. The effective date of said policy is January 1, 2004.

2. The insurance afforded with respect to such occurrences is subject to all of the terms and conditions of the policy; provided, however, that any provisions inconsistent with subsections (a) through (e) of this Paragraph 2 are hereby amended to conform with subsections (a) through (e);

   a. Bankruptcy or insolvency of the insured shall not relieve Zurich American Insurance Company of its obligations under the policy to which this endorsement is attached.

   b. Zurich American Insurance Company is liable for the payment of amounts within any deductible applicable to the policy to the provider of corrective action or a

damaged third-party, with a right of reimbursement by the insured for any such payment made by Zurich American Insurance Company. This provision does not apply with respect to that amount of any deductible for which coverage is demonstrated under another mechanism or combination of mechanisms as specified in 40 CFR 280.95-280.102.

c. Whenever requested by a Director of an implementing agency, Zurich American Insurance Company agrees to furnish a signed duplicate original of the policy and all endorsements.

d. Cancellation or any other termination of the insurance by the Zurich American Insurance Company, except for non-payment of premium or misrepresentation by the insured, will be effective only upon written notice and only after the expiration of 60 days after a copy of such written notice is received by the insured. Cancellation for non-payment of premium or misrepresentation by the insured will be effective only upon written notice and only after expiration of a minimum of 10 days after a copy of such written notice is received by the insured.

e. The insurance covers claims for any occurrence that commenced during the term of the policy that is discovered and reported to the Zurich American Insurance Company within six months of the effective date of the cancellation or termination of the policy.

I hereby certify that the wording of this instrument is identical to the wording 40 CFR 280.97(b)(1) and that the Zurich American Insurance Company is licensed to transact the business of insurance or eligible to provide insurance as an excess or surplus lines insurer in one or more states.

Authorized Representative for Zurich American Insurance Company

Name: Dave Hirshorn
Title: Senior Vice President
Address: Marsh USA, Inc.
1000 Louisiana – Suite 4000
Houston, TX. 77002

[redacted]

3B0038

Shell Oil Products US
Northwest Region
3468 Claremont Avenue
Modesto, CA 95350

TO: Amy Green
Kern Co EH

DATE: 3/11/03

FAX #: 661 862 8701

FROM: Bruce T. Marubashi
Shell Oil Products
Northwest Region
btmarubashi@equiva.com

Phone #: (209) 577-5960

Fax #: (209) 577-5964

FAX TRANSMITTAL

NUMBER OF PAGES INCLUDING THIS PAGE 4

IF YOU DID NOT RECEIVE ALL OF THE PAGES, PLEASE CALL (209) 577-5960

COMMENTS:

2003 EQUILON – SHELL OIL COMPANY

(1) UST FINANCIAL LIABILITY DOCUMENT

(2) LIST OF SHELL BRANDED FACILITIES COVERED BY THIS DOCUMENT

PLEASE FORWARD TO THE APPROPRIATE SHELL INSPECTOR'S, TO AVOID THE NUMEROUS REQUESTS FOR THIS DOCUMENT.

THANKS ! CALL ME IF ANY PROBLEMS.

Bruce T. Marubashi
HSE Analyst – NWR, Bay Area

UNDERGROUND STORAGE TANK LIABILITY ENDORSEMENT

Named Insured	Endorsement Number
Shell Oil Company	

Policy Number	Policy Period	Effective Date of Endorsement
GLO9307950-00	January 1, 2003 to January 1, 2004	January 1, 2003

Issued by (Name of Insurance Company)

Zurich American Insurance Company
1400 American Lane
Schaumburg, IL. 60196-1056
1-800-382-2150

Insert the policy Number. The remainder of the information is to be completed only when this endorsement is issued subsequent to the preparation of the policy.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY

CERTIFICATION ENDORSEMENT FOR SCHEDULED TANKS

1. This endorsement certifies that the policy to which the endorsement is attached provides liability insurance covering the following Underground Storage Tanks:

Schedule of Tanks attached

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The limits of liability are:	Each Occurrence	$1,000,000
	Annual Aggregate	$2,000,000

exclusive of legal defense costs, which are subject to a separate limit under the policy. This coverage is provided under GLO9307950-00. The effective date of said policy is January 1, 2003.

2. The insurance afforded with respect to such occurrences is subject to all of the terms and conditions of the policy; provided, however, that any provisions inconsistent with subsections (a) through (e) of this Paragraph 2 are hereby amended to conform with subsections (a) through (e);

   a. Bankruptcy or insolvency of the insured shall not relieve Zurich American Insurance Company of its obligations under the policy to which this endorsement is attached.

   b. Zurich American Insurance Company is liable for the payment of amounts within any deductible applicable to the policy to the provider of corrective action or a damaged third-party, with a right of reimbursement by the insured for any such payment made by Zurich American Insurance Company. This provision does not

apply with respect to that amount of any deductible for which coverage is demonstrated under another mechanism or combination of mechanisms as specified in 40 CFR 280.95-280.102.

c. Whenever requested by a Director of an implementing agency, Zurich American Insurance Company agrees to furnish a signed duplicate original of the policy and all endorsements.

d. Cancellation or any other termination of the insurance by the Zurich American Insurance Company, except for non-payment of premium or misrepresentation by the insured, will be effective only upon written notice and only after the expiration of 60 days after a copy of such written notice is received by the insured. Cancellation for non-payment of premium or misrepresentation by the insured will be effective only upon written notice and only after expiration of a minimum of 10 days after a copy of such written notice is received by the insured.

I hereby certify that the wording of this instrument is identical to the wording 40 CFR 280.97(b)(1) and that the Zurich American Insurance Company is licensed to transact the business of insurance or eligible to provide insurance as an excess or surplus lines insurer in one or more states.

Duncan T. Plaskett

Authorized Representative for Zurich American Insurance Company

Name: Duncan Plaskett
Title: Vice President
Address: Marsh USA, Inc.
1000 Louisiana – Suite 4000
Houston, TX. 77002

UST Financial Responsibility - Year 2003
Shell Oil Products - Shell & Texaco Branded Facilities
Bakersfield Market

Brand	Address	City	County	State	ZIP
TEXACO	2401 N OAK ST	BAKERSFIELD	KERN	CA	93301
SHELL	2600 WHITE LN	BAKERSFIELD	KERN	CA	93304
SHELL	3605 ROSEDALE HWY	BAKERSFIELD	KERN	CA	93308
TEXACO	3621 CALIFORNIA AVE	BAKERSFIELD	KERN	CA	93309
TEXACO	3698 MING AVE	BAKERSFIELD	KERN	CA	93309
TEXACO	4050 GOSFORD RD	BAKERSFIELD	KERN	CA	93309
TEXACO	5300 OLIVE DR	BAKERSFIELD	KERN	CA	93308 V050021
TEXACO	5321 STOCKDALE HWY	BAKERSFIELD	KERN	CA	93309
TEXACO	6439 ROSEDALE HWY	BAKERSFIELD	KERN	CA	93308 V060034
TEXACO	9069 GRAPEVINE ROAD WE	LEBEC	KERN	CA	93243 V330035
SHELL	25712 WARD DR	KETTLEMAN CITY	KINGS	CA	93239

Bruce T. Marubashi
Shell Oil Products - HS&E Analyst
Northwest Region
209-577-5960 (fax5964)

330035

Shell Oil Products US
Northwest Region
3468 Claremont Avenue
Modesto, CA 95350

NOV 19 2003

November 17, 2003

Steve McCalley
County of Kern – Enviro Health
2700 "M" Street
Bakersfield, CA 93301-2370

Subject: **UST Forms A & B's & Monitoring Plan**
Shell 9069 Grapevine, Lebec

Please find enclosed subject. The documents reflect the Texaco to Shell re-branding of the facility.

Please call me at 925-766-3498 if you have any questions regarding the documents enclosed. My home office address is 3468 Claremont Avenue, Modesto, CA 95350.

Sincerely,

Bruce T. Marubashi
H,S&E Analyst
Shell Oil Products US
Northwest Region

Enclosures:

CC: File

form A&B Mon&ER Shell dlr ag.doc

RECEIVED
NOV 19 2003
TANKS

UNIFIED PROGRAM CONSOLIDATED FORM

UNDERGROUND STORAGE TANKS - FACILITY

(one page per site)

TYPE OF ACTION (Check one item only)
Γ 1. NEW SITE PERMIT
Γ 2. NEW OPERATOR
Γ 3. RENEWAL PERMIT
Γ 4. AMENDED PERMIT
X 5. CHANGE OF INFORMATION (Specify change - local use only) Texaco to Shell
Γ 6. TEMPORARY SITE CLOSURE
Γ 7. PERMANENTLY CLOSED SITE
Γ 8. TANK REMOVED 400
Γ 9. AGENCY REQUEST '98 UST COMPLIANCE

I. FACILITY / SITE INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
Grapevine Shell Stephen Beagley
9069 Grapevine Rd, Lebec, CA 93243

FACILITY ID # 1
330085T

NEAREST CROSS STREET 401
D Street

BUSINESS TYPE
X 1. GAS STATION
Γ 2. DISTRIBUTOR
Γ 3. FARM
Γ 4. PROCESSOR
Γ 5. COMMERCIAL
Γ 6. OTHER 403

FACILITY OWNER TYPE
X 1. CORPORATION
Γ 2. INDIVIDUAL
Γ 3. PARTNERSHIP
Γ 4. LOCAL AGENCY/DISTRICT*
Γ 5. COUNTY AGENCY*
Γ 6. STATE AGENCY*
Γ 7. FEDERAL AGENCY* 402

TOTAL NUMBER OF TANKS REMAINING AT SITE
404 6

Is facility on Indian Reservation or trustlands?
Γ Yes X No 405

*If owner of UST is a public agency: name of supervisor of division, section or office which operates the UST. (This is the contact person for the tank records.) 406

II. PROPERTY OWNER INFORMATION

PROPERTY OWNER NAME 407
Shell Oil Products c/o Bruce Marubashi, HSE Permit Analyst

PHONE 408
925-766-3498

MAILING OR STREET ADDRESS 409
3468 Claremont Avenue

CITY 410
Modesto

STATE 411
CA

ZIP CODE 412
95350

PROPERTY OWNER TYPE
X 1. CORPORATION
Γ 2. INDIVIDUAL
Γ 3. PARTNERSHIP
Γ 4. LOCAL AGENCY / DISTRICT
Γ 5. COUNTY AGENCY
Γ 6. STATE AGENCY 413
Γ 7. FEDERAL AGENCY

III. TANK OWNER INFORMATION

TANK OWNER NAME 414
SAME AS II

PHONE 415

MAILING OR STREET ADDRESS 416

CITY 417

STATE 418

ZIP CODE 419

TANK OWNER TYPE
Γ 1. CORPORATION
Γ 2. INDIVIDUAL
Γ 3. PARTNERSHIP
Γ 4. LOCAL AGENCY / DISTRICT
Γ 5. COUNTY AGENCY
Γ 6. STATE AGENCY 420
Γ 7. FEDERAL AGENCY

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER

TY (TK) HQ | 4 | 4 | - | 0 | 3 | 9 | 0 | 2 | 6 | Call (916) 322-9669 if questions arise 421

V. PETROLEUM UST FINANCIAL RESPONSIBILITY

INDICATE METHOD(S)
X 1. SELF-INSURED
Γ 2. GUARANTEE
Γ 3. INSURANCE
Γ 4. SURETY BOND
Γ 5. LETTER OF CREDIT
Γ 6. EXEMPTION
Γ 7. STATE FUND
Γ 8. STATE FUND & CFO LETTER
Γ 9. STATE FUND & CD
Γ 10. LOCAL GOV=T MECHANISM
Γ 99. OTHER: 422

VI. LEGAL NOTIFICATION AND MAILING ADDRESS

Check one box to indicate which address should be used for legal notifications and mailing. Legal notifications and mailings will be sent to the tank owner unless box 1 or 2 is checked.
X 1. FACILITY Γ 2. PROPERTY OWNER Γ 3. TANK OWNER 423

VII. APPLICANT SIGNATURE

Certification: I certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF APPLICANT
Bruce T Marubashi

DATE 424
11/17/03

PHONE
925-766-3498 425

NAME OF APPLICANT (print) 426
BRUCE T. MARUBASHI for Shell Oil Products

TITLE OF APPLICANT 427
HSE Permit Analyst

STATE UST FACILITY NUMBER (For local use only) 428

1998 UPGRADE CERTIFICATE NUMBER (For local use only) 429

UNIFIED PROGRAM CONSOLIDATED FORM

TANKS

UNDERGROUND STORAGE TANKS - TANK PAGE 1

(two pages per tank)

TYPE OF ACTION *(Check one item only)* Γ 1. NEW SITE PERMIT Γ 2. OPERATOR CHANGE Γ 3. RENEWAL PERMIT Γ 4. AMENDED PERMIT *(Specify reason - for local use only)* X 5. CHANGE OF INFORMATION) *(Specify change - for local use only)* Texaco to Shell Γ 6. TEMPORARY SITE CLOSURE Γ 7. PERMANENTLY CLOSED ON SITE Γ 8. TANΓ K REMOVED 430

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3: **Grapevine Shell**

FACILITY ID # 1: 330035

LOCATION WITHIN SITE *(Optional)*431: **9069 Grapevine Rd, Lebec, CA 93243**

I. TANK DESCRIPTION *(A scaled plot plan with the location of the UST system including buildings and landmarks shall be submitted to the local agency.)*

TANK ID # 432	TANK MANUFACTURER 433	COMPARTMENTALIZED TANK Γ Yes X No 434
121190 – Regular west	Xerxes	If AYes≡, complete one page for each compartment.
DATE INSTALLED (YEAR/MO) 435	TANK CAPACITY IN GALLONS 436	NUMBER OF COMPARTMENTS 437
UNK	12,000	ONE

ADDITIONAL DESCRIPTION *(For local use only)* 438

II. TANK CONTENTS

TANK USE 439

X 1. MOTOR VEHICLE FUEL *(If marked, complete Petroleum Type)*
Γ 2. NON-FUEL PETROLEUM
Γ 3. CHEMICAL PRODUCT
Γ 4. HAZARDOUS WASTE *(Includes Used Oil)*
Γ 95. UNKNOWN

PETROLEUM TYPE 440

X 1a. REGULAR UNLEADED
Γ 1b. PREMIUM UNLEADED
Γ 1c. MIDGRADE UNLEADED
Γ 2. LEADED
Γ 3. DIESEL
Γ 4. GASOHOL
Γ 5. JET FUEL
Γ 6. AVIATION FUEL
Γ 99. OTHER

COMMON NAME *(from Hazardous Materials Inventory page)* 441

CAS # *(from Hazardous Materials Inventory page)* 442

III. TANK CONSTRUCTION

TYPE OF TANK *(Check one item only)*
Γ 1. SINGLE WALL
X 2. DOUBLE WALL
Γ 3. SINGLE WALL WITH EXTERIOR MEMBRANE LINER
Γ 4. SINGLE WALL IN A VAULT
Γ 5. SINGLE WALL WITH INTERNAL BLADDER SYSTEM 443
Γ 95. UNKNOWN
Γ 99. OTHER

TANK MATERIAL - primary tank *(Check one item only)*
Γ 1. BARE STEEL
Γ 2. STAINLESS STEEL
X 3. FIBERGLASS / PLASTIC
Γ 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP)
Γ 5. CONCRETE
Γ 8. FRP COMPATIBLE W/100% METHANOL
Γ 95. UNKNOWN 444
Γ 99. OTHER

TANK MATERIAL - secondary tank *(Check one item only)*
Γ 1. BARE STEEL
Γ 2. STAINLESS STEEL
X 3. FIBERGLASS / PLASTIC
Γ 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP)
Γ 5. CONCRETE
Γ 8. FRP COMPATIBLE W/100% METHANOL
Γ 9. FRP NON-CORRODIBLE JACKET
Γ 10. COATED STEEL
Γ 95. UNKNOWN 445
Γ 99. OTHER

TANK INTERIOR LINING OR COATING *(Check one item only)*
Γ 1. RUBBER LINED
Γ 2. ALKYD LINING
Γ 3. EPOXY LINING
Γ 4. PHENOLIC LINING
Γ 5. GLASS LINING
X 6. UNLINED
Γ 95. UNKNOWN446
Γ 99. OTHER
DATE INSTALLED 447 *(For local use only)*

OTHER CORROSION PROTECTION IF APPLICABLE *(Check one item only)*
Γ 1. MANUFACTURED CATHODIC PROTECTION
Γ 2. SACRIFICIAL ANODE
X 3. FIBERGLASS REINFORCED PLASTIC
Γ 4. IMPRESSED CURRENT
Γ 95. UNKNOWN 448
Γ 99. OTHER
DATE INSTALLED 449 *(For local use only)*

SPILL AND OVERFILL *(Check all that apply)*

YEAR INSTALLED 450 / TYPE *(For local use only)*451

X 1. SPILL CONTAINMENT 1998
X 2. DROP TUBE 1998
X 3. STRIKER PLATE 1998

OVERFILL PROTECTION EQUIPMENT: YEAR INSTALLED 452

X 1. ALARM
X 3. FILL TUBE SHUT OFF VALVE
Γ 2. BALL FLOAT
Γ 4. EXEMPT

IV. TANK LEAK DETECTION *(A description of the monitoring program shall be submitted to the local agency.)*

IF SINGLE WALL TANK *(Check all that apply)*: 453

Γ 1. VISUAL (EXPOSED PORTION ONLY)
Γ 2. AUTOMATIC TANK GAUGING (ATG)
Γ 3. CONTINUOUS ATG
Γ 4. STATISTICAL INVENTORY RECONCILIATION (SIR) + BIENNIAL TANK TESTING
Γ 5. MANUAL TANK GAUGING (MTG)
Γ 6. VADOSE ZONE
Γ 7. GROUNDWATER
Γ 8. TANK TESTING
Γ 99. OTHER

IF DOUBLE WALL TANK OR TANK WITH BLADDER *(Check one item only)*: 454

Γ 1. VISUAL (SINGLE WALL IN VAULT ONLY)
X 2. CONTINUOUS INTERSTITIAL MONITORING
Γ 3. MANUAL MONITORING

V. TANK CLOSURE INFORMATION / PERMANENT CLOSURE IN PLACE

ESTIMATED DATE LAST USED (YR/MO/DAY) 455	ESTIMATED QUANTITY OF SUBSTANCE REMAINING 456	TANK FILLED WITH INERT MATERIAL? 457
	gallons	Γ Yes Γ No

UNDERGROUND STORAGE TANKS - TANK PAGE 2

VI. PIPING CONSTRUCTION *(Check all that apply)*

	UNDERGROUND PIPING	ABOVEGROUND PIPING
SYSTEM TYPE	X 1. PRESSURE Γ 2. SUCTION Γ 3. GRAVITY	Γ 1. PRESSURE Γ 2. SUCTION Γ 3. GRAVITY 459
CONSTRUCTION / MANUFACTURER	Γ 1. SINGLE WALL Γ 3. LINED TRENCH Γ 99. OTHER X 2. DOUBLE WALL Γ 95. UNKNOWN MANUFACTURER _____ 461	Γ 1. SINGLE WALL Γ 95. UNKNOWN 462 Γ 2. DOUBLE WALL Γ 99. OTHER MANUFACTURER _____ 463
MATERIALS AND CORROSION PROTECTION	Γ 1. BARE STEEL Γ 6. FRP COMPATIBLE W/ 100% METHANOL Γ 2. STAINLESS STEEL Γ 7. GALVANIZED STEEL Γ 3. PLASTIC COMPATIBLE WITH CONTENTS Γ 95. UNKNOWN X 4. FIBERGLASS Γ 8. FLEXIBLE (HDPE) Γ 99. OTHER Γ 5. STEEL W/ COATING Γ 9. CATHODIC PROTECTION 464	Γ 1. BARE STEEL Γ 6. FRP COMPATIBLE W/ 100% METHANOL Γ 2. STAINLESS STEEL Γ 7. GALVANIZED STEEL Γ 3. PLASTIC COMPATIBLE WITH CONTENTS Γ 8. FLEXIBLE (HDPE) Γ 99. OTHER Γ 4. FIBERGLASS Γ 9. CATHODIC PROTECTION Γ 5. STEEL W/ COATING Γ 95. UNKNOWN 465

VII. PIPING LEAK DETECTION *(Check all that apply) (A description of the monitoring program shall be submitted to the local agency.)*

UNDERGROUND PIPING

SINGLE WALL PIPING 466

PRESSURIZED PIPING *(Check all that apply):*

Γ 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS

Γ 2. MONTHLY 0.2 GPH TEST

Γ 3. ANNUAL INTEGRITY TEST (0.1 GPH)

CONVENTIONAL SUCTION SYSTEMS:

Γ 5. DAILY VISUAL MONITORING OF PUMPING SYSTEM + TRIENNIAL PIPING INTEGRITY TEST (0.1 GPH)

SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING):

Γ 7. SELF MONITORING

GRAVITY FLOW:

Γ 9. BIENNIAL INTEGRITY TEST (0.1 GPH)

SECONDARILY CONTAINED PIPING

PRESSURIZED PIPING *(Check all that apply):*

10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one)
  - Γ a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS
  - X b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION
  - Γ c. NO AUTO PUMP SHUT OFF

X 11. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITH FLOW SHUT OFF OR RESTRICTION

X 12. ANNUAL INTEGRITY TEST (0.1 GPH)

SUCTION/GRAVITY SYSTEM:

Γ 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS

EMERGENCY GENERATORS ONLY *(Check all that apply)*

Γ 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF + AUDIBLE AND VISUAL ALARMS

Γ 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITHOUT FLOW SHUT OFF OR RESTRICTION

Γ 16. ANNUAL INTEGRITY TEST (0.1 GPH)

Γ 17. DAILY VISUAL CHECK

ABOVEGROUND PIPING

SINGLE WALL PIPING 467

PRESSURIZED PIPING *(Check all that apply):*

Γ 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS

Γ 2. MONTHLY 0.2 GPH TEST

Γ 3. ANNUAL INTEGRITY TEST (0.1 GPH)

Γ 4. DAILY VISUAL CHECK

CONVENTIONAL SUCTION SYSTEMS *(Check all that apply):*

Γ 5. DAILY VISUAL MONITORING OF PIPING AND PUMPING SYSTEM

Γ 6. TRIENNIAL INTEGRITY TEST (0.1 GPH)

SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING):

Γ 7. SELF MONITORING

GRAVITY FLOW *(Check all that apply):*

Γ 8. DAILY VISUAL MONITORING

Γ 9. BIENNIAL INTEGRITY TEST (0.1 GPH)

SECONDARILY CONTAINED PIPING

PRESSURIZED PIPING *(Check all that apply):*

10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (check one)
  - Γ a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS
  - Γ b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION
  - Γ c. NO AUTO PUMP SHUT OFF

Γ 11. AUTOMATIC LEAK DETECTOR

Γ 12. ANNUAL INTEGRITY TEST (0.1 GPH)

SUCTION/GRAVITY SYSTEM:

Γ 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS

EMERGENCY GENERATORS ONLY *(Check all that apply)*

Γ 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF + AUDIBLE AND VISUAL ALARMS

Γ 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST)

Γ 16. ANNUAL INTEGRITY TEST (0.1 GPH)

Γ 17. DAILY VISUAL CHECK

VIII. DISPENSER CONTAINMENT

DISPENSER CONTAINMENT Γ 1. FLOAT MECHANISM THAT SHUTS OFF SHEAR VALVE Γ 4. DAILY VISUAL CHECK

DATE INSTALLED 468 Γ 2. CONTINUOUS DISPENSER PAN SENSOR + AUDIBLE AND VISUAL ALARMS Γ 5. TRENCH LINER / MONITORING

_1998_____ X 3. CONTINUOUS DISPENSER PAN SENSOR WITH AUTO SHUT OFF FOR DISPENSER + AUDIBLE AND VISUAL ALARMS Γ 6. NONE 469

IX. OWNER/OPERATOR SIGNATURE

I certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF OWNER/OPERATOR	DATE 470
Bruce T. Marubashi	11/17/03
NAME OF OWNER/OPERATOR *(print)* 471	TITLE OF OWNER/OPERATOR 472
Bruce T. Marubashi for Shell Oil Products	**HSE Permit Analyst 925-766-3498**

Permit Number *(For local use only)* 473	Permit Approved *(For local use only)* 474	Permit Expiration Date *(For local use only)* 475

UNIFIED PROGRAM CONSOLIDATED FORM

TANKS

UNDERGROUND STORAGE TANKS - TANK PAGE 1

(two pages per tank)

TYPE OF ACTION (Check one item only) Γ 1. NEW SITE PERMIT Γ 2. OPERATOR CHANGE Γ 3. RENEWAL PERMIT Γ 4. AMENDED PERMIT (Specify reason - for local use only) X 5. CHANGE OF INFORMATION (Specify change - for local use only) _Texaco to Shell_ Γ 6. TEMPORARY SITE CLOSURE Γ 7. PERMANENTLY CLOSED ON SITE Γ 8. TANK REMOVED 430

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3: **Grapevine Shell**

FACILITY ID #: 1

LOCATION WITHIN SITE (Optional)431: **9069 Grapevine Rd, Lebec, CA 93243**

I. TANK DESCRIPTION (A scaled plot plan with the location of the UST system including buildings and landmarks shall be submitted to the local agency.)

TANK ID # 432	TANK MANUFACTURER 433	COMPARTMENTALIZED TANK Γ Yes X No 434
121190 – Regular east	Xerxes	If AYes=, complete one page for each compartment.
DATE INSTALLED (YEAR/MO) 435	TANK CAPACITY IN GALLONS 436	NUMBER OF COMPARTMENTS 437
UNK	10,000	ONE

ADDITIONAL DESCRIPTION (For local use only) 438

II. TANK CONTENTS

TANK USE 439
- X 1. MOTOR VEHICLE FUEL (If marked, complete Petroleum Type)
- Γ 2. NON-FUEL PETROLEUM
- Γ 3. CHEMICAL PRODUCT
- Γ 4. HAZARDOUS WASTE (Includes Used Oil)
- Γ 95. UNKNOWN

PETROLEUM TYPE 440
- X 1a. REGULAR UNLEADED
- Γ 1b. PREMIUM UNLEADED
- Γ 1c. MIDGRADE UNLEADED
- Γ 2. LEADED
- Γ 3. DIESEL
- Γ 4. GASOHOL
- Γ 5. JET FUEL
- Γ 6. AVIATION FUEL
- Γ 99. OTHER

COMMON NAME (from Hazardous Materials Inventory page) 441

CAS # (from Hazardous Materials Inventory page) 442

III. TANK CONSTRUCTION

TYPE OF TANK (Check one item only)
- Γ 1. SINGLE WALL
- X 2. DOUBLE WALL
- Γ 3. SINGLE WALL WITH EXTERIOR MEMBRANE LINER
- Γ 4. SINGLE WALL IN A VAULT
- Γ 5. SINGLE WALL WITH INTERNAL BLADDER SYSTEM 443
- Γ 95. UNKNOWN
- Γ 99. OTHER

TANK MATERIAL - primary tank (Check one item only)
- Γ 1. BARE STEEL
- Γ 2. STAINLESS STEEL
- X 3. FIBERGLASS / PLASTIC
- Γ 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP)
- Γ 5. CONCRETE
- Γ 8. FRP COMPATIBLE W/100% METHANOL
- Γ 95. UNKNOWN 444
- Γ 99. OTHER

TANK MATERIAL - secondary tank (Check one item only)
- Γ 1. BARE STEEL
- Γ 2. STAINLESS STEEL
- X 3. FIBERGLASS / PLASTIC
- Γ 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP)
- Γ 5. CONCRETE
- Γ 8. FRP COMPATIBLE W/100% METHANOL
- Γ 9. FRP NON-CORRODIBLE JACKET
- Γ 10. COATED STEEL
- Γ 95. UNKNOWN 445
- Γ 99. OTHER

TANK INTERIOR LINING OR COATING (Check one item only)
- Γ 1. RUBBER LINED
- Γ 2. ALKYD LINING
- Γ 3. EPOXY LINING
- Γ 4. PHENOLIC LINING
- Γ 5. GLASS LINING
- Γ 95. UNKNOWN446
- X 6. UNLINED
- Γ 99. OTHER

DATE INSTALLED 447 (For local use only)

OTHER CORROSION PROTECTION IF APPLICABLE (Check one item only)
- Γ 1. MANUFACTURED CATHODIC PROTECTION
- Γ 2. SACRIFICIAL ANODE
- X 3. FIBERGLASS REINFORCED PLASTIC
- Γ 4. IMPRESSED CURRENT
- Γ 95. UNKNOWN 448
- Γ 99. OTHER

DATE INSTALLED 449 (For local use only)

SPILL AND OVERFILL (Check all that apply)

YEAR INSTALLED 450 / TYPE (For local use only)451
- X 1. SPILL CONTAINMENT _1998_
- X 2. DROP TUBE _1998_
- X 3. STRIKER PLATE _1998_

OVERFILL PROTECTION EQUIPMENT: YEAR INSTALLED 452
- X 1. ALARM
- X 3. FILL TUBE SHUT OFF VALVE
- Γ 2. BALL FLOAT
- Γ 4. EXEMPT

IV. TANK LEAK DETECTION (A description of the monitoring program shall be submitted to the local agency.)

IF SINGLE WALL TANK (Check all that apply): 453
- Γ 1. VISUAL (EXPOSED PORTION ONLY)
- Γ 2. AUTOMATIC TANK GAUGING (ATG)
- Γ 3. CONTINUOUS ATG
- Γ 4. STATISTICAL INVENTORY RECONCILIATION (SIR) + BIENNIAL TANK TESTING
- Γ 5. MANUAL TANK GAUGING (MTG)
- Γ 6. VADOSE ZONE
- Γ 7. GROUNDWATER
- Γ 8. TANK TESTING
- Γ 99. OTHER

IF DOUBLE WALL TANK OR TANK WITH BLADDER (Check one item only): 454
- Γ 1. VISUAL (SINGLE WALL IN VAULT ONLY)
- X 2. CONTINUOUS INTERSTITIAL MONITORING
- Γ 3. MANUAL MONITORING

V. TANK CLOSURE INFORMATION / PERMANENT CLOSURE IN PLACE

ESTIMATED DATE LAST USED (YR/MO/DAY) 455	ESTIMATED QUANTITY OF SUBSTANCE REMAINING 456	TANK FILLED WITH INERT MATERIAL? 457
	gallons	Γ Yes Γ No

UNDERGROUND STORAGE TANKS - TANK PAGE 2

VI. PIPING CONSTRUCTION (Check all that apply)

	UNDERGROUND PIPING	ABOVEGROUND PIPING
SYSTEM TYPE	X 1. PRESSURE ☐ 2. SUCTION ☐ 3. GRAVITY	☐ 1. PRESSURE ☐ 2. SUCTION ☐ 3. GRAVITY 459
CONSTRUCTION / MANUFACTURER	☐ 1. SINGLE WALL ☐ 3. LINED TRENCH ☐ 99. OTHER X 2. DOUBLE WALL ☐ 95. UNKNOWN MANUFACTURER _____ 461	☐ 1. SINGLE WALL ☐ 95. UNKNOWN 462 ☐ 2. DOUBLE WALL ☐ 99. OTHER MANUFACTURER _____ 463
MATERIALS AND CORROSION PROTECTION	☐ 1. BARE STEEL ☐ 6. FRP COMPATIBLE W/ 100% METHANOL ☐ 2. STAINLESS STEEL ☐ 7. GALVANIZED STEEL ☐ 3. PLASTIC COMPATIBLE WITH CONTENTS ☐ 95. UNKNOWN X 4. FIBERGLASS ☐ 8. FLEXIBLE (HDPE) ☐ 99. OTHER ☐ 5. STEEL W/ COATING ☐ 9. CATHODIC PROTECTION 464	☐ 1. BARE STEEL ☐ 6. FRP COMPATIBLE W/ 100% METHANOL ☐ 2. STAINLESS STEEL ☐ 7. GALVANIZED STEEL ☐ 3. PLASTIC COMPATIBLE WITH CONTENTS ☐ 8. FLEXIBLE (HDPE) ☐ 99. OTHER ☐ 4. FIBERGLASS ☐ 9. CATHODIC PROTECTION ☐ 5. STEEL W/ COATING ☐ 95. UNKNOWN 465

VII. PIPING LEAK DETECTION (Check all that apply) (A description of the monitoring program shall be submitted to the local agency.)

UNDERGROUND PIPING

SINGLE WALL PIPING 466

PRESSURIZED PIPING *(Check all that apply)*:

☐ 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS

☐ 2. MONTHLY 0.2 GPH TEST

☐ 3. ANNUAL INTEGRITY TEST (0.1 GPH)

CONVENTIONAL SUCTION SYSTEMS:

☐ 5. DAILY VISUAL MONITORING OF PUMPING SYSTEM + TRIENNIAL PIPING INTEGRITY TEST (0.1 GPH)

SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING):

☐ 7. SELF MONITORING

GRAVITY FLOW:

☐ 9. BIENNIAL INTEGRITY TEST (0.1 GPH)

SECONDARILY CONTAINED PIPING

PRESSURIZED PIPING *(Check all that apply)*:

10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one)
- ☐ a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS
- X b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION
- ☐ c. NO AUTO PUMP SHUT OFF

X 11. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITH FLOW SHUT OFF OR RESTRICTION

X 12. ANNUAL INTEGRITY TEST (0.1 GPH)

SUCTION/GRAVITY SYSTEM:

☐ 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS

EMERGENCY GENERATORS ONLY *(Check all that apply)*

☐ 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF + AUDIBLE AND VISUAL ALARMS

☐ 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITHOUT FLOW SHUT OFF OR RESTRICTION

☐ 16. ANNUAL INTEGRITY TEST (0.1 GPH)

☐ 17. DAILY VISUAL CHECK

ABOVEGROUND PIPING

SINGLE WALL PIPING 467

PRESSURIZED PIPING *(Check all that apply)*:

☐ 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS

☐ 2. MONTHLY 0.2 GPH TEST

☐ 3. ANNUAL INTEGRITY TEST (0.1 GPH)

☐ 4. DAILY VISUAL CHECK

CONVENTIONAL SUCTION SYSTEMS *(Check all that apply)*:

☐ 5. DAILY VISUAL MONITORING OF PIPING AND PUMPING SYSTEM

☐ 6. TRIENNIAL INTEGRITY TEST (0.1 GPH)

SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING):

☐ 7. SELF MONITORING

GRAVITY FLOW *(Check all that apply)*:

☐ 8. DAILY VISUAL MONITORING

☐ 9. BIENNIAL INTEGRITY TEST (0.1 GPH)

SECONDARILY CONTAINED PIPING

PRESSURIZED PIPING *(Check all that apply)*:

10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (check one)
- ☐ a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS
- ☐ b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION
- ☐ c. NO AUTO PUMP SHUT OFF

☐ 11. AUTOMATIC LEAK DETECTOR

☐ 12. ANNUAL INTEGRITY TEST (0.1 GPH)

SUCTION/GRAVITY SYSTEM:

☐ 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS

EMERGENCY GENERATORS ONLY *(Check all that apply)*

☐ 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF + AUDIBLE AND VISUAL ALARMS

☐ 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST)

☐ 16. ANNUAL INTEGRITY TEST (0.1 GPH)

☐ 17. DAILY VISUAL CHECK

VIII. DISPENSER CONTAINMENT

DISPENSER CONTAINMENT ☐ 1. FLOAT MECHANISM THAT SHUTS OFF SHEAR VALVE ☐ 4. DAILY VISUAL CHECK

DATE INSTALLED 468 ☐ 2. CONTINUOUS DISPENSER PAN SENSOR + AUDIBLE AND VISUAL ALARMS ☐ 5. TRENCH LINER / MONITORING

_1998_____ X 3. CONTINUOUS DISPENSER PAN SENSOR WITH AUTO SHUT OFF FOR DISPENSER + AUDIBLE AND VISUAL ALARMS ☐ 6. NONE 469

IX. OWNER/OPERATOR SIGNATURE

I certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF OWNER/OPERATOR	DATE 470
Bruce T. Marubashi	11/17/03
NAME OF OWNER/OPERATOR *(print)* 471	TITLE OF OWNER/OPERATOR 472
Bruce T. Marubashi for Shell Oil Products	**HSE Permit Analyst 925-766-3498**

Permit Number *(For local use only)* 473	Permit Approved *(For local use only)* 474	Permit Expiration Date *(For local use only)* 475

UNIFIED PROGRAM CONSOLIDATED FORM

TANKS

UNDERGROUND STORAGE TANKS - TANK PAGE 1

(two pages per tank)

TYPE OF ACTION *(Check one item only)* Γ 1. NEW SITE PERMIT Γ 2. OPERATOR CHANGE Γ 3. RENEWAL PERMIT Γ 4. AMENDED PERMIT *(Specify reason - for local use only)* X 5. CHANGE OF INFORMATION) Texaco to Shell *(Specify change - for local use only)* Γ 6. TEMPORARY SITE CLOSURE Γ 7. PERMANENTLY CLOSED ON SITE Γ 8. TANΓ K REMOVED 430

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3: **Grapevine Shell**

FACILITY ID # 1

LOCATION WITHIN SITE *(Optional)*431: **9069 Grapevine Rd, Lebec, CA 93243**

I. TANK DESCRIPTION *(A scaled plot plan with the location of the UST system including buildings and landmarks shall be submitted to the local agency.)*

TANK ID # 432	TANK MANUFACTURER 433	COMPARTMENTALIZED TANK Γ Yes X No 434
121190 – Premium	Xerxes	If AYes, complete one page for each compartment.
DATE INSTALLED (YEAR/MO) 435	TANK CAPACITY IN GALLONS 436	NUMBER OF COMPARTMENTS 437
UNK	8,000	ONE

ADDITIONAL DESCRIPTION *(For local use only)* 438

II. TANK CONTENTS

TANK USE 439

X 1. MOTOR VEHICLE FUEL *(If marked, complete Petroleum Type)*
Γ 2. NON-FUEL PETROLEUM
Γ 3. CHEMICAL PRODUCT
Γ 4. HAZARDOUS WASTE *(Includes Used Oil)*
Γ 95. UNKNOWN

PETROLEUM TYPE 440

Γ 1a. REGULAR UNLEADED
X 1b. PREMIUM UNLEADED
Γ 1c. MIDGRADE UNLEADED
Γ 2. LEADED
Γ 3. DIESEL
Γ 4. GASOHOL
Γ 5. JET FUEL
Γ 6. AVIATION FUEL
Γ 99. OTHER

COMMON NAME *(from Hazardous Materials Inventory page)* 441

CAS # *(from Hazardous Materials Inventory page)* 442

III. TANK CONSTRUCTION

TYPE OF TANK *(Check one item only)*
Γ 1. SINGLE WALL
X 2. DOUBLE WALL
Γ 3. SINGLE WALL WITH EXTERIOR MEMBRANE LINER
Γ 4. SINGLE WALL IN A VAULT
Γ 5. SINGLE WALL WITH INTERNAL BLADDER SYSTEM 443
Γ 95. UNKNOWN
Γ 99. OTHER

TANK MATERIAL - primary tank *(Check one item only)*
Γ 1. BARE STEEL
Γ 2. STAINLESS STEEL
X 3. FIBERGLASS / PLASTIC
Γ 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP)
Γ 5. CONCRETE
Γ 8. FRP COMPATIBLE W/100% METHANOL
Γ 95. UNKNOWN 444
Γ 99. OTHER

TANK MATERIAL - secondary tank *(Check one item only)*
Γ 1. BARE STEEL
Γ 2. STAINLESS STEEL
X 3. FIBERGLASS / PLASTIC
Γ 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP)
Γ 5. CONCRETE
Γ 8. FRP COMPATIBLE W/100% METHANOL
Γ 9. FRP NON-CORRODIBLE JACKET
Γ 10. COATED STEEL
Γ 95. UNKNOWN 445
Γ 99. OTHER

TANK INTERIOR LINING OR COATING *(Check one item only)*
Γ 1. RUBBER LINED
Γ 2. ALKYD LINING
Γ 3. EPOXY LINING
Γ 4. PHENOLIC LINING
Γ 5. GLASS LINING
X 6. UNLINED
Γ 95. UNKNOWN446
Γ 99. OTHER
DATE INSTALLED 447 *(For local use only)*

OTHER CORROSION PROTECTION IF APPLICABLE *(Check one item only)*
Γ 1. MANUFACTURED CATHODIC PROTECTION
Γ 2. SACRIFICIAL ANODE
X 3. FIBERGLASS REINFORCED PLASTIC
Γ 4. IMPRESSED CURRENT
Γ 95. UNKNOWN 448
Γ 99. OTHER
DATE INSTALLED 449 *(For local use only)*

SPILL AND OVERFILL *(Check all that apply)*

YEAR INSTALLED 450 — TYPE *(For local use only)*451

X 1. SPILL CONTAINMENT 1998
X 2. DROP TUBE 1998
X 3. STRIKER PLATE 1998

OVERFILL PROTECTION EQUIPMENT: YEAR INSTALLED 452

X 1. ALARM
X 3. FILL TUBE SHUT OFF VALVE
Γ 2. BALL FLOAT
Γ 4. EXEMPT

IV. TANK LEAK DETECTION *(A description of the monitoring program shall be submitted to the local agency.)*

IF SINGLE WALL TANK *(Check all that apply)*: 453

Γ 1. VISUAL (EXPOSED PORTION ONLY)
Γ 2. AUTOMATIC TANK GAUGING (ATG)
Γ 3. CONTINUOUS ATG
Γ 4. STATISTICAL INVENTORY RECONCILIATION (SIR) + BIENNIAL TANK TESTING
Γ 5. MANUAL TANK GAUGING (MTG)
Γ 6. VADOSE ZONE
Γ 7. GROUNDWATER
Γ 8. TANK TESTING
Γ 99. OTHER

IF DOUBLE WALL TANK OR TANK WITH BLADDER *(Check one item only)*: 454

Γ 1. VISUAL (SINGLE WALL IN VAULT ONLY)
X 2. CONTINUOUS INTERSTITIAL MONITORING
Γ 3. MANUAL MONITORING

V. TANK CLOSURE INFORMATION / PERMANENT CLOSURE IN PLACE

ESTIMATED DATE LAST USED (YR/MO/DAY) 455	ESTIMATED QUANTITY OF SUBSTANCE REMAINING 456	TANK FILLED WITH INERT MATERIAL? 457
	gallons	Γ Yes Γ No

UNDERGROUND STORAGE TANKS - TANK PAGE 2

VI. PIPING CONSTRUCTION (Check all that apply)

	UNDERGROUND PIPING	ABOVEGROUND PIPING
SYSTEM TYPE	X 1. PRESSURE Γ 2. SUCTION Γ 3. GRAVITY	Γ 1. PRESSURE Γ 2. SUCTION Γ 3. GRAVITY 459
CONSTRUCTION / MANUFACTURER	Γ 1. SINGLE WALL Γ 3. LINED TRENCH Γ 99. OTHER X 2. DOUBLE WALL Γ 95. UNKNOWN MANUFACTURER _____ 461	Γ 1. SINGLE WALL Γ 95. UNKNOWN 462 Γ 2. DOUBLE WALL Γ 99. OTHER MANUFACTURER _____ 463
MATERIALS AND CORROSION PROTECTION	Γ 1. BARE STEEL Γ 6. FRP COMPATIBLE W/ 100% METHANOL Γ 2. STAINLESS STEEL Γ 7. GALVANIZED STEEL Γ 3. PLASTIC COMPATIBLE WITH CONTENTS Γ 95. UNKNOWN X 4. FIBERGLASS Γ 8. FLEXIBLE (HDPE) Γ 99. OTHER Γ 5. STEEL W/ COATING Γ 9. CATHODIC PROTECTION 464	Γ 1. BARE STEEL Γ 6. FRP COMPATIBLE W/ 100% METHANOL Γ 2. STAINLESS STEEL Γ 7. GALVANIZED STEEL Γ 3. PLASTIC COMPATIBLE WITH CONTENTS Γ 8. FLEXIBLE (HDPE) Γ 99. OTHER Γ 4. FIBERGLASS Γ 9. CATHODIC PROTECTION Γ 5. STEEL W/ COATING Γ 95. UNKNOWN 465

VII. PIPING LEAK DETECTION (Check all that apply) (A description of the monitoring program shall be submitted to the local agency.)

UNDERGROUND PIPING

SINGLE WALL PIPING 466

PRESSURIZED PIPING *(Check all that apply)*:

Γ 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS

Γ 2. MONTHLY 0.2 GPH TEST

Γ 3. ANNUAL INTEGRITY TEST (0.1 GPH)

CONVENTIONAL SUCTION SYSTEMS:

Γ 5. DAILY VISUAL MONITORING OF PUMPING SYSTEM + TRIENNIAL PIPING INTEGRITY TEST (0.1 GPH)

SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING):

Γ 7. SELF MONITORING

GRAVITY FLOW:

Γ 9. BIENNIAL INTEGRITY TEST (0.1 GPH)

SECONDARILY CONTAINED PIPING

PRESSURIZED PIPING *(Check all that apply)*:

10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one)
   - Γ a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS
   - X b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION
   - Γ c. NO AUTO PUMP SHUT OFF

X 11. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITH FLOW SHUT OFF OR RESTRICTION

X 12. ANNUAL INTEGRITY TEST (0.1 GPH)

SUCTION/GRAVITY SYSTEM:

Γ 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS

EMERGENCY GENERATORS ONLY *(Check all that apply)*

Γ 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF + AUDIBLE AND VISUAL ALARMS

Γ 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITHOUT FLOW SHUT OFF OR RESTRICTION

Γ 16. ANNUAL INTEGRITY TEST (0.1 GPH)

Γ 17. DAILY VISUAL CHECK

ABOVEGROUND PIPING

SINGLE WALL PIPING 467

PRESSURIZED PIPING *(Check all that apply)*:

Γ 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS

Γ 2. MONTHLY 0.2 GPH TEST

Γ 3. ANNUAL INTEGRITY TEST (0.1 GPH)

Γ 4. DAILY VISUAL CHECK

CONVENTIONAL SUCTION SYSTEMS *(Check all that apply)*:

Γ 5. DAILY VISUAL MONITORING OF PIPING AND PUMPING SYSTEM

Γ 6. TRIENNIAL INTEGRITY TEST (0.1 GPH)

SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING):

Γ 7. SELF MONITORING

GRAVITY FLOW *(Check all that apply)*:

Γ 8. DAILY VISUAL MONITORING

Γ 9. BIENNIAL INTEGRITY TEST (0.1 GPH)

SECONDARILY CONTAINED PIPING

PRESSURIZED PIPING *(Check all that apply)*:

10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (check one)
   - Γ a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS
   - Γ b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION
   - Γ c. NO AUTO PUMP SHUT OFF

Γ 11. AUTOMATIC LEAK DETECTOR

Γ 12. ANNUAL INTEGRITY TEST (0.1 GPH)

SUCTION/GRAVITY SYSTEM:

Γ 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS

EMERGENCY GENERATORS ONLY *(Check all that apply)*

Γ 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF + AUDIBLE AND VISUAL ALARMS

Γ 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST)

Γ 16. ANNUAL INTEGRITY TEST (0.1 GPH)

Γ 17. DAILY VISUAL CHECK

VIII. DISPENSER CONTAINMENT

DISPENSER CONTAINMENT Γ 1. FLOAT MECHANISM THAT SHUTS OFF SHEAR VALVE Γ 4. DAILY VISUAL CHECK

DATE INSTALLED 468 Γ 2. CONTINUOUS DISPENSER PAN SENSOR + AUDIBLE AND VISUAL ALARMS Γ 5. TRENCH LINER / MONITORING

_1998_____ X 3. CONTINUOUS DISPENSER PAN SENSOR WITH AUTO SHUT OFF FOR DISPENSER + AUDIBLE AND VISUAL ALARMS Γ 6. NONE 469

IX. OWNER/OPERATOR SIGNATURE

I certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF OWNER/OPERATOR	DATE 470
Bruce T. Marubashi	11/17/03
NAME OF OWNER/OPERATOR *(print)* 471	TITLE OF OWNER/OPERATOR 472
Bruce T. Marubashi for Shell Oil Products	**HSE Permit Analyst 925-766-3498**

Permit Number *(For local use only)* 473	Permit Approved *(For local use only)* 474	Permit Expiration Date *(For local use only)* 475

UNIFIED PROGRAM CONSOLIDATED FORM

TANKS

UNDERGROUND STORAGE TANKS - TANK PAGE 1

(two pages per tank)

TYPE OF ACTION *(Check one item only)*: Γ 1. NEW SITE PERMIT; Γ 2. OPERATOR CHANGE; Γ 3. RENEWAL PERMIT; Γ 4. AMENDED PERMIT _____ *(Specify reason - for local use only)*; X 5. CHANGE OF INFORMATION) _Texaco to Shell_____ *(Specify change - for local use only)*; Γ 6. TEMPORARY SITE CLOSURE; Γ 7. PERMANENTLY CLOSED ON SITE; Γ 8. TANΓK REMOVED 430

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3: **Grapevine Shell**

FACILITY ID #: 1

LOCATION WITHIN SITE *(Optional)*431: **9069 Grapevine Rd, Lebec, CA 93243**

I. TANK DESCRIPTION *(A scaled plot plan with the location of the UST system including buildings and landmarks shall be submitted to the local agency.)*

TANK ID # 432	TANK MANUFACTURER 433	COMPARTMENTALIZED TANK Γ Yes X No 434
121190 – Plus	Xerxes	If AYes≡, complete one page for each compartment.
DATE INSTALLED (YEAR/MO) 435	TANK CAPACITY IN GALLONS 436	NUMBER OF COMPARTMENTS 437
UNK	12,000	ONE

ADDITIONAL DESCRIPTION *(For local use only)* 438

II. TANK CONTENTS

TANK USE 439:
X 1. MOTOR VEHICLE FUEL *(If marked, complete Petroleum Type)*
Γ 2. NON-FUEL PETROLEUM
Γ 3. CHEMICAL PRODUCT
Γ 4. HAZARDOUS WASTE *(Includes Used Oil)*
Γ 95. UNKNOWN

PETROLEUM TYPE 440:
Γ 1a. REGULAR UNLEADED; Γ 2. LEADED; Γ 5. JET FUEL
Γ 1b. PREMIUM UNLEADED; Γ 3. DIESEL; Γ 6. AVIATION FUEL
X 1c. MIDGRADE UNLEADED; Γ 4. GASOHOL; Γ 99. OTHER _____

COMMON NAME *(from Hazardous Materials Inventory page)* 441

CAS # *(from Hazardous Materials Inventory page)* 442

III. TANK CONSTRUCTION

TYPE OF TANK *(Check one item only)*:
Γ 1. SINGLE WALL; X 2. DOUBLE WALL; Γ 3. SINGLE WALL WITH EXTERIOR MEMBRANE LINER; Γ 4. SINGLE WALL IN A VAULT; Γ 5. SINGLE WALL WITH INTERNAL BLADDER SYSTEM 443; Γ 95. UNKNOWN; Γ 99. OTHER _____

TANK MATERIAL - primary tank *(Check one item only)*:
Γ 1. BARE STEEL; Γ 2. STAINLESS STEEL; X 3. FIBERGLASS / PLASTIC; Γ 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP); Γ 5. CONCRETE; Γ 8. FRP COMPATIBLE W/100% METHANOL; Γ 95. UNKNOWN 444; Γ 99. OTHER_____

TANK MATERIAL - secondary tank *(Check one item only)*:
Γ 1. BARE STEEL; Γ 2. STAINLESS STEEL; X 3. FIBERGLASS / PLASTIC; Γ 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP); Γ 5. CONCRETE; Γ 8. FRP COMPATIBLE W/100% METHANOL; Γ 9. FRP NON-CORRODIBLE JACKET; Γ 10. COATED STEEL; Γ 95. UNKNOWN 445; Γ 99. OTHER_____

TANK INTERIOR LINING OR COATING *(Check one item only)*:
Γ 1. RUBBER LINED; Γ 2. ALKYD LINING; Γ 3. EPOXY LINING; Γ 4. PHENOLIC LINING; Γ 5. GLASS LINING; X 6. UNLINED; Γ 95. UNKNOWN446; Γ 99. OTHER _____
DATE INSTALLED 447 _____ *(For local use only)*

OTHER CORROSION PROTECTION IF APPLICABLE *(Check one item only)*:
Γ 1. MANUFACTURED CATHODIC PROTECTION; Γ 2. SACRIFICIAL ANODE; X 3. FIBERGLASS REINFORCED PLASTIC; Γ 4. IMPRESSED CURRENT; Γ 95. UNKNOWN 448; Γ 99. OTHER _____
DATE INSTALLED 449 _____ *(For local use only)*

SPILL AND OVERFILL *(Check all that apply)*:

	YEAR INSTALLED 450	TYPE *(For local use only)*451
X 1. SPILL CONTAINMENT	1998	
X 2. DROP TUBE	1998	
X 3. STRIKER PLATE	1998	

OVERFILL PROTECTION EQUIPMENT: YEAR INSTALLED 452:
X 1. ALARM _____; X 3. FILL TUBE SHUT OFF VALVE _____
Γ 2. BALL FLOAT _____; Γ 4. EXEMPT

IV. TANK LEAK DETECTION *(A description of the monitoring program shall be submitted to the local agency.)*

IF SINGLE WALL TANK *(Check all that apply)*: 453
Γ 1. VISUAL (EXPOSED PORTION ONLY)
Γ 2. AUTOMATIC TANK GAUGING (ATG)
Γ 3. CONTINUOUS ATG
Γ 4. STATISTICAL INVENTORY RECONCILIATION (SIR) + BIENNIAL TANK TESTING
Γ 5. MANUAL TANK GAUGING (MTG)
Γ 6. VADOSE ZONE
Γ 7. GROUNDWATER
Γ 8. TANK TESTING
Γ 99. OTHER _____

IF DOUBLE WALL TANK OR TANK WITH BLADDER *(Check one item only)*: 454
Γ 1. VISUAL (SINGLE WALL IN VAULT ONLY)
X 2. CONTINUOUS INTERSTITIAL MONITORING
Γ 3. MANUAL MONITORING

V. TANK CLOSURE INFORMATION / PERMANENT CLOSURE IN PLACE

ESTIMATED DATE LAST USED (YR/MO/DAY) 455	ESTIMATED QUANTITY OF SUBSTANCE REMAINING 456	TANK FILLED WITH INERT MATERIAL? 457
_____	_____gallons	Γ Yes Γ No

UNDERGROUND STORAGE TANKS - TANK PAGE 2

VI. PIPING CONSTRUCTION (Check all that apply)

	UNDERGROUND PIPING	ABOVEGROUND PIPING
SYSTEM TYPE	X 1. PRESSURE ☐ 2. SUCTION ☐ 3. GRAVITY	☐ 1. PRESSURE ☐ 2. SUCTION ☐ 3. GRAVITY 459
CONSTRUCTION / MANUFACTURER	☐ 1. SINGLE WALL ☐ 3. LINED TRENCH ☐ 99. OTHER X 2. DOUBLE WALL ☐ 95. UNKNOWN MANUFACTURER _____ 461	☐ 1. SINGLE WALL ☐ 95. UNKNOWN 462 ☐ 2. DOUBLE WALL ☐ 99. OTHER MANUFACTURER _____ 463
MATERIALS AND CORROSION PROTECTION	☐ 1. BARE STEEL ☐ 6. FRP COMPATIBLE W/ 100% METHANOL ☐ 2. STAINLESS STEEL ☐ 7. GALVANIZED STEEL ☐ 3. PLASTIC COMPATIBLE WITH CONTENTS ☐ 95. UNKNOWN X 4. FIBERGLASS ☐ 8. FLEXIBLE (HDPE) ☐ 99. OTHER ☐ 5. STEEL W/ COATING ☐ 9. CATHODIC PROTECTION 464	☐ 1. BARE STEEL ☐ 6. FRP COMPATIBLE W/ 100% METHANOL ☐ 2. STAINLESS STEEL ☐ 7. GALVANIZED STEEL ☐ 3. PLASTIC COMPATIBLE WITH CONTENTS ☐ 8. FLEXIBLE (HDPE) ☐ 99. OTHER ☐ 4. FIBERGLASS ☐ 9. CATHODIC PROTECTION ☐ 5. STEEL W/ COATING ☐ 95. UNKNOWN 465

VII. PIPING LEAK DETECTION (Check all that apply) (A description of the monitoring program shall be submitted to the local agency.)

UNDERGROUND PIPING

SINGLE WALL PIPING 466

PRESSURIZED PIPING *(Check all that apply)*:

☐ 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS

☐ 2. MONTHLY 0.2 GPH TEST

☐ 3. ANNUAL INTEGRITY TEST (0.1 GPH)

CONVENTIONAL SUCTION SYSTEMS:

☐ 5. DAILY VISUAL MONITORING OF PUMPING SYSTEM + TRIENNIAL PIPING INTEGRITY TEST (0.1 GPH)

SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING):

☐ 7. SELF MONITORING

GRAVITY FLOW:

☐ 9. BIENNIAL INTEGRITY TEST (0.1 GPH)

SECONDARILY CONTAINED PIPING

PRESSURIZED PIPING *(Check all that apply)*:

10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one)
- ☐ a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS
- X b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION
- ☐ c. NO AUTO PUMP SHUT OFF

X 11. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITH FLOW SHUT OFF OR RESTRICTION

X 12. ANNUAL INTEGRITY TEST (0.1 GPH)

SUCTION/GRAVITY SYSTEM:

☐ 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS

EMERGENCY GENERATORS ONLY *(Check all that apply)*

☐ 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF + AUDIBLE AND VISUAL ALARMS

☐ 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITHOUT FLOW SHUT OFF OR RESTRICTION

☐ 16. ANNUAL INTEGRITY TEST (0.1 GPH)

☐ 17. DAILY VISUAL CHECK

ABOVEGROUND PIPING

SINGLE WALL PIPING 467

PRESSURIZED PIPING *(Check all that apply)*:

☐ 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS

☐ 2. MONTHLY 0.2 GPH TEST

☐ 3. ANNUAL INTEGRITY TEST (0.1 GPH)

☐ 4. DAILY VISUAL CHECK

CONVENTIONAL SUCTION SYSTEMS *(Check all that apply)*:

☐ 5. DAILY VISUAL MONITORING OF PIPING AND PUMPING SYSTEM

☐ 6. TRIENNIAL INTEGRITY TEST (0.1 GPH)

SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING):

☐ 7. SELF MONITORING

GRAVITY FLOW *(Check all that apply)*:

☐ 8. DAILY VISUAL MONITORING

☐ 9. BIENNIAL INTEGRITY TEST (0.1 GPH)

SECONDARILY CONTAINED PIPING

PRESSURIZED PIPING *(Check all that apply)*:

10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (check one)
- ☐ a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS
- ☐ b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION
- ☐ c. NO AUTO PUMP SHUT OFF

☐ 11. AUTOMATIC LEAK DETECTOR

☐ 12. ANNUAL INTEGRITY TEST (0.1 GPH)

SUCTION/GRAVITY SYSTEM:

☐ 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS

EMERGENCY GENERATORS ONLY *(Check all that apply)*

☐ 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF + AUDIBLE AND VISUAL ALARMS

☐ 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST)

☐ 16. ANNUAL INTEGRITY TEST (0.1 GPH)

☐ 17. DAILY VISUAL CHECK

VIII. DISPENSER CONTAINMENT

DISPENSER CONTAINMENT ☐ 1. FLOAT MECHANISM THAT SHUTS OFF SHEAR VALVE ☐ 4. DAILY VISUAL CHECK

DATE INSTALLED 468 ☐ 2. CONTINUOUS DISPENSER PAN SENSOR + AUDIBLE AND VISUAL ALARMS ☐ 5. TRENCH LINER / MONITORING

_1998_____ X 3. CONTINUOUS DISPENSER PAN SENSOR WITH AUTO SHUT OFF FOR DISPENSER + AUDIBLE AND VISUAL ALARMS ☐ 6. NONE 469

IX. OWNER/OPERATOR SIGNATURE

I certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF OWNER/OPERATOR	DATE 470
Bruce T Marubashi	11/17/03
NAME OF OWNER/OPERATOR *(print)* 471	TITLE OF OWNER/OPERATOR 472
Bruce T. Marubashi for Shell Oil Products	**HSE Permit Analyst 925-766-3498**

Permit Number *(For local use only)* 473	Permit Approved *(For local use only)* 474	Permit Expiration Date *(For local use only)* 475

UNIFIED PROGRAM CONSOLIDATED FORM

TANKS

UNDERGROUND STORAGE TANKS - TANK PAGE 1

(two pages per tank)

TYPE OF ACTION (Check one item only) ☐ 1. NEW SITE PERMIT ☐ 2. OPERATOR CHANGE ☐ 3. RENEWAL PERMIT ☐ 4. AMENDED PERMIT (Specify reason - for local use only) ☒ 5. CHANGE OF INFORMATION) Texaco to Shell (Specify change - for local use only) ☐ 6. TEMPORARY SITE CLOSURE ☐ 7. PERMANENTLY CLOSED ON SITE ☐ 8. TANK REMOVED 430

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3: **Grapevine Shell**

FACILITY ID # 1

LOCATION WITHIN SITE (Optional) 431: **9069 Grapevine Rd, Lebec, CA 93243**

I. TANK DESCRIPTION (A scaled plot plan with the location of the UST system including buildings and landmarks shall be submitted to the local agency.)

TANK ID # 432	TANK MANUFACTURER 433	COMPARTMENTALIZED TANK ☐ Yes ☒ No 434
121190 – Diesel	Xerxes	If AYes≡, complete one page for each compartment.
DATE INSTALLED (YEAR/MO) 435	TANK CAPACITY IN GALLONS 436	NUMBER OF COMPARTMENTS 437
UNK	10,000	ONE

ADDITIONAL DESCRIPTION (For local use only) 438

II. TANK CONTENTS

TANK USE 439

☒ 1. MOTOR VEHICLE FUEL (If marked, complete Petroleum Type)
☐ 2. NON-FUEL PETROLEUM
☐ 3. CHEMICAL PRODUCT
☐ 4. HAZARDOUS WASTE (Includes Used Oil)
☐ 95. UNKNOWN

PETROLEUM TYPE 440

☐ 1a. REGULAR UNLEADED ☐ 2. LEADED ☐ 5. JET FUEL
☐ 1b. PREMIUM UNLEADED ☒ 3. DIESEL ☐ 6. AVIATION FUEL
☐ 1c. MIDGRADE UNLEADED ☐ 4. GASOHOL ☐ 99. OTHER

COMMON NAME (from Hazardous Materials Inventory page) 441

CAS # (from Hazardous Materials Inventory page) 442

III. TANK CONSTRUCTION

TYPE OF TANK (Check one item only)
☐ 1. SINGLE WALL ☒ 2. DOUBLE WALL ☐ 3. SINGLE WALL WITH EXTERIOR MEMBRANE LINER ☐ 4. SINGLE WALL IN A VAULT ☐ 5. SINGLE WALL WITH INTERNAL BLADDER SYSTEM 443 ☐ 95. UNKNOWN ☐ 99. OTHER

TANK MATERIAL - primary tank (Check one item only)
☐ 1. BARE STEEL ☐ 2. STAINLESS STEEL ☒ 3. FIBERGLASS / PLASTIC ☐ 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP) ☐ 5. CONCRETE ☐ 8. FRP COMPATIBLE W/100% METHANOL ☐ 95. UNKNOWN 444 ☐ 99. OTHER

TANK MATERIAL - secondary tank (Check one item only)
☐ 1. BARE STEEL ☐ 2. STAINLESS STEEL ☒ 3. FIBERGLASS / PLASTIC ☐ 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP) ☐ 5. CONCRETE ☐ 8. FRP COMPATIBLE W/100% METHANOL ☐ 9. FRP NON-CORRODIBLE JACKET ☐ 10. COATED STEEL ☐ 95. UNKNOWN 445 ☐ 99. OTHER

TANK INTERIOR LINING OR COATING (Check one item only)
☐ 1. RUBBER LINED ☐ 2. ALKYD LINING ☐ 3. EPOXY LINING ☐ 4. PHENOLIC LINING ☐ 5. GLASS LINING ☐ 6. UNLINED ☐ 95. UNKNOWN 446 ☐ 99. OTHER
DATE INSTALLED 447 (For local use only)

OTHER CORROSION PROTECTION IF APPLICABLE (Check one item only)
☐ 1. MANUFACTURED CATHODIC PROTECTION ☐ 2. SACRIFICIAL ANODE ☒ 3. FIBERGLASS REINFORCED PLASTIC ☐ 4. IMPRESSED CURRENT ☐ 95. UNKNOWN 448 ☐ 99. OTHER
DATE INSTALLED 449 (For local use only)

SPILL AND OVERFILL (Check all that apply)

	YEAR INSTALLED 450	TYPE (For local use only) 451
☒ 1. SPILL CONTAINMENT	1998	
☒ 2. DROP TUBE	1998	
☒ 3. STRIKER PLATE	1998	

OVERFILL PROTECTION EQUIPMENT: YEAR INSTALLED 452
☒ 1. ALARM ☒ 3. FILL TUBE SHUT OFF VALVE ☐ 2. BALL FLOAT ☐ 4. EXEMPT

IV. TANK LEAK DETECTION (A description of the monitoring program shall be submitted to the local agency.)

IF SINGLE WALL TANK (Check all that apply): 453
☐ 1. VISUAL (EXPOSED PORTION ONLY)
☐ 2. AUTOMATIC TANK GAUGING (ATG)
☐ 3. CONTINUOUS ATG
☐ 4. STATISTICAL INVENTORY RECONCILIATION (SIR) + BIENNIAL TANK TESTING
☐ 5. MANUAL TANK GAUGING (MTG)
☐ 6. VADOSE ZONE
☐ 7. GROUNDWATER
☐ 8. TANK TESTING
☐ 99. OTHER

IF DOUBLE WALL TANK OR TANK WITH BLADDER (Check one item only): 454
☐ 1. VISUAL (SINGLE WALL IN VAULT ONLY)
☒ 2. CONTINUOUS INTERSTITIAL MONITORING
☐ 3. MANUAL MONITORING

V. TANK CLOSURE INFORMATION / PERMANENT CLOSURE IN PLACE

ESTIMATED DATE LAST USED (YR/MO/DAY) 455

ESTIMATED QUANTITY OF SUBSTANCE REMAINING 456 ____ gallons

TANK FILLED WITH INERT MATERIAL? 457 ☐ Yes ☐ No

UNDERGROUND STORAGE TANKS - TANK PAGE 2

VI. PIPING CONSTRUCTION (Check all that apply)

	UNDERGROUND PIPING	ABOVEGROUND PIPING
SYSTEM TYPE	X 1 PRESSURE ☐ 2. SUCTION ☐ 3. GRAVITY	☐ 1. PRESSURE ☐ 2. SUCTION ☐ 3 GRAVITY 459
CONSTRUCTION / MANUFACTURER	☐ 1. SINGLE WALL ☐ 3. LINED TRENCH ☐ 99 OTHER X 2. DOUBLE WALL ☐ 95. UNKNOWN MANUFACTURER _____ 461	☐ 1. SINGLE WALL ☐ 95 UNKNOWN 462 ☐ 2. DOUBLE WALL ☐ 99 OTHER MANUFACTURER _____ 463
MATERIALS AND CORROSION PROTECTION	☐ 1. BARE STEEL ☐ 6. FRP COMPATIBLE W/ 100% METHANOL ☐ 2. STAINLESS STEEL ☐ 7 GALVANIZED STEEL ☐ 3 PLASTIC COMPATIBLE WITH CONTENTS ☐ 95. UNKNOWN X 4. FIBERGLASS ☐ 8. FLEXIBLE (HDPE) ☐ 99. OTHER ☐ 5 STEEL W/ COATING ☐ 9. CATHODIC PROTECTION 464	☐ 1. BARE STEEL ☐ 6. FRP COMPATIBLE W/ 100% METHANOL ☐ 2. STAINLESS STEEL ☐ 7. GALVANIZED STEEL ☐ 3 PLASTIC COMPATIBLE WITH CONTENTS ☐ 8. FLEXIBLE (HDPE) ☐ 99 OTHER ☐ 4. FIBERGLASS ☐ 9. CATHODIC PROTECTION ☐ 5. STEEL W/ COATING ☐ 95. UNKNOWN 465

VII. PIPING LEAK DETECTION (Check all that apply) (A description of the monitoring program shall be submitted to the local agency.)

UNDERGROUND PIPING

SINGLE WALL PIPING 466

PRESSURIZED PIPING (Check all that apply):

☐ 1 ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS

☐ 2 MONTHLY 0.2 GPH TEST

☐ 3 ANNUAL INTEGRITY TEST (0 1 GPH)

CONVENTIONAL SUCTION SYSTEMS:

☐ 5 DAILY VISUAL MONITORING OF PUMPING SYSTEM + TRIENNIAL PIPING INTEGRITY TEST (0 1 GPH)

SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING)

☐ 7 SELF MONITORING

GRAVITY FLOW:

☐ 9 BIENNIAL INTEGRITY TEST (0 1 GPH)

SECONDARILY CONTAINED PIPING

PRESSURIZED PIPING (Check all that apply).

10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one)
   - ☐ a AUTO PUMP SHUT OFF WHEN A LEAK OCCURS
   - X b AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION
   - ☐ c NO AUTO PUMP SHUT OFF

X 11 AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITH FLOW SHUT OFF OR RESTRICTION

X 12 ANNUAL INTEGRITY TEST (0.1 GPH)

SUCTION/GRAVITY SYSTEM:

☐ 13 CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS

EMERGENCY GENERATORS ONLY (Check all that apply)

☐ 14 CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF + AUDIBLE AND VISUAL ALARMS

☐ 15 AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITHOUT FLOW SHUT OFF OR RESTRICTION

☐ 16 ANNUAL INTEGRITY TEST (0.1 GPH)

☐ 17. DAILY VISUAL CHECK

ABOVEGROUND PIPING

SINGLE WALL PIPING 467

PRESSURIZED PIPING (Check all that apply):

☐ 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS

☐ 2. MONTHLY 0.2 GPH TEST

☐ 3 ANNUAL INTEGRITY TEST (0 1 GPH)

☐ 4. DAILY VISUAL CHECK

CONVENTIONAL SUCTION SYSTEMS (Check all that apply):

☐ 5 DAILY VISUAL MONITORING OF PIPING AND PUMPING SYSTEM

☐ 6. TRIENNIAL INTEGRITY TEST (0.1 GPH)

SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING):

☐ 7. SELF MONITORING

GRAVITY FLOW (Check all that apply):

☐ 8 DAILY VISUAL MONITORING

☐ 9 BIENNIAL INTEGRITY TEST (0.1 GPH)

SECONDARILY CONTAINED PIPING

PRESSURIZED PIPING (Check all that apply).

10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (check one)
   - ☐ a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS
   - ☐ b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION
   - ☐ c. NO AUTO PUMP SHUT OFF

☐ 11. AUTOMATIC LEAK DETECTOR

☐ 12. ANNUAL INTEGRITY TEST (0.1 GPH)

SUCTION/GRAVITY SYSTEM:

☐ 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS

EMERGENCY GENERATORS ONLY (Check all that apply)

☐ 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF + AUDIBLE AND VISUAL ALARMS

☐ 15 AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST)

☐ 16. ANNUAL INTEGRITY TEST (0.1 GPH)

☐ 17. DAILY VISUAL CHECK

VIII. DISPENSER CONTAINMENT

DISPENSER CONTAINMENT ☐ 1 FLOAT MECHANISM THAT SHUTS OFF SHEAR VALVE ☐ 4. DAILY VISUAL CHECK

DATE INSTALLED 468 ☐ 2. CONTINUOUS DISPENSER PAN SENSOR + AUDIBLE AND VISUAL ALARMS ☐ 5. TRENCH LINER / MONITORING

1998 X 3. CONTINUOUS DISPENSER PAN SENSOR WITH AUTO SHUT OFF FOR DISPENSER + AUDIBLE AND VISUAL ALARMS ☐ 6 NONE 469

IX. OWNER/OPERATOR SIGNATURE

I certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF OWNER/OPERATOR	DATE 470
Bruce T. Marubashi	11/17/03
NAME OF OWNER/OPERATOR (print) 471	TITLE OF OWNER/OPERATOR 472
Bruce T. Marubashi for Shell Oil Products	HSE Permit Analyst 925-766-3498

Permit Number (For local use only) 473	Permit Approved (For local use only) 474	Permit Expiration Date (For local use only) 475

UNIFIED PROGRAM CONSOLIDATED FORM

TANKS

UNDERGROUND STORAGE TANKS - TANK PAGE 1

(two pages per tank)

TYPE OF ACTION *(Check one item only)* Γ 1. NEW SITE PERMIT Γ 2. New Format Γ 3. RENEWAL PERMIT Γ 4. AMENDED PERMIT *(Specify reason - for local use only)* X 5. CHANGE OF INFORMATION) *(Specify change - for local use only)* Γ 6. TEMPORARY SITE CLOSURE Γ 7. PERMANENTLY CLOSED ON SITE Γ 8. TANK REMOVED 430

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3: Grapevine Shell

FACILITY ID # 1

LOCATION WITHIN SITE *(Optional)*431: 9069 Grapevine Rd, Lebec. CA 93243

I. TANK DESCRIPTION *(A scaled plot plan with the location of the UST system including buildings and landmarks shall be submitted to the local agency.)*

TANK ID # 432	TANK MANUFACTURER 433	COMPARTMENTALIZED TANK Γ Yes X No 434
121190- Waste Oil	Owens Corning	If AYes≡, complete one page for each compartment.
DATE INSTALLED (YEAR/MO) 435	TANK CAPACITY IN GALLONS 436	NUMBER OF COMPARTMENTS 437
UNK	550	One

ADDITIONAL DESCRIPTION *(For local use only)* 438

II. TANK CONTENTS

TANK USE 439
Γ 1. MOTOR VEHICLE FUEL *(If marked, complete Petroleum Type)*
Γ 2. NON-FUEL PETROLEUM
Γ 3. CHEMICAL PRODUCT
X 4. HAZARDOUS WASTE *(Includes Used Oil)*
Γ 95. UNKNOWN

PETROLEUM TYPE 440
Γ 1a. REGULAR UNLEADED
Γ 1b. PREMIUM UNLEADED
Γ 1c. MIDGRADE UNLEADED
Γ 2. LEADED
Γ 3. DIESEL
Γ 4. GASOHOL
Γ 5. JET FUEL
Γ 6. AVIATION FUEL
Γ 99. OTHER _____

COMMON NAME *(from Hazardous Materials Inventory page)* 441: USED OIL

CAS # *(from Hazardous Materials Inventory page)* 442

III. TANK CONSTRUCTION

TYPE OF TANK *(Check one item only)*
Γ 1. SINGLE WALL
X 2. DOUBLE WALL
Γ 3. SINGLE WALL WITH EXTERIOR MEMBRANE LINER
Γ 4. SINGLE WALL IN A VAULT
Γ 5. SINGLE WALL WITH INTERNAL BLADDER SYSTEM 443
Γ 95. UNKNOWN
Γ 99. OTHER _____

TANK MATERIAL - primary tank *(Check one item only)*
Γ 1. BARE STEEL
Γ 2. STAINLESS STEEL
X 3. FIBERGLASS / PLASTIC
Γ 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP)
Γ 5. CONCRETE
Γ 8. FRP COMPATIBLE W/100% METHANOL
Γ 95. UNKNOWN 444
Γ 99. OTHER _____

TANK MATERIAL - secondary tank *(Check one item only)*
Γ 1. BARE STEEL
Γ 2. STAINLESS STEEL
X 3. FIBERGLASS / PLASTIC
Γ 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP)
Γ 5. CONCRETE
Γ 8. FRP COMPATIBLE W/100% METHANOL
Γ 9. FRP NON-CORRODIBLE JACKET
Γ 10. COATED STEEL
Γ 95. UNKNOWN 445
Γ 99. OTHER _____

TANK INTERIOR LINING OR COATING *(Check one item only)*
Γ 1. RUBBER LINED
Γ 2. ALKYD LINING
Γ 3. EPOXY LINING
Γ 4. PHENOLIC LINING
Γ 5. GLASS LINING
X 6. UNLINED
Γ 95. UNKNOWN446
Γ 99. OTHER _____
DATE INSTALLED 447 _____ *(For local use only)*

OTHER CORROSION PROTECTION IF APPLICABLE *(Check one item only)*
Γ 1. MANUFACTURED CATHODIC PROTECTION
Γ 2. SACRIFICIAL ANODE
X 3. FIBERGLASS REINFORCED PLASTIC
Γ 4. IMPRESSED CURRENT
Γ 95. UNKNOWN 448
Γ 99. OTHER _____
DATE INSTALLED 449 _____ *(For local use only)*

SPILL AND OVERFILL *(Check all that apply)*

	YEAR INSTALLED 450	TYPE *(For local use only)*451
X 1. SPILL CONTAINMENT		
Γ 2. DROP TUBE		
X 3. STRIKER PLATE		

OVERFILL PROTECTION EQUIPMENT: YEAR INSTALLED 452
Γ 1. ALARM _____
X 2. BALL FLOAT _____
Γ 3. FILL TUBE SHUT OFF VALVE _____
Γ 4. EXEMPT

IV. TANK LEAK DETECTION *(A description of the monitoring program shall be submitted to the local agency.)*

IF SINGLE WALL TANK *(Check all that apply)*: 453
Γ 1. VISUAL (EXPOSED PORTION ONLY)
X 2. AUTOMATIC TANK GAUGING (ATG)
Γ 3. CONTINUOUS ATG
Γ 4. STATISTICAL INVENTORY RECONCILIATION (SIR) + BIENNIAL TANK TESTING
Γ 5. MANUAL TANK GAUGING (MTG)
Γ 6. VADOSE ZONE
Γ 7. GROUNDWATER
Γ 8. TANK TESTING
Γ 99. OTHER _____

IF DOUBLE WALL TANK OR TANK WITH BLADDER *(Check one item only)*: 454
Γ 1. VISUAL (SINGLE WALL IN VAULT ONLY)
X 2. CONTINUOUS INTERSTITIAL MONITORING
Γ 3. MANUAL MONITORING

V. TANK CLOSURE INFORMATION / PERMANENT CLOSURE IN PLACE

ESTIMATED DATE LAST USED (YR/MO/DAY) 455	ESTIMATED QUANTITY OF SUBSTANCE REMAINING 456	TANK FILLED WITH INERT MATERIAL? 457
_____	_____ gallons	Γ Yes Γ No

UNDERGROUND STORAGE TANKS - TANK PAGE 2

VI. PIPING CONSTRUCTION *(Check all that apply)*

	UNDERGROUND PIPING *[Not Applicable, no remote fill piping]*	ABOVEGROUND PIPING
SYSTEM TYPE	Γ 1. PRESSURE Γ 2. SUCTION Γ 3. GRAVITY	Γ 1. PRESSURE Γ 2. SUCTION Γ 3. GRAVITY 459
CONSTRUCTION / MANUFACTURER	Γ 1. SINGLE WALL Γ 3. LINED TRENCH Γ 99. OTHER Γ 2. DOUBLE WALL Γ 95. UNKNOWN MANUFACTURER _____ 461	Γ 1. SINGLE WALL Γ 95. UNKNOWN 462 Γ 2. DOUBLE WALL Γ 99. OTHER MANUFACTURER _____ 463
MATERIALS AND CORROSION PROTECTION	Γ 1. BARE STEEL Γ 6. FRP COMPATIBLE W/ 100% METHANOL Γ 2. STAINLESS STEEL Γ 7. GALVANIZED STEEL Γ 3. PLASTIC COMPATIBLE WITH CONTENTS Γ 95. UNKNOWN Γ 4. FIBERGLASS Γ 8. FLEXIBLE (HDPE) Γ 99. OTHER Γ 5. STEEL W/ COATING Γ 9. CATHODIC PROTECTION 464	Γ 1. BARE STEEL Γ 6. FRP COMPATIBLE W/ 100% METHANOL Γ 2. STAINLESS STEEL Γ 7. GALVANIZED STEEL Γ 3. PLASTIC COMPATIBLE WITH CONTENTS Γ 8. FLEXIBLE (HDPE) Γ 99. OTHER Γ 4. FIBERGLASS Γ 9. CATHODIC PROTECTION Γ 5. STEEL W/ COATING Γ 95. UNKNOWN 465

VII. PIPING LEAK DETECTION *(Check all that apply) (A description of the monitoring program shall be submitted to the local agency.)*

UNDERGROUND PIPING

SINGLE WALL PIPING 466

PRESSURIZED PIPING *(Check all that apply):*

Γ 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS

Γ 2. MONTHLY 0.2 GPH TEST

Γ 3. ANNUAL INTEGRITY TEST (0.1 GPH)

CONVENTIONAL SUCTION SYSTEMS:

Γ 5. DAILY VISUAL MONITORING OF PUMPING SYSTEM + TRIENNIAL PIPING INTEGRITY TEST (0.1 GPH)

SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING):

Γ 7. SELF MONITORING

GRAVITY FLOW:

Γ 9. BIENNIAL INTEGRITY TEST (0.1 GPH)

SECONDARILY CONTAINED PIPING

PRESSURIZED PIPING *(Check all that apply):*

10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one)
   - Γ a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS
   - Γ b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION
   - Γ c. NO AUTO PUMP SHUT OFF

Γ 11. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITH FLOW SHUT OFF OR RESTRICTION

Γ 12. ANNUAL INTEGRITY TEST (0.1 GPH)

SUCTION/GRAVITY SYSTEM:

Γ 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS

EMERGENCY GENERATORS ONLY *(Check all that apply)*

Γ 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF + AUDIBLE AND VISUAL ALARMS

Γ 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITHOUT FLOW SHUT OFF OR RESTRICTION

Γ 16. ANNUAL INTEGRITY TEST (0.1 GPH)

Γ 17. DAILY VISUAL CHECK

ABOVEGROUND PIPING

SINGLE WALL PIPING 467

PRESSURIZED PIPING *(Check all that apply):*

Γ 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS

Γ 2. MONTHLY 0.2 GPH TEST

Γ 3. ANNUAL INTEGRITY TEST (0.1 GPH)

Γ 4. DAILY VISUAL CHECK

CONVENTIONAL SUCTION SYSTEMS *(Check all that apply):*

Γ 5. DAILY VISUAL MONITORING OF PIPING AND PUMPING SYSTEM

Γ 6. TRIENNIAL INTEGRITY TEST (0.1 GPH)

SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING):

Γ 7. SELF MONITORING

GRAVITY FLOW *(Check all that apply):*

Γ 8. DAILY VISUAL MONITORING

Γ 9. BIENNIAL INTEGRITY TEST (O.1 GPH)

SECONDARILY CONTAINED PIPING

PRESSURIZED PIPING *(Check all that apply):*

10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (check one)
   - Γ a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS
   - Γ b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION
   - Γ c. NO AUTO PUMP SHUT OFF

Γ 11. AUTOMATIC LEAK DETECTOR

Γ 12. ANNUAL INTEGRITY TEST (0.1 GPH)

SUCTION/GRAVITY SYSTEM:

Γ 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS

EMERGENCY GENERATORS ONLY *(Check all that apply)*

Γ 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF + AUDIBLE AND VISUAL ALARMS

Γ 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST)

Γ 16. ANNUAL INTEGRITY TEST (0.1 GPH)

Γ 17. DAILY VISUAL CHECK

VIII. DISPENSER CONTAINMENT

DISPENSER CONTAINMENT Γ 1. FLOAT MECHANISM THAT SHUTS OFF SHEAR VALVE Γ 4. DAILY VISUAL CHECK

DATE INSTALLED 468 Γ 2. CONTINUOUS DISPENSER PAN SENSOR + AUDIBLE AND VISUAL ALARMS Γ 5. TRENCH LINER / MONITORING

_____ Γ 3. CONTINUOUS DISPENSER PAN SENSOR WITH AUTO SHUT OFF FOR DISPENSER + AUDIBLE AND VISUAL ALARMS Γ 6. NONE 469

IX. OWNER/OPERATOR SIGNATURE

I certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF OWNER/OPERATOR	DATE 470
	11/17/03
NAME OF OWNER/OPERATOR *(print)* 471	TITLE OF OWNER/OPERATOR 472
Bruce T. Marubashi for Shell Oil Products	**HSE Permit Analyst (925) 766-3498**

Permit Number *(For local use only)* 473	Permit Approved *(For local use only)* 474	Permit Expiration Date *(For local use only)* 475

35
330038

RECEIVED
MAY 12 2003

EQUILON
ENTERPRISES LLC
Shell & Texaco Working Together

3468 Claremont Avenue
Modesto, CA 95350

May 3, 2003

Steve McCalley
County of Kern – Enviro Health Services
2700 "M" Street, Suite 300
Bakersfield, CA 93301-2370

Subject: **UST Form A & B's; Monitor & Emergency Response plan.**
Texaco, 9069 Grapevine Rd, Lebec

Please find enclosed subject. This material was also mailed to the facility for insertion to their S,H&E Blue Book, tab HMMP.

Please call me at 925-766-3498, fax 209-577-5964 or e-mail (btmarubashi@shellopus.com), if you have any questions regarding the documents enclosed. Please note that Equilon Enterprises LLC, transferred the Kern County Texaco and Shell branded franchise facilities to the Northwest Region in early 2002 from the Pacific South Region. Unfortunately facility files are missing numerous documents. In the interim, if there are any issues related to renewals or payments of annual fees, permits, annual testing or hmmps etc, you candirect them to me or Tim Woodson, Equilon's facility Compliance Coordinator (925-766-3494).

Sincerely,

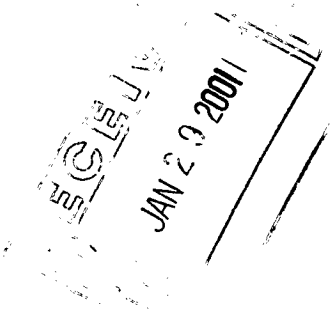
Bruce T. Marubashi
H,S&E Analyst
Equilon Enterprises LLC
Northwest Region

Enclosures:

CC: File

form A&B dlr ag Equilon.doc

EQUIVA
SERVICES LLC
Shell, Texaco & Saudi Aramco Working Together



January 22, 2001

County of Kern
Environmental Health Services Department
Attn: Laurel Funk
2700 "M" Street, Suite 300
Bakersfield, CA 93301-2370

Re: Grapevine Texaco #121190
9069 Grapevine @ I-5
Lebec, CA 93243

CUPA Forms (former State Forms A&B) – Corrections

Dear Laurel:

Thank you for calling our oversight to my attention. Somehow we failed to note from our data base that there are in fact 2 unleaded gasoline tanks (1-12, 1-10).

Enclosed is a Facility form (page 8) corrected to show 6 tanks; an additional Tank Page 1 (page 10) to list the 10,000 RUL plus Tank Page 2 (page 12) with piping information; and, lastly, a corrected Tank Page 1 (page 10) to correct an error on the tank capacity for used oil which should have read 550 gallons.

We apologize for any inconvenience.

Please don't hesitate to call me if I can be of any further assistance.

Sincerely,

Feryal Sarrafian
SH&E Compliance Coordinator

Enclosures:

PO BOX 7869
BURBANK, CA 91510-7869

JAN 16 2001

EQUIVA
SERVICES LLC
Shell, Texaco & Saudi Aramco Working Together

January 9, 2001

Kern County Environmental Health
Attn: Underground Storage Tank Division
2700 M. Street #300
Bakersfield, CA 93301

Re: Shell/Texaco Stations
UST Forms (Formerly State Forms A&B)
Updates to New Forms

Gentlemen:

Recent upgrading of equipment and other information at some of our locations in your jurisdiction has prompted a review of our files. Where necessary, we have updated UST information on the new forms.

Please replace the old State Forms A&B now in your files with those attached.

Should you have any questions regarding the enclosed material, please contact me at (818) 736-5078.

Thank you.

Sincerely,

Feryal Sarrafian

Feryal Sarrafian
SH&E Compliance Coordinator

Enclosures: (see next page for a list of stations included)

Grapevine Texaco
9069 Grapevine/I-5

PO BOX 7869
BURBANK, CA 91510-7869

KERN COUNTY

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT
2700 "M" STREET, SUITE 300, BAKERSFIELD, CA. 93301
(805)861-3636

UNDERGROUND HAZARDOUS SUBSTANCE STORAGE FACILITY
* INSPECTION REPORT *

PERMIT# 330035C TIME IN 2:20 TIME OUT 2:40 NUMBER OF TANKS: 6
PERMIT POSTED? YES X NO INSPECTION DATE: 4-29-94
TYPE OF INSPECTION: ROUTINE X REINSPECTION COMPLAINT

FACILITY NAME: TEXACO REFINING & MARKETING, INC.
FACILITY ADDRESS: GRAPEVINE & I-5
LEBEC, CA
OWNERS NAME: TEXACO REFINING & MARKETING, INC.
OPERATORS NAME: BEAGLEY, S
COMMENTS:

ITEM	VIOLATIONS/OBSERVATIONS
1. PRIMARY CONTAINMENT MONITORING: a. Intercepting an directing system b. Standard Inventory Control c. Modified Inventory Control (d.) In-tank Level Sensing Device e. Groundwater Monitoring f. Vadose Zone Monitoring	USE VEEDER-ROOT TLS-350 IN TANK SENSOR, RLW EQUIPT. CHECKS ALARM SYSTEM TWICE EACH YEAR (AT TIME CHANGES)
2. SECONDARY CONTAINMENT MONITORING: a. Liner (b.) Double-Walled tank c. Vault	DOUBLE WALLED FIBERGLASS TANKS VEEDER-ROOT TLS-350 MONITORING
3. PIPING MONITORING: (a.) Pressurized b. Suction c. Gravity	VEEDER-ROOT TLS-350 MONITORING
4. OVERFILL PROTECTION:	RAIN WATER IN OVERFILLS; DETERIORATED GASKETS TO TANK OVERFILL AND VAPOR LIDS (POMECO OVERFILL BOX 111-L)
5. TIGHTNESS TESTING	DON'T KNOW LAST TEST
6. NEW CONSTRUCTION/MODIFICATIONS	NONE
7. CLOSURE/ABANDONMENT	NONE
8. UNAUTHORIZED RELEASE	UNKNOWN
9. MAINTENANCE, GENERAL SAFETY, AND OPERATING CONDITION OF FACILITY	

COMMENTS/RECOMMENDATIONS

REINSPECTION SCHEDULED? yes X no APPROXIMATE REINSPECTION DATE:
INSPECTOR: Karen Sanford REPORT RECEIVED BY:

FRN COUNTY

ENVIRONME HEALTH SERVICES DEPARTM
2700 "M" STREET, SUITE 300, BAKERSFIELD, CA 93301
(805)861-3635

UNDERGROUND HAZARDOUS SUBSTANCE STORAGE FACILITY
* INSPECTION REPORT *

PERMIT# 3300350 TIME IN TIME OUT 2 NUMBER OF TANKS: 5
PERMIT POSTED? YES NO INSPECTION DATE:
TYPE OF INSPECTION: ROUTINE INSPECTION COMPLAINT

FACILITY NAME: TEXACO REFINING & MARKETING, INC.
FACILITY ADDRESS: GRAPEVINE & I-5
LEBEC, CA
OWNERS NAME: TEXACO REFINING & MARKETING, INC.
OPERATORS NAME: HEAGLEY, S
COMMENTS:

ITEM	VIOLATIONS/OBSERVATIONS
1. PRIMARY CONTAINMENT MONITORING:	
a. Interesting an alarming system	
b. Standard Inventory Control	
c. Modified Inventory Control	
d. In-tank Level Sensing Device	
e. Groundwater Monitoring	
f. Vacuum Zone Monitoring	
2. SECONDARY CONTAINMENT MONITORING:	
a. Liner	
b. Double Wallen tank	
c. Vault	
3. PIPING MONITORING:	
a. Pressurized	
b. Suction	
c. Gravity	
4. OVERFILL PROTECTION:	
5. TIGHTNESS TESTING:	
6. NEW CONSTRUCTION/MODIFICATIONS	
7. CLOSURE/ABANDONMENT	
8. UNAUTHORIZED RELEASE	
9. MAINTENANCE, GENERAL SAFETY AND OPERATING CONDITION OF FACILITY	

COMMENTS/RECOMMENDATIONS

[illegible] SCHEDULE [illegible] ATTACHMENT REINSPECTION DATE
[illegible] REPORT RECEIVED BY

State of California
State Water Resources Control Board

For Regulatory Agency Use Only

330035

CERTIFICATION OF FINANCIAL RESPONSIBILITY

FOR UNDERGROUND STORAGE TANKS CONTAINING PETROLEUM

A. I am required to demonstrate Financial Responsibility in the required amounts as specified in Section 2807, Chapter 18, Div. 3, Title 23, CCR:

[ ] 500,000 dollars per occurrence
or
[X] 1 million dollars per occurrence

AND

[ ] 1 million dollars annual aggregate
or
[X] 2 million dollars annual aggregate

B. TEXACO REFINING AND MARKETING INC. *hereby certifies that it is in compliance with the requirements of Section 2807,*
(Name of Tank Owner or Operator)
Article 3, Chapter 18, Division 3, Title 23, California Code of Regulations.
The mechanisms used to demonstrate financial responsibility as required by Section 2807 are as follows:

C. Mechanism Type	Name and Address of Issuer	Mechanism Number	Coverage Amount	Coverage Period	Corrective Action	Third Pa Comp
Chief Financial Officer Letter	Texaco Inc. 2000 Westchester Ave. White Plains, N.Y. 10650			renewed annually		
		6				

Note: If you are using the State Fund as any part of your demonstration of financial responsibility, your execution and submission of this certification also certifies that you are in compliance with all conditions for participation in the Fund.

D.

Facility Name	Facility Address
Texaco Food Mart #0225 permit # 050021C	5300 Olive Drive Bakersfield, 93308
Texaco Food Mart #0260 permit # 050034C	6439 Rosedale Hwy. Bakersfield, 93307
Grapevine Texaco permit # 330035C	9069 Grapevine @ I-5 Lebec, 93243
TEXACO REFINING AND MARKETING INC.	F.G. LONG EH+S Specialist

Signature of Tank Owner or Operator: F.G. Long — Date: 3/12/94

Name and Title of Tank Owner or Operator: TEXACO REFINING AND MARKETING INC.

Signature of Witness or Notary — Date

Name of Witness or Notary

CFR(04/92)

FILE: Original – Local Agency Copies – Facility/Site(s)

KERN COUNTY RESOURCE MANAGEMENT AGENCY

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT
2700 "M" STREET, SUITE 300, BAKERSFIELD, CA 93301
(805)861-3636

UNDERGROUND HAZARDOUS SUBSTANCE STORAGE FACILITY
* INSPECTION REPORT *

PERMIT# 330035C TIME IN 1:15 TIME OUT 2:15 NUMBER OF TANKS: 6
PERMIT POSTED? YES ____ NO X INSPECTION DATE: 10/7/92
TYPE OF INSPECTION: ROUTINE X REINSPECTION ____ COMPLAINT ____

FACILITY NAME: TEXACO REFINING & MARKETING, INC.
FACILITY ADDRESS: GRAPEVINE & I-5 (805) 322-4774
LEBEC, CA
OWNERS NAME: TEXACO REFINING & MARKETING, INC.
OPERATORS NAME: BEAGLEY, S
COMMENTS: 818-505-2483
no permit on site - must ~~800-283-9638~~
get copy on site Fred LONG. 2483

ITEM	VIOLATIONS/OBSERVATIONS
1. PRIMARY CONTAINMENT MONITORING: a. Intercepting an directing system b. Standard Inventory Control c. Modified Inventory Control (d.) In-tank Level Sensing Device e. Groundwater Monitoring f. Vadose Zone Monitoring	V/R TLS 350 TLM
2. SECONDARY CONTAINMENT MONITORING: a. Liner (b.) Double-Walled tank c. Vault	Electronic monitoring system inspected by maintenance company 6/92. Alarm response plan on file
3. PIPING MONITORING: (a.) Pressurized b. Suction c. Gravity	Red Jacket LINE LEAK Detectors, checked 6/92 no records of pipeline tightness test. unknown if system has positive shut down. Pipeline test req'd if no shutdown.
4. OVERFILL PROTECTION:	Product-tight overspill boxes installed
5. TIGHTNESS TESTING	no records in 1992. Testing not required
6. NEW CONSTRUCTION/MODIFICATIONS	Tanks installed 12/91.
7. CLOSURE/ABANDONMENT	NO plans
8. UNAUTHORIZED RELEASE	No evidence
9. MAINTENANCE, GENERAL SAFETY, AND OPERATING CONDITION OF FACILITY	O.K.

COMMENTS/RECOMMENDATIONS Spoke w/ Fred Long of Texaco, he will send letter stating whether or not this facility has positive shut-off, & arrange for pipeline pressure test if needed
CF 10/8

REINSPECTION SCHEDULED? yes X no APPROXIMATE REINSPECTION DATE:
INSPECTOR: [signature] REPORT RECEIVED BY: [signature]

KERN COUNTY RESOURCE MANAGEMENT AGENCY

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT
2700 "M" STREET, SUITE 300, BAKERSFIELD, CA 93301
(805)861-3636

UNDERGROUND HAZARDOUS SUBSTANCE STORAGE FACILITY
* INSPECTION REPORT *

PERMIT# 330035C TIME IN 2:00p TIME OUT _____ NUMBER OF TANKS: 5
PERMIT POSTED? YES _____ NO X
TYPE OF ~~INSPECTION~~: ROUTINE X REINSPECTION _____ COMPLAINT _____

FACILITY NAME: TEXACO REFINING & MARKETING, INC.
FACILITY ADDRESS: GRAPEVINE & I-5
LEBEC, CA
OWNERS NAME: TEXACO REFINING & MARKETING, INC
OPERATORS NAME: BEAGLEY, S
COMMENTS:

ITEM	VIOLATIONS/OBSERVATIONS
1. PRIMARY CONTAINMENT MONITORING: a. Intercepting an directing system b. Standard Inventory Control c. Modified Inventory Control (d) In-tank Level Sensing Device e. Groundwater Monitoring f. Vadose Zone Monitoring	Keeping inventory records
2. SECONDARY CONTAINMENT MONITORING: a. Liner (b) Double-Walled tank c. Vault	Leak alert turned off - manager turned on O.K. instructed to monitor system weekley
3. PIPING MONITORING: (a) Pressurized b. Suction c. Gravity	Check line leak detector for compliance.
4. OVERFILL PROTECTION:	dirty need to clean out reinspection after 2 weeks
5. TIGHTNESS TESING	unknown
6. NEW CONSTRUCTION/MODIFICATIONS	None
7. CLOSURE/ABANDONMENT	None
8. UNAUTHORIZED RELEASE	unknown
9. MAINTENANCE, GENERAL SAFETY, AND OPERATING CONDITION OF FACILITY	

COMMENTS/RECOMMENDATIONS

REINSPECTION SCHEDULED? X yes no APPROXIMATE REINSPECTION DATE: 2 weeks
INSPECTOR: Laurel Funk REPORT RECEIVED BY: [signature]

KERN COUNTY AIR POLLUTION CONTROL DISTRICT

2700 "M" Street, Suite 275

Bakersfield, CA. 93301

(805) 861-3682

PHASE I VAPOR RECOVERY INSPECTION FORM

Station Name Texaco Location I-5 @ Grapevine P/O # 8004010-072

Company Mailing Address 9069 Grapevine Rd West City Lebec

Date 4-25-91 Phone 322-4774 System Type: Sep. Riser / Coaxial

Inspector Laurel Funk Notice Rec'd By [signature]

		TANK #1	TANK #2	TANK #3	TANK #4
1.	PRODUCT (UL, PUL, P, or R)	UL	R	PUL	
2.	TANK LOCATION REFERENCE	West	middle	EAST	
3.	BROKEN OR MISSING VAPOR CAP				
4.	BROKEN OR MISSING FILL CAP				
5.	BROKEN CAM LOCK ON VAPOR CAP		|		
6.	FILL CAPS NOT PROPERLY SEATED				
7.	VAPOR CAPS NOT PROPERLY SEATED				
8.	GASKET MISSING FROM FILL CAP				
9.	GASKET MISSING FROM VAPOR CAP				
10.	FILL ADAPTOR NOT TIGHT				
11.	VAPOR ADAPTOR NOT TIGHT		✓		
12.	GASKET BETWEEN ADAPTOR & FILL TUBE MISSING / IMPROPERLY SEATED				
13.	DRY BREAK GASKETS DETERIORATED				
14.	EXCESSIVE VERTICAL PLAY IN COAXIAL FILL TUBE				
15.	COAXIAL FILL TUBE SPRING MECHANISM DEFECTIVE				
16.	TANK DEPTH MEASUREMENT	189"	189"	187"	
17.	TUBE LENGTH MEASUREMENT	185½"	185"	182"	
18.	DIFFERENCE (SHOULD BE 6" OR LESS)	3½"	4"	5"	
19.	OTHER				
20.	COMMENTS:				

☆ **WARNING:** SYSTEMS MARKED WITH A CHECK ABOVE ARE IN VIOLATION OF KERN COUNTY AIR POLLUTION CONTROL DISTRICT RULE(S) 209, 412 AND/OR 412.1. THE CALIFORNIA HEALTH & SAFETY CODE SPECIFIES PENALTIES OF UP TO $1,000.00 PER DAY FOR EACH VIOLATION. TELEPHONE (805) 861-3682 CONCERNING FINAL RESOLUTION OF THE VIOLATION(S) ☆☆☆☆

APCD FILE

9149-1010

KERN COUNTY AIR POLLUTION CONTROL DISTRICT

2700 "M" Street, Suite 275

Bakersfield, CA. 93301

(805) 861-3682

PHASE II VAPOR RECOVERY INSPECTION FORM

Station Location I5 & Grapevine P/O # 8004010-012

Company Address 9069 Grapevine Rd West City Lebec Zip 93243

Contact Guy Beagley Phone 3224774 System Type: ~~BA~~ RJ ~~HI~~ ~~HE~~ GH ~~HA~~

Inspector Laurel Hunk Date 4-25-91 Notice Rec'd By

NOZZLE #	3	4	5	6	7	8	9	10	13	14	15	16	17	18	19	20
GAS GRADE	UL	UL	R	R	PUL	PUL	UL	UL	UL	UL	R	R	PUL	PUL	UL	UL
NOZZLE TYPE	RA 3003															

NOZZLE	1. CERT. NOZZLE																
	2. CHECK VALVE																
	3. FACE SEAL																
	4. RING, RIVET																
	5. BELLOWS																
	6. SWIVEL(S)																
	7. FLOW LIMITER (EW)																
VAPOR HOSE	1. HOSE CONDITION																
	2. LENGTH	L															
	3. CONFIGURATION																
	4. SWIVEL																
	5. OVERHEAD RETRACTOR																
	6. POWER/PILOT ON																
	7. SIGNS POSTED													M			

Key to system types:
BA=Balance HE=Healey
RJ=Red Jacket GH=Gulf Hasselmann
HI=Hirt HA=Hasstech

Key to deficiencies: NC= not certified, B= broken
M= missing, TO= torn, F= flat, TN= tangled
AD= needs adjustment, L= long, LO= loose,
S= short MA= misaligned, K= kinked, FR= frayed.

** INSPECTION RESULTS **																	
	+													7		-	

Key to inspection results: Blank= OK, 7= Repair within seven days, T= Tagged (nozzle tagged out-of-order until repaired)
U= Taggable violation but left in use.

COMMENTS: Pumps 1, 2, ~~3, 4~~ 11 & 12 are diesel

VIOLATIONS: SYSTEMS MARKED WITH A "T OR U" CODE IN INSPECTION RESULTS, ARE IN VIOLATION OF KERN COUNTY AIR POLLUTION CONTROL DISTRICT RULE(S) 412 AND/OR 412.1. THE CALIFORNIA HEALTH & SAFETY CODE SPECIFIES PENALTIES OF UP TO $1,000.00 PER DAY FOR EACH DAY OF VIOLATION. TELEPHONE (805) 861-3682 CONCERNING FINAL RESOLUTION OF THE VIOLATION.

NOTE: CALIFORNIA HEALTH & SAFETY CODE SECTION 41960.2, REQUIRES THAT THE ABOVE LISTED 7-DAY DEFICIENCIES BE CORRECTED WITHIN 7 DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION

9149-1015

APCD FILE

KERN COUNTY AIR POLLUTION CONTROL DISTRICT

2700 "M" Street, Suite 275

Bakersfield, CA. 93301

(805) 861-3682

PHASE II VAPOR RECOVERY INSPECTION FORM

Page 2

Station Location _____ P/O # _____

Company Address _____ City _____ Zip _____

Contact _____ Phone _____ System Type: BA RJ HI HE GH HA

Inspector _____ Date _____ Notice Rec'd By _____

NOZZLE #	21	22														
GAS GRADE	R	R														
NOZZLE TYPE	RA 3003	—														
NOZZLE 1. CERT. NOZZLE																
NOZZLE 2. CHECK VALVE																
NOZZLE 3. FACE SEAL																
NOZZLE 4. RING, RIVET																
NOZZLE 5. BELLOWS																
NOZZLE 6. SWIVEL(S)																
NOZZLE 7. FLOW LIMITER (EW)																
VAPOR HOSE 1. HOSE CONDITION																
VAPOR HOSE 2. LENGTH																
VAPOR HOSE 3. CONFIGURATION																
VAPOR HOSE 4. SWIVEL																
VAPOR HOSE 5. OVERHEAD RETRACTOR																
VAPOR HOSE 6. POWER/PILOT ON																
VAPOR HOSE 7. SIGNS POSTED																

Key to system types:
BA=Balance HE=Healey
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** INSPECTION RESULTS **

															—

Key to inspection results: Blank= OK, 7= Repair within seven days, T= Tagged (nozzle tagged out-of-order until repaired)
U= Taggable violation but left in use.

COMMENTS: _____

VIOLATIONS: SYSTEMS MARKED WITH A "T OR U" CODE IN INSPECTION RESULTS, ARE IN VIOLATION OF KERN COUNTY AIR POLLUTION CONTROL DISTRICT RULE(S) 412 AND/OR 412.1. THE CALIFORNIA HEALTH & SAFETY CODE SPECIFIES PENALTIES OF UP TO $1,000.00 PER DAY FOR EACH DAY OF VIOLATION. TELEPHONE (805) 861-3682 CONCERNING FINAL RESOLUTION OF THE VIOLATION.

NOTE: CALIFORNIA HEALTH & SAFETY CODE SECTION 41960.2, REQUIRES THAT THE ABOVE LISTED 7-DAY DEFICIENCIES BE CORRECTED WITHIN 7 DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION

9149-1015

APCD FILE

Tag Number _____ Date 4-25-91 Time 3:15P

Station Name Texaco

Operator's Name Steve Bragly

Station Address 9069 Grapevine Rd West

Major Cross Street I-5

Telephone No (805) 322-4774

Inspector Laurel Funk

Defect Hose too long

Totalizer Reading When Tagged _____

WARNING

Use of this device is prohibited by state law and unauthorized removal of this tag or use of this equipment will constitute a violation of the law punishable by a maximum civil fine of $1,000 per day or a maximum criminal fine of $500 per day and/or six months in jail.

I declare under penalty of perjury that the device tagged was not used, nor was the tag removed, until the required repairs were effected and the district notified.

Repaired by _____ Title _____
(Please print)

Signature _____

Date _____ Time _____

Totalizer Reading at Time of Repair _____

Repairs made _____

BEFORE USING THIS DEVICE Telephone your local air pollution control district at _____.
If repairs were made to the nozzle body you must notify the County Department of Weights and Measures.

Ser. # 65705

Grapevine Texaco

Grapevine Road
Lebec, CA

Removal/installation contractor: K.E. Curtis

Permit # 330035

07-22-98 Received the package from fire.

07-29-98 Began plan checking.

08-06-98 Reviewed the application and phone calls with the architect regarding their plans to retrofit the product piping. I was told that if the liner is in good shatpe they plan to keep the liner and the existing piping. If it needs to be replaced then the contractor will replace it with double-walled piping. I explained that if contamination is detected then they will be required to collect soil samples as though it was a typical pipe abandonment.

Issued permit. Called A&S Architects and spoke with Ahmed. I told him that the permit is ready to be signed for and to be picked up.

KERN COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

INVESTIGATION RECORD

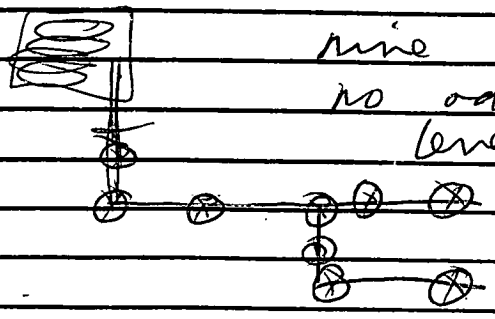
DBA _____

OWNER _____ ADDRESS _____

ADDRESS _____

ASSESSORS' PARCEL # _____ CT _____

CHRONOLOGICAL RECORD OF INVESTIGATION

DATE	
9/11/91	Rec'd New Construction Application + Plans. (set)
	New Const pipelines do not appear to overlap area of known contamination. It is all new const. at least 30 feet away from ~~and~~ location of Boring #9 of prelim site assessmt.
9/16/91	Groundwater Tech called to schedule removal sampling for Wed 9/18/91 @ 8:30 am. Spoke with Jim Gutrey - K.E Cnty 1-377-2324
9/17/91	Rec'd Call from Jim Gutrey, he stated that contamination was observed under concrete slab at dispenser much greater amount than anticipated. Scheduled W.G. Tank removal for 8:00 Thursday morning.
9/18/91	PIPING removal inspection - visual evidence of contamination between islands NO EVIDENCE during below surface sampling.
	 nine sets of samples obtained no odor or discoloration at 2' or 6' levels.

Prod sump 1/2 level

KERN COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

INVESTIGATION RECORD

Site phone (805) 248-0403

DBA _____

OWNER _____ ADDRESS _____

ADDRESS _____

ASSESSORS' PARCEL # _____ CT _____

1 lower probes

2 seal screws

3 - water tes pump sumps

CHRONOLOGICAL RECORD OF INVESTIGATION

DATE	
	Waste oil tank
9/19/91	UL #18322 Tank Removal inspection
	Waste oil tank removed to be recertified for installation on site. Soil samples obtained
10/3/91	Flora Darling has seen site report, she has indicated that no action will be necessary based on results in report of 9/27/91. Therefore construction can proceed without concern for remediation
	New Tank UL# 37826A O/G issues
10/21/91	diesel - 90 lbs 1:00 pm. | - sumps new tank water leaks
	reg - 86 3:00 - 80 lbs | - sumps old tanks (cont. sel)
	pUL - 87 | - drill holes - ≈24 in level
	UL - 90+ | - bottom seals
	VR - 86 depth of probes - 18-24"
	Chge guage in Reg line 3:15 pm. 82 lbs.
	Check ball valve in sump.
	~~New gr~~

KERN COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

INVESTIGATION RECORD

DBA _____

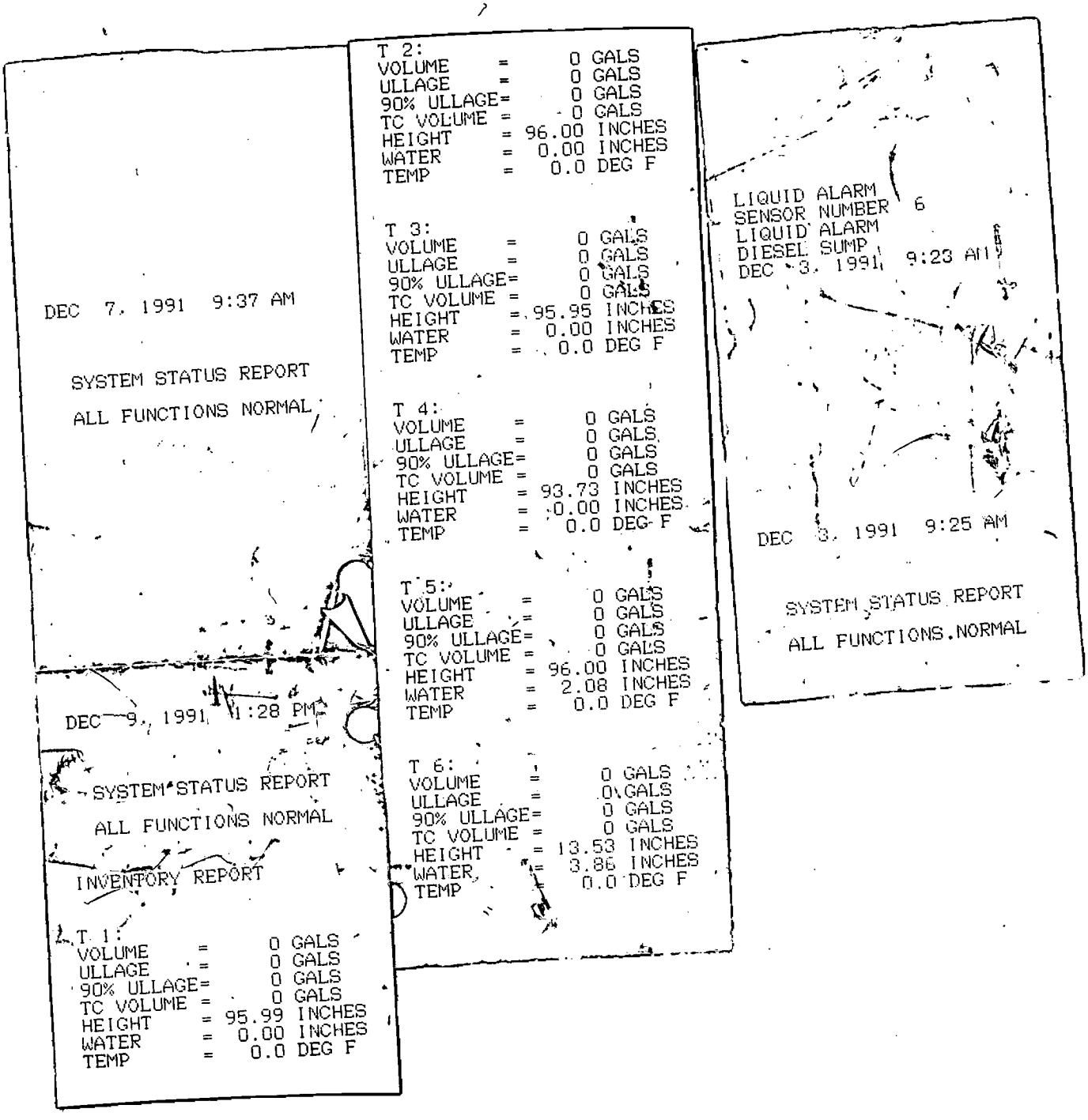
OWNER _____ ADDRESS _____

ADDRESS _____

ASSESSORS' PARCEL # _____ CT _____

CHRONOLOGICAL RECORD OF INVESTIGATION

DATE	
10/24/91	Sump inspection 1,35 pm water test for tightness sumps
	30 minute period - all sumps held water as measured by marked water level - & lack of leaks at visible unions
	America Liner has submitted letters to
	Some probes have been repositioned down lower in sumps.
11/25/91	Received T.I.T application from AES - This may mean that tank contains product when no approval has been given. No appointment has been made for Leak Detection System. Inspection.
12/3/91	Inspection of leak detect system NOV Carl Nelson for service fuel w/o approval
12/9/91	Final Construction inspection Approved the line leak detectors + ball float Valves
1/21/92	Processed refund for AES for 1 T.I. test fee on the newly installed product tank.



DEC 7, 1991 9:37 AM

SYSTEM STATUS REPORT

ALL FUNCTIONS NORMAL

DEC 9, 1991 1:28 PM

SYSTEM STATUS REPORT

ALL FUNCTIONS NORMAL

INVENTORY REPORT

T 1:
VOLUME = 0 GALS
ULLAGE = 0 GALS
90% ULLAGE= 0 GALS
TC VOLUME = 0 GALS
HEIGHT = 95.99 INCHES
WATER = 0.00 INCHES
TEMP = 0.0 DEG F

T 2:
VOLUME = 0 GALS
ULLAGE = 0 GALS
90% ULLAGE= 0 GALS
TC VOLUME = 0 GALS
HEIGHT = 96.00 INCHES
WATER = 0.00 INCHES
TEMP = 0.0 DEG F

T 3:
VOLUME = 0 GALS
ULLAGE = 0 GALS
90% ULLAGE= 0 GALS
TC VOLUME = 0 GALS
HEIGHT = 95.95 INCHES
WATER = 0.00 INCHES
TEMP = 0.0 DEG F

T 4:
VOLUME = 0 GALS
ULLAGE = 0 GALS
90% ULLAGE= 0 GALS
TC VOLUME = 0 GALS
HEIGHT = 93.73 INCHES
WATER = 0.00 INCHES
TEMP = 0.0 DEG F

T 5:
VOLUME = 0 GALS
ULLAGE = 0 GALS
90% ULLAGE= 0 GALS
TC VOLUME = 0 GALS
HEIGHT = 96.00 INCHES
WATER = 2.08 INCHES
TEMP = 0.0 DEG F

T 6:
VOLUME = 0 GALS
ULLAGE = 0 GALS
90% ULLAGE= 0 GALS
TC VOLUME = 0 GALS
HEIGHT = 13.53 INCHES
WATER = 3.86 INCHES
TEMP = 0.0 DEG F

LIQUID ALARM
SENSOR NUMBER 6
LIQUID ALARM
DIESEL SUMP
DEC 3, 1991 9:23 AM

DEC 3, 1991 9:25 AM

SYSTEM STATUS REPORT

ALL FUNCTIONS NORMAL

KERN COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

INVESTIGATION RECORD

DBA _____

OWNER _____ ADDRESS _____

ADDRESS _____

ASSESSORS' PARCEL # _____ CT _____

CHRONOLOGICAL RECORD OF INVESTIGATION

DATE	
11/25/91	Rec'd T.I.T application from AGS. Approved T.I.T permit & Sent to word processing. However this application is associated with a new construction and the new tanks have not been inspected for leak detection. Call to K.E. Cnty to speak w/ Lor Foreman.
	3:15 rec'd call from Carl Nielsen, he stated that 1 load of fuel had been dropped in Unlicded Tank. ~~At that he did~~ I told him that leak detection system inspection would be needed before fuel can be put in tanks. He said he would call me back when he found out if the leak detection system was operational to schedule inspection
12/3/91	New Const Inspection.

(818) 505-2483

7/23/91 — Ph. call to Ray Johnston & then Fred Long of Texaco. They will have piping tightness tested immediately based on soil analysis in Site Characterization of 6/26/91
- AES will test piping tommorow 7/24/91
- Prop 65 & Leak Report Completed

8/13/91 — Written Results of Product Line Tests received. All passed. Case referred to C.O.L.T based on TPH results in boring #B-9.

9/12/91 — Permit applications for New Construction and Removal received. Working file established. This file left in C.O.L.T.

Conf. - phone ph.# 499-0428

3-12-85 B.S., Gary Snyder

He told me that he has all of the documentation except the letter from Texaco listing U.L. #'s for tanks. I also reminded him about the picture of the tanks in hole that Bob Cannon took. Will send all the letters once he receives U.L. #'s. Photo will come when Bob develops the roll.

3-14-85 Correspondence - B.S., G. Snyder.

Received the Tank U.L. #'s, the ~~Backfill~~ backfill receipts, and letter of assurance from M.P.C. that Hytrel was installed properly. All were as requested. Only the photograph of the tanks in the hole was missing.

3-19-85 Conf.- phone B.S., Debbie ____ of Curtis Constr. Co.

Informed me that the picture of the tanks in the hole will be developed soon and in the mail in a few days.

3-6-85 B. Scheide, Bob Cannon

Reviewed his construction so far, covered as much of the plan check as possible. Requested Bob to document: 1) Tank invoices
2) Backfill invoice
3) Hytrel installer
4) Picture of tanks in hole.

Will go to site tomorrow & inspect whats already in. Drew up an inspection card for Bob, and he took with him. Permit will be drawn up later, after all issues are resolved & a site inspection done.

Also need to see how they started construction without Bldg. or Fire dept. notifying us.

3-7-85 B.S., Bruce Barker Insp.

Inspected site with construction nearing completion. Oil tank in and capped. Placed as shown on original drawing. Approx 8-9 from garage. Piping trenches laid & capped. Could see Hytrel pans coming up under dispensers.

Inspected the fill boxes, backfill of tanks, subpumps, line leak detectors. Asked them to wrap metal elbows connecting to leak detectors.

Told Bruce that we needed the documentation from above, and one more inspection when the site's capped off.

KERN COUNTY ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

INVESTIGATION RECORD

OWNER _____

DBA _____ ADDRESS _____

ADDRESS OF VIOLATION: _____

ASSESSORS' PARCEL # _____ CT _____

SPECIALIST/TECHNICIAN: _____

CHRONOLOGICAL RECORD OF INVESTIGATION

DATE	TIME (HR)	NARRATIVE
8-23-94		Spoke to Denise w/ Redwine testing she called to report the Failed line test
9-12-94		Issued modification permit.
9-13-94		Insp. Pressure test on lines only about a two foot section added at each dispenser and trench liners joined. received certification from American Liner.
9-22-94		Final insp all conduits sealed. Redwine tested lines and they passed will submit the results. (phone call on results) Gave the OK to operate.

KERN COUNTY ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

INVESTIGATION RECORD

OWNER_____

DBA_____ ADDRESS_____

ADDRESS OF VIOLATION: _____

ASSESSORS' PARCEL #_____ CT_____

SPECIALIST/TECHNICIAN: _____

CHRONOLOGICAL RECORD OF INVESTIGATION

DATE	TIME (HR)	NARRATIVE
		island could be from fire supression probes in piping sumps have not detected any product or water. ff
8-18-94		Called and talked to fire prevention about any requirements that they might have regarding the station reopening. Some one will get back with me. ff
8-19-94		Spoke w/ Chuck Dickson w/ Fire Prevention after explaining this departments requirements. Chuck said that he did not believe that KC Fire would have any additional requirements ff
8-19-94		Drafted letter to Davies Oil Company ff
8/22/94		Mailed letter ff
8/24/94		Recd a call from Bill Davies the Reg Unleaded line failed the T.Test it appears to be a flex connector under one of the damaged dispensers They plan on capping the line & retesting. all other lines passed.

KERN COUNTY ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

INVESTIGATION RECORD

OWNER _____

DBA _____ ADDRESS _____

ADDRESS OF VIOLATION: _____

ASSESSORS' PARCEL # _____ CT _____

SPECIALIST/TECHNICIAN: _____

CHRONOLOGICAL RECORD OF INVESTIGATION

DATE	TIME (HR)	NARRATIVE
		Crashed into the minivan fueling at the South west dispenser breaking it off at the shear valves it flew into the North west dispensers & they began burning. the Incident #'s are 28783 Fire #28784 for the medical Aid. ~~Most~~ ~~those~~ Most fuel was burned up a small amount was washed away.
8-18-94		Site inspection. meet Rex Rice Fleetcard fuels maintance and Bill Davies, Owner. all shear valves worked properly North west dispensers were melted. Davies stated that they wanted to install new MPD disp. and discontinue diesel on that side of facility. The disp. will ~~then~~ take about 90 days to receive they would like to do a pressure test on the lines and if fails they will need a modification permit to repair lines I would check on the requirement for modification permit to install the new dispensers. a certified line test is required before operating. Checked the monitoring wells in trench lines some water in well next to north

KERN COUNTY ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

INVESTIGATION RECORD

OWNER _____

DBA _____ ADDRESS _____

ADDRESS OF VIOLATION: _____

ASSESSORS' PARCEL # _____ CT _____

SPECIALIST/TECHNICIAN: _____

CHRONOLOGICAL RECORD OF INVESTIGATION

DATE	TIME (HR)	NARRATIVE
11/4/92	0.2	Rec'd call from Paul from fleet card fuels. He will be delivering complete Tank integrity test results later today or first thing tomorrow. We will sign off the job card at that time. He will also submit as built drawings as required on modified permit. No soil sample was required at site. No evidence of release of product outside of piping liner.
11/12/92	1.5	Rec'd As-Built Drawing & latest test results
11/19/92		Review file to check on T.I. test results. Still waiting for (1) Statement from Redwine that its T.I. Test of 11/3/92 included Siphon LINE. (2.) Typed test result report from 10/5/92 tanknology tests. Rec'd as built drawings for modification. Modif. & T.I. Test complete pending item 1 & 2.
2/11/94		Issued TT permit
8/17/94		Called Station 56 248-6426 KCFD regarding an accident involving the dispensers. he said that a lady was driving at excessive speed, ran a stop sign, and

KERN COUNTY ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

INVESTIGATION RECORD

OWNER _____

DBA _____ ADDRESS _____

ADDRESS OF VIOLATION: _____

ASSESSORS' PARCEL # _____ CT _____

SPECIALIST/TECHNICIAN: _____

CHRONOLOGICAL RECORD OF INVESTIGATION

DATE	TIME (HR)	NARRATIVE
10/6/92	0.8	Talked w/ Paul Lingenfelder of Fleetcard Fuels BASED ON THE "above product" failure of the 12K VL tank reported yesterday, they will be doing investigation in the vent line + possibly V.R. Line. All Repairs are covered under Modification Permit # 330087M issued 9/2/92. Paul Lingenfelder will ~~send~~ fax a letter outlining the planned scope of repairs. He was told that Inspections will be needed at exposing of tank or V.R Lines (also product pipe) + at retest of tanks
10/30/92		Recd call from Paul of Fleetcard fuels the 2nd problem was identified as a faulty "O" ring on the sump pump of the VL tank. It has been replaced; the site had been inspected + no visual evidence of contamination was noted. The piping are contained in a liner which contained any release. No soil samples are ordered.
		Tank is to be precision tested by Hanner on Tues, Nov 3 @ 530 AM.
		The siphon LINE Between the diesel tanks will be precision checked
11/3/92	2	Inspection of site. Precision test took place earlier in the morning - no inspection possible

KERN COUNTY ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

INVESTIGATION RECORD

OWNER _____

DBA _____ ADDRESS _____

ADDRESS OF VIOLATION: _____

ASSESSORS' PARCEL # _____ CT _____

SPECIALIST/TECHNICIAN: _____

CHRONOLOGICAL RECORD OF INVESTIGATION

DATE	TIME (HR)	NARRATIVE
9/14/92	0.5	Review of file. Still Waiting for modification inspection. Visit to site 9/9/92 to check on progress contractor was on site working to expose problem. Informed contractor of inspection points, etc.
9/16/92	3.0	Modification Inspection. Hole in Diesel tank Vent line exposed & repaired. No evidence of contamination. Syphon Line installed.
9/17/92	2.7	Inspection of vent line repair - soap & pressure test - Passed. held 40 PSI for 30 min. no evidence of leakage w/ soap test. Inspected ball float valves in tanks 5 & 6 to verify presence. waiting for tank integrity test inspection by Tanknology.
10/5/92		T.I. Test Inspection for completion of modification. They are testing 4 tanks 12 tanks originally passed. Did checklist at Inspection. No indication of pass or fail at time of Inspection
10/5		Rec'd 4:45pm call from Cliff @ Tanknology. They Failed the 12K V2 Tank. w/ above product-line ingress. The other 3 passed. called Paul Lingenfelder. Left MSG

KERN COUNTY ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

INVESTIGATION RECORD

OWNER

DBA ADDRESS

ADDRESS OF VIOLATION:

ASSESSORS' PARCEL # CT

SPECIALIST/TECHNICIAN:

CHRONOLOGICAL RECORD OF INVESTIGATION

DATE	TIME (HR)	NARRATIVE
8/13/92	.4	Rec'd call from Rex of Fleetcard Fuels. the helium test revealed a possible leak in the vent lines of the diesel tank + a gas tank. The other tanks he feels are ~~teaking~~ failing the test at the plumbing in the dispenser. I told him that no modification permit is required on vent line or dispenser plumbing repair. He said repairs will take place on next Monday + retest shortly thereafter.
9/1/92		Rec'd Modification application for the uncovering of the tanks to investigate T.I. Test failures at vent LINE attatchment.
		-Called Cliff Porter for official results of original testing
		Application has insufficient drawing + equipment List, called Rex Rice of Fleetcard Fuels / DAVIES OIL Co + requested additional info. He will probably submit 9/2/92 - 8-10 am
9-4-92		I review info. submitted today & issued the permit that had been prepared. AEG.

F7

KERN COUNTY ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

INVESTIGATION RECORD

OWNER _____

DBA _____ ADDRESS _____

ADDRESS OF VIOLATION: _____

ASSESSORS' PARCEL # _____ CT _____

SPECIALIST/TECHNICIAN: _____

CHRONOLOGICAL RECORD OF INVESTIGATION

DATE	TIME (HR)	NARRATIVE
7/30/92		Mail copy of Permit to Tankology.
		Test scheduled for Aug 9 - 6 pm
8/11/92		Rec'd call from Cliff of Tankology reporting
		'above product' failures for some tanks tested
		(714) 941 - 4491
		16K Diesel PASSED
		10K Diesel PASSED
		6K PUL Fail
		7.5K UL+ Fail } all above product level.
		12K UL Fail
		10K D Fail
		Call to Chuck Martin of DAVES OILCO. to inform him of need to investigate, repair if necessary & retest these tanks. - Left msg w/ secretary
		Confirmed w/ Wayne Mallet of Tankology that tanks failed in Village area on Vent line - not in product line.
		CHUCK Martin called back to inform me that below test was being performed & they will retest w/ Tankology shortly.

KERN COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

INVESTIGATION RECORD

DBA _____

OWNER _____ ADDRESS _____

ADDRESS _____

ASSESSORS' PARCEL # _____ CT _____

CHRONOLOGICAL RECORD OF INVESTIGATION

DATE	
2/24/92	Review & approved T.I. Test applicate. Permit to W.P.
3/2/92	Permit faxed to Tanknology
3/18/92	Called Tanknology to request signed copy of Permit # T0155.
5/26/92	Permit expires 5/27/92, no appt. made, no test results received. will call Cliff Porter to see if test has taken place.
6/15/92	Called cliff Porter of Tanknology to check status of test. He told me that Davies Oil Post poned tests & there will be no testing done on this permit. No request made for refund. Told Porter that if & when tests take place, a new PTT will be needed.
6/18/92	Routine inspection of facility - Report in file Major issues: 1.- Tokheim TLM not state approved 2.- No Line leak detectors 3.- No tightness test results.
7/17/92	Called Cliff Porter RE: Naming Testers for Frazier Park Exxon.
7/20/92	Called to remind Cliff of need to name testers for Frazier Park Exxon Test.

3/14/88

Discussed the requirements of further sampling near the dispenser islands as per UT-30 w/ Bill Davies. He said they are planning on doing further sampling since it was indicated as needing more delineation of contamination found in the soil test investigation performed by SEI.

2/5/89 Sunday

Questions:

- Davies: • Did you mix cont soil as proposed in letter?
  - How is groundwater determined with info provided?
  - Is new const on location of boring 11

Only concern is boring 11 high TPH

6/14/89 Discussed results of boring logs to determine first groundwater level and concluded that no threat exists. Closure letter required

4/10/90 After review of past records, it has been determined that 6 tanks currently exist at this facility. A waste oil tank was removed during the repiping activities.

CR2442

MONITORING SYSTEM CERTIFICATION

For Use By All Jurisdictions Within the State of California
Authority Cited: Chapter 6.7, Health and Safety Code; Chapter 16, Division 3, Title 23, California Code of Regulations

This form must be used to document testing and servicing of monitoring equipment. A separate certification or report must be prepared for each monitoring system control panel by the technician who performs the work. A copy of this form must be provided to the tank system owner/operator. The owner/operator must submit a copy of this form to the local agency regulating UST systems within 30 days of test date.

A. General Information

Facility Name: LEBEC SHELL
Site Address: 9069 GRAPEVINE RD - City: LEBEC CA Bldg. No.: Zip:
Facility Contact Person: Contact Phone No.: (661) 249-4801
Make/Model of Monitoring System: TLS350 Date of Testing/Servicing: 3/4/13

B. Inventory of Equipment Tested/Certified

Check the appropriate boxes to indicate specific equipment inspected/serviced:

Tank ID: 87 E
- [x] In-Tank Gauging Probe. Model: MAG
- [x] Annular Space or Vault Sensor. Model: SNAKE
- [x] Piping Sump / Trench Sensor(s). Model: 208
- [x] Fill Sump Sensor(s). Model: 208
- [ ] Mechanical Line Leak Detector. Model:
- [x] Electronic Line Leak Detector. Model: VEEDER ROOT
- [x] Tank Overfill / High-Level Sensor. Model: ALARM
- [ ] Other (specify equipment type and model in Section E on Page 2).

Tank ID: 87 CENTER
- [x] In-Tank Gauging Probe. Model: MAG
- [x] Annular Space or Vault Sensor. Model: SNAKE
- [x] Piping Sump / Trench Sensor(s). Model: 208
- [x] Fill Sump Sensor(s). Model: 208
- [x] Mechanical Line Leak Detector. Model: RED JACKET
- [ ] Electronic Line Leak Detector. Model:
- [x] Tank Overfill / High-Level Sensor. Model: ALARM
- [ ] Other (specify equipment type and model in Section E on Page 2).

Tank ID: 87 W.
- [x] In-Tank Gauging Probe. Model: MAG
- [x] Annular Space or Vault Sensor. Model: BRINE
- [x] Piping Sump / Trench Sensor(s). Model: 208
- [x] Fill Sump Sensor(s). Model: 208
- [ ] Mechanical Line Leak Detector. Model:
- [x] Electronic Line Leak Detector. Model: VEEDER ROOT
- [x] Tank Overfill / High-Level Sensor. Model: ALARM
- [ ] Other (specify equipment type and model in Section E on Page 2).

Tank ID: 91
- [x] In-Tank Gauging Probe. Model: MAG
- [x] Annular Space or Vault Sensor. Model: SNAKE
- [x] Piping Sump / Trench Sensor(s). Model: 208
- [x] Fill Sump Sensor(s). Model: 208
- [ ] Mechanical Line Leak Detector. Model:
- [x] Electronic Line Leak Detector. Model: VEED ROOT.
- [x] Tank Overfill / High-Level Sensor. Model: ALARM
- [ ] Other (specify equipment type and model in Section E on Page 2).

Dispenser ID: 1/2
- [x] Dispenser Containment Sensor(s). Model: 208
- [x] Shear Valve(s).
- [ ] Dispenser Containment Float(s) and Chain(s).

Dispenser ID: 3/4
- [x] Dispenser Containment Sensor(s). Model: 208
- [x] Shear Valve(s).
- [ ] Dispenser Containment Float(s) and Chain(s).

Dispenser ID: 5/6
- [x] Dispenser Containment Sensor(s). Model: 208
- [x] Shear Valve(s).
- [ ] Dispenser Containment Float(s) and Chain(s).

Dispenser ID: 7/8
- [x] Dispenser Containment Sensor(s). Model: 208
- [x] Shear Valve(s).
- [ ] Dispenser Containment Float(s) and Chain(s).

Dispenser ID: 9/10
- [x] Dispenser Containment Sensor(s). Model: 208
- [ ] Shear Valve(s).
- [ ] Dispenser Containment Float(s) and Chain(s).

Dispenser ID: 11/12
- [x] Dispenser Containment Sensor(s). Model: 208
- [ ] Shear Valve(s).
- [ ] Dispenser Containment Float(s) and Chain(s).

*If the facility contains more tanks or dispensers, copy this form. Include information for every tank and dispenser at the facility.

C. Certification

- I certify that the equipment identified in this document was inspected/serviced in accordance with the manufacturers' guidelines. Attached to this Certification is information (e.g. manufacturers' checklists) necessary to verify that this information is correct and a Plot Plan showing the layout of monitoring equipment. For any equipment capable of generating such reports, I have also attached a copy of the report; *(check all that apply)*: ☐ System set-up ☐ Alarm history report

Technician Name (print): JESSE VERA Signature:
Certification No.: B34088 / 5259508-UT License. No.: 901427
Testing Company Name: R S ENVIRONMENTAL Phone No.: (559) 999-0337
Testing Company Address: 6601 N. LOCKS AVE - CLOVIS CA Date of Testing/Servicing: 3/4/13

Rev (2/08)

MONITORING SYSTEM CERTIFICATION

For Use By All Jurisdictions Within the State of California
Authority Cited: Chapter 6.7, Health and Safety Code; Chapter 16, Division 3, Title 23, California Code of Regulations

This form must be used to document testing and servicing of monitoring equipment. A separate certification or report must be prepared for each monitoring system control panel by the technician who performs the work. A copy of this form must be provided to the tank system owner/operator. The owner/operator must submit a copy of this form to the local agency regulating UST systems within 30 days of test date.

A. General Information

Facility Name: LEBEC SHELL
Site Address: 9069 GRAPEVINE RD City: LEBEC CA Zip: Bldg. No.:
Facility Contact Person: Contact Phone No.: (661) 248-4801
Make/Model of Monitoring System: TLS 350 Date of Testing/Servicing: 3/4/13

B. Inventory of Equipment Tested/Certified

Check the appropriate boxes to indicate specific equipment inspected/serviced:

Tank ID: DSL
- [x] In-Tank Gauging Probe. Model: MAG
- [x] Annular Space or Vault Sensor. Model: SNAKE
- [x] Piping Sump / Trench Sensor(s). Model: 208
- [x] Fill Sump Sensor(s). Model: 208
- [ ] Mechanical Line Leak Detector. Model:
- [x] Electronic Line Leak Detector. Model: VEEDER-Root
- [x] Tank Overfill / High-Level Sensor. Model: Alarm
- [ ] Other (specify equipment type and model in Section E on Page 2).

Tank ID: WASTE OIL
- [x] In-Tank Gauging Probe. Model: MAG
- [x] Annular Space or Vault Sensor. Model: SNAKE
- [ ] Piping Sump / Trench Sensor(s). Model:
- [x] Fill Sump Sensor(s). Model: 208
- [ ] Mechanical Line Leak Detector. Model:
- [ ] Electronic Line Leak Detector. Model:
- [x] Tank Overfill / High-Level Sensor. Model: Alarm
- [ ] Other (specify equipment type and model in Section E on Page 2).

Tank ID:
- [ ] In-Tank Gauging Probe. Model:
- [ ] Annular Space or Vault Sensor. Model:
- [ ] Piping Sump / Trench Sensor(s). Model:
- [ ] Fill Sump Sensor(s). Model:
- [ ] Mechanical Line Leak Detector. Model:
- [ ] Electronic Line Leak Detector. Model:
- [ ] Tank Overfill / High-Level Sensor. Model:
- [ ] Other (specify equipment type and model in Section E on Page 2).

Tank ID:
- [ ] In-Tank Gauging Probe. Model:
- [ ] Annular Space or Vault Sensor. Model:
- [ ] Piping Sump / Trench Sensor(s). Model:
- [ ] Fill Sump Sensor(s). Model:
- [ ] Mechanical Line Leak Detector. Model:
- [ ] Electronic Line Leak Detector. Model:
- [ ] Tank Overfill / High-Level Sensor. Model:
- [ ] Other (specify equipment type and model in Section E on Page 2).

Dispenser ID:
- [ ] Dispenser Containment Sensor(s). Model:
- [ ] Shear Valve(s).
- [ ] Dispenser Containment Float(s) and Chain(s).

Dispenser ID:
- [ ] Dispenser Containment Sensor(s). Model:
- [ ] Shear Valve(s).
- [x] Dispenser Containment Float(s) and Chain(s).

Dispenser ID:
- [ ] Dispenser Containment Sensor(s). Model:
- [ ] Shear Valve(s).
- [ ] Dispenser Containment Float(s) and Chain(s).

Dispenser ID:
- [ ] Dispenser Containment Sensor(s). Model:
- [ ] Shear Valve(s).
- [ ] Dispenser Containment Float(s) and Chain(s).

Dispenser ID:
- [ ] Dispenser Containment Sensor(s). Model:
- [ ] Shear Valve(s).
- [ ] Dispenser Containment Float(s) and Chain(s).

Dispenser ID:
- [ ] Dispenser Containment Sensor(s). Model:
- [ ] Shear Valve(s).
- [ ] Dispenser Containment Float(s) and Chain(s).

*If the facility contains more tanks or dispensers, copy this form. Include information for every tank and dispenser at the facility.

C. Certification

I certify that the equipment identified in this document was inspected/serviced in accordance with the manufacturers' guidelines. Attached to this Certification is information (e.g. manufacturers' checklists) necessary to verify that this information is correct and a Plot Plan showing the layout of monitoring equipment. For any equipment capable of generating such reports, I have also attached a copy of the report; *(check all that apply)*: ☐ System set-up ☐ Alarm history report

Technician Name (print): JESSE USHA Signature:
Certification No.: 525508-UT | B34080 License No.: 091427
Testing Company Name: RJ Environmental Phone No.: (559) 999-0327
Testing Company Address: 6601 N. Ingram Ave - Clovis CA Date of Testing/Servicing: 3/4/13

Rev (2/08)

Monitoring System Certification

D. Results of Testing/Servicing

Software Version Installed: _____

Complete the following checklist:

☑ Yes	☐ No*	Is the audible alarm operational?
☑ Yes	☐ No*	Is the visual alarm operational?
☑ Yes	☐ No*	Were all sensors visually inspected, functionally tested, and confirmed operational?
☑ Yes	☐ No*	Were all sensors installed at lowest point of secondary containment and positioned so that other equipment will not interfere with their proper operation?
☐ Yes	☑ No* ☑ N/A	If alarms are relayed to a remote monitoring station, is all communications equipment (e.g., modem) operational?
☑ Yes	☐ No* ☐ N/A	For pressurized piping systems, does the turbine automatically shut down if the piping secondary containment monitoring system detects a leak, fails to operate, or is electrically disconnected? If yes: which sensors initiate positive shut-down? *(Check all that apply)* ☑ Sump/Trench Sensors; ☑ Dispenser Containment Sensors. Did you confirm positive shut-down due to leaks and sensor failure/disconnection? ☑ Yes; ☐ No.
☑ Yes	☐ No* ☐ N/A	For tank systems that utilize the monitoring system as the primary tank overfill warning device (i.e., no mechanical overfill prevention valve is installed), is the overfill warning alarm visible and audible at the tank fill point(s) and operating properly? If so, at what percent of tank capacity does the alarm trigger? 90 %
☐ Yes*	☑ No	Was any monitoring equipment replaced? If yes, identify specific sensors, probes, or other equipment replaced and list the manufacturer name and model for all replacement parts in Section E, below.
☐ Yes*	☑ No	Was liquid found inside any secondary containment systems designed as dry systems? *(Check all that apply)* ☐ Product; ☐ Water. If yes, describe causes in Section F, below.
☑ Yes	☐ No*	Was monitoring system set-up reviewed to ensure proper settings? Attach set up reports, if applicable
☑ Yes	☐ No*	Is all monitoring equipment operational per manufacturer's specifications?

*** In Section E below, describe how and when these deficiencies were or will be corrected.**

E. Comments:

Monitoring System Certification

F. In-Tank Gauging / SIR Equipment:

☑ Check this box if tank gauging is used only for inventory control.
☐ Check this box if no tank gauging or SIR equipment is installed.

This section must be completed if in-tank gauging equipment is used to perform leak detection monitoring.

Complete the following checklist:

☐ Yes	☐ No*	Has all input wiring been inspected for proper entry and termination, including testing for ground faults?
☐ Yes	☐ No*	Were all tank gauging probes visually inspected for damage and residue buildup?
☐ Yes	☐ No*	Was accuracy of system product level readings tested?
☐ Yes	☐ No*	Was accuracy of system water level readings tested?
☐ Yes	☐ No*	Were all probes reinstalled properly?
☐ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

*** In the Section H, below, describe how and when these deficiencies were or will be corrected.**

G. Line Leak Detectors (LLD):

☐ Check this box if LLDs are not installed.

Complete the following checklist:

☑ Yes	☐ No* ☐ N/A	For equipment start-up or annual equipment certification, was a leak simulated to verify LLD performance? *(Check all that apply)* Simulated leak rate: ☑ 3 g.p.h.; ☐ 0.1 g.p.h ; ☐ 0.2 g.p.h.
☑ Yes	☐ No*	Were all LLDs confirmed operational and accurate within regulatory requirements?
☑ Yes	☐ No*	Was the testing apparatus properly calibrated?
☑ Yes	☐ No* ☐ N/A	For mechanical LLDs, does the LLD restrict product flow if it detects a leak?
☑ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if the LLD detects a leak?
☑ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system is disabled or disconnected?
☑ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system malfunctions or fails a test?
☑ Yes	☐ No* ☐ N/A	For electronic LLDs, have all accessible wiring connections been visually inspected?
☑ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

*** In the Section H, below, describe how and when these deficiencies were or will be corrected.**

H. Comments:

SWRCB, January 2006

Spill Bucket Testing Report Form

This form is intended for use by contractors performing annual testing of UST spill containment structures. The completed form and printouts from tests (if applicable), should be provided to the facility owner/operator for submittal to the local regulatory agency.

1. FACILITY INFORMATION

Facility Name: LE BEC Shell	Date of Testing: 3/4/13
Facility Address: 9069 6th AVENUE RD - LEBEC CA	
Facility Contact:	Phone: 661-248-4801
Date Local Agency Was Notified of Testing: 3/2/13	
Name of Local Agency Inspector *(if present during testing)*: KINGS CO - [redacted]	

2. TESTING CONTRACTOR INFORMATION

Company Name:	**RJ Environmental**
Technician Conducting Test:	**Jesse Vera - 5259508-UT**
Credentials[1]: X CSLB Contractor X ICC Service Tech. ④ SWRCB Tank Tester ④ Other *(Specify)* -	334089
License Number(s): 901427	

3. SPILL BUCKET TESTING INFORMATION

Test Method Used:	X Hydrostatic	④ Vacuum	④ Other	
Test Equipment Used:			Equipment Resolution: .01	
Identify Spill Bucket *(By Tank Number, Stored Product, etc.)*	1 87E	2 87W	3 87 C. [redacted]	4 [redacted] 91
Bucket Installation Type:	④ Direct Bury ● Contained in Sump	④ Direct Bury ● Contained in Sump	④ Direct Bury ● Contained in Sump	④ Direct Bury ● Contained in Sump
Bucket Diameter:	13"	13"	13"	13"
Bucket Depth:	17"	17"	17"	17"
Wait time between applying vacuum/water and start of test:	5 min	5 min	5 min	5 min
Test Start Time (T_I):	11:00	11:00	11:00	11:00
Initial Reading (R_I):	15"	15"	15"	15"
Test End Time (T_F):	12:00	12:00	12:00	12:00
Final Reading (R_F):	15"	15"	15"	15"
Test Duration ($T_F - T_I$):	1HR	1HR	1HR	1HR
Change in Reading ($R_F - R_I$):	0	0	0	0
Pass/Fail Threshold or Criteria:	.001	.001	.001	.001
Test Result:	● Pass ④ Fail	● Pass ④ Fail	● Pass ④ Fail	● Pass ④ Fail

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

CERTIFICATION OF TECHNICIAN RESPONSIBLE FOR CONDUCTING THIS TESTING

I hereby certify that all the information contained in this report is true, accurate, and in full compliance with legal requirements.

Technician's Signature: [signature] Date: 3/4/13

[1] State laws and regulations do not currently require testing to be performed by a qualified contractor. However, local requirements may be more stringent.

SWRCB, January 2006

Spill Bucket Testing Report Form

This form is intended for use by contractors performing annual testing of UST spill containment structures. The completed form and printouts from tests (if applicable), should be provided to the facility owner/operator for submittal to the local regulatory agency.

1. FACILITY INFORMATION

Facility Name: LEBEC SHELL	Date of Testing: 3/4/13
Facility Address: 9069 GRAPEVINE RD - LEBEC CA	
Facility Contact:	Phone: 661-248-4801
Date Local Agency Was Notified of Testing: 3/2/13	
Name of Local Agency Inspector *(if present during testing)*: KERN CO	

2. TESTING CONTRACTOR INFORMATION

Company Name: RJ Environmental	
Technician Conducting Test: Jesse Vera - 5259508-UT	
Credentials[1]: X CSLB Contractor X ICC Service Tech. ④ SWRCB Tank Tester ④ Other *(Specify)* - 834088	
License Number(s): 901427	

3. SPILL BUCKET TESTING INFORMATION

Test Method Used: X Hydrostatic ④ Vacuum ④ Other

Test Equipment Used: Equipment Resolution: .01

Identify Spill Bucket *(By Tank Number, Stored Product, etc.)*	1 DSL	2 WASTE OIL	3	4
Bucket Installation Type:	④ Direct Bury ● Contained in Sump	④ Direct Bury ● Contained in Sump	④ Direct Bury ④ Contained in Sump	④ Direct Bury ④ Contained in Sump
Bucket Diameter:	13"	13"		
Bucket Depth:	17"	17"		
Wait time between applying vacuum/water and start of test:	5min	5min		
Test Start Time (T_I):	11:00	11:00	~~11:00~~	
Initial Reading (R_I):	15"	15"		
Test End Time (T_F):	12:00	12:00	~~12:00~~	
Final Reading (R_F):	15"	15"		
Test Duration ($T_F - T_I$):	1HR	1HR		
Change in Reading ($R_F - R_I$):	0	0		
Pass/Fail Threshold or Criteria:	.001	.001		
Test Result:	● Pass ④ Fail	● Pass ④ Fail	④ Pass ④ Fail	④ Pass ④ Fail

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

CERTIFICATION OF TECHNICIAN RESPONSIBLE FOR CONDUCTING THIS TESTING

I hereby certify that all the information contained in this report is true, accurate, and in full compliance with legal requirements.

Technician's Signature: _____ Date: 3/4/13

[1] State laws and regulations do not currently require testing to be performed by a qualified contractor. However, local requirements may be more stringent.

RJ ENVIRONMENTAL

Construction, Maintenance & Testing for Fueling Facilities
California Licensed Contractor No. 901427

SOURCE TEST RESULTS

LEAK DETECTOR TEST

Site Name and Address:
LEBEC SHELL
9069 GRAPEVINE RD
LEBEC CA
County: KINGS CO.

Testing Company:
RJ Environmental
6601 N. Locan Ave.
Clovis, Ca. 93619

Type of Leak Detectors Tested (check one)

_____XLD P/N 116036-5 _____XLP P/N 116035-5 _____BFLD (XL Model) P/N 116039-5

_____DLD P/N 116017-5 _____PLD P/N 116030-5 _____BFLD P/N 116012-5

X OTHER (3) ELLD VEEDER-ROOT ; (2) [redacted] MLLD REPLACED

PRODUCT	SERIAL #	RESILIENCY	TIME OPEN	TEST LEAK RATE GPH	METERING PSI	RESULTS
87 E.	ELLD	200	3 sec	3	10	P
87 C	[redacted] MLLD	200	3 sec	3	10	P
87 W.	ELLD	200	3 sec	3	10	P
91	ELLD	200	3 sec	3	10	P
DSL	ELLD	200	3 sec.	3	10	P
[redacted]						

Test Conducted By:
Jesse Vera

Signature: Jesse Vera

Technician # 2295

Date: 3/4/13

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 3:DIESEL STP SUMP3
STP SUMP
SENSOR OUT ALARM
03-13-13 10:13 AM

FUEL ALARM
03-13-13 10:07 AM

FUEL ALARM
01-09-13 2:19 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 4:DISP 1 SATELITE
DISPENSER PAN
SENSOR OUT ALARM
03-13-13 10:13 AM

FUEL ALARM
03-13-13 10:05 AM

FUEL ALARM
01-09-13 2:19 PM

* END * * * * *

* * * * * END * *

* * * * * END * * *

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 2:DIESEL STP SUMP2
STP SUMP
SENSOR OUT ALARM
03-13-13 10:13 AM

FUEL ALARM
03-13-13 10:07 AM

FUEL ALARM
01-09-13 2:19 PM

ALARM HISTORY REPORT

----- IN-TANK ALARM -----

T 5:PREMIUM

HIGH PRODUCT ALARM
03-13-13 11:22 AM
01-09-13 2:49 PM

DELIVERY NEEDED
01-03-13 8:06 PM
11-23-12 9:06 AM

MAX PRODUCT ALARM
03-13-13 11:22 AM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 5:DISP 1-2 MASTER
DISPENSER PAN
SENSOR OUT ALARM
03-13-13 10:13 AM

FUEL ALARM
03-13-13 10:04 AM

FUEL ALARM
01-09-13 2:19 PM

ARM HISTORY REPORT

---- SENSOR ALARM ----
6:DISP 2 SATELITE
SPENSER PAN
NSOR OUT ALARM
03-13-13 10:13 AM

JEL ALARM
03-13-13 10:05 AM

JEL ALARM
01-09-13 2:19 PM

* * * * * END * * * * *

* * * * * END * * * * *

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 3:DIESEL STP SUMP3
STP SUMP
SENSOR OUT ALARM
03-13-13 10:13 AM

FUEL ALARM
03-13-13 10:07 AM

FUEL ALARM
01-09-13 2:19 PM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 1:DIESEL STP SUMP1
STP SUMP
SENSOR OUT ALARM
03-13-13 10:13 AM

FUEL ALARM
03-13-13 10:08 AM

FUEL ALARM
01-09-13 2:19 PM

ARM HISTORY REPORT

--- SENSOR ALARM -----
7:DISP 3-4 MASTER
SPENSER PAN
NSOR OUT ALARM
03-13-13 10:13 AM

EL ALARM
03-13-13 10:06 AM

NSOR OUT ALARM
01-09-13 2:21 PM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 5:DISP 1-2 MASTER
DISPENSER PAN
SENSOR OUT ALARM
03-13-13 10:13 AM

FUEL ALARM
03-13-13 10:04 AM

FUEL ALARM
01-09-13 2:19 PM

* * * * * END * * * * *

* * *

* * * * END * * * * *

ARM HISTORY REPORT

---- SENSOR ALARM ------
3:DISP 7-8
SPENSER PAN
NSOR OUT ALARM
03-13-13 10:13 AM

EL ALARM
03-13-13 8:31 AM

EL ALARM
01-09-13 2:19 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

------ SENSOR ALARM ------
L11:DIESEL 3ANNULAR
ANNULAR SPACE
SENSOR OUT ALARM
03-13-13 10:13 AM

FUEL ALARM
03-13-13 10:08 AM

FUEL ALARM
01-09-13 2:19 PM

* * * * * END * * * * *

* * * * END * * * * *

ARM HISTORY REPORT

---- SENSOR ALARM ------
8:DISP 4 SATELITE
SPENSER PAN
NSOR OUT ALARM
03-13-13 10:13 AM

JEL ALARM
03-13-13 10:06 AM

ENSOR OUT ALARM
01-09-13 2:21 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

---- IN-TANK ALARM ------

T 3:DIESEL3

LOW PRODUCT ALARM
02-06-13 4:59 AM
09-06-12 1:51 PM
08-15-12 1:20 PM

HIGH PRODUCT ALARM
01-09-13 2:47 PM

INVALID FUEL LEVEL
02-05-13 8:07 PM
11-28-12 2:53 PM
09-06-12 1:49 PM

DELIVERY NEEDED
03-07-13 2:09 PM
02-21-13 5:09 AM
02-14-13 6:20 AM

* * * * * END * * * * *

* * * * END * * * * *

ARM HISTORY REPORT

------ SENSOR ALARM ------
.3:DISP 7-8
SPENSER PAN
ENSOR OUT ALARM
03-13-13 10:13 AM

JEL ALARM
03-13-13 8:31 AM

JEL ALARM
01-09-13 2:19 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

------ SENSOR ALARM ------
L12:DISP 5-6
DISPENSER PAN
SENSOR OUT ALARM
03-13-13 10:13 AM

FUEL ALARM
03-13-13 8:28 AM

FUEL ALARM
01-09-13 2:19 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

------ SENSOR ALARM ------
L 9:DIESEL 1ANNULAR
ANNULAR SPACE
SENSOR OUT ALARM
03-13-13 10:13 AM

FUEL ALARM
03-13-13 10:08 AM

FUEL ALARM
01-09-13 2:19 PM

ALARM HISTORY REPORT

---- IN-TANK ALARM ------

T 4:UNLEADED

HIGH PRODUCT ALARM
03-13-13 11:28 AM
03-13-13 11:26 AM
03-13-13 11:15 AM

DELIVERY NEEDED
03-08-13 3:17 PM
02-20-13 7:33 PM
02-07-13 2:52 PM

MAX PRODUCT ALARM
03-13-13 11:28 AM
03-13-13 11:15 AM

* END

* * * END * * * *

* * * * * END * * * * *

* * * * * END * * * * *

* * * * * END * * * * *

M HISTORY REPORT

--- SENSOR ALARM ---
:87 UNLEADED FILL SUM
NG SUMP
SOR OUT ALARM
03-13-13 10:13 AM

L ALARM
03-13-13 8:29 AM

L ALARM
01-09-13 2:19 PM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L17:87 UNLEADED STP SUMP
STP SUMP
SENSOR OUT ALARM
03-13-13 10:13 AM

FUEL ALARM
03-13-13 8:29 AM

FUEL ALARM
01-09-13 2:19 PM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L16:REG-PREM ANNULAR
ANNULAR SPACE
SENSOR OUT ALARM
03-13-13 10:13 AM

FUEL ALARM
03-13-13 8:28 AM

SENSOR OUT ALARM
01-09-13 2:21 PM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L14:DISP 9-10
DISPENSER PAN
SENSOR OUT ALARM
03-13-13 10:13 AM

FUEL ALARM
03-13-13 8:29 AM

FUEL ALARM
01-09-13 2:19 PM

* * * * * END * * * * *

* * * * * END * * * * *

* * * * * END * * * * *

* * * * * END * * * * *

ARM HISTORY REPORT

--- SENSOR ALARM ---
9:91 SUPER STP SUMP
P SUMP
NSOR OUT ALARM
03-13-13 10:13 AM

JEL ALARM
03-13-13 8:30 AM

JEL ALARM
01-09-13 2:19 PM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L18:87 UNLEADED FILL SUM
PIPING SUMP
SENSOR OUT ALARM
03-13-13 10:13 AM

FUEL ALARM
03-13-13 8:29 AM

FUEL ALARM
01-09-13 2:19 PM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L16:REG-PREM ANNULAR
ANNULAR SPACE
SENSOR OUT ALARM
03-13-13 10:13 AM

FUEL ALARM
03-13-13 8:28 AM

SENSOR OUT ALARM
01-09-13 2:21 PM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L15:DISP 11-12
DISPENSER PAN
SENSOR OUT ALARM
03-13-13 10:13 AM

FUEL ALARM
03-13-13 8:28 AM

SENSOR OUT ALARM
01-09-13 2:21 PM

* * * * *

* * * *

OUTPUT RELAY SETUP
- - - - - - - - - - - - - -

R 1:DIESEL
TYPE:
STANDARD
NORMALLY CLOSED

IN-TANK ALARMS
T 1:LEAK ALARM
T 1:PROBE OUT

LIQUID SENSOR ALMS
L 1:FUEL ALARM
L 1:SENSOR OUT ALARM
L 1:SHORT ALARM

R 2:UNLEADED
TYPE:
STANDARD
NORMALLY CLOSED

IN-TANK ALARMS
T 2:LEAK ALARM
T 2:HIGH WATER ALARM
T 2:PROBE OUT

LIQUID SENSOR ALMS
L 2:FUEL ALARM
L 2:SENSOR OUT ALARM
ALL:WATER ALARM

R 3:PREMIUM
TYPE:
STANDARD
NORMALLY CLOSED

IN-TANK ALARMS
T 3:LEAK ALARM
T 3:HIGH WATER ALARM
T 3:PROBE OUT

LIQUID SENSOR ALMS
L 3:FUEL ALARM
L 3:SENSOR OUT ALARM
L 3:SHORT ALARM

SMARTSENSOR SETUP
- - - - - - - - - - - - - -

s 1:PRESSURE SENSOR
CATEGORY VAPOR PRESSURE

s 2:VR CANISTER
CATEGORY VAPOR VALVE

s 8:ATM P-SENSOR
CATEGORY ATM P SENSOR

PMC SETUP

R 3:REGULAR SHUTDOWN
TYPE:
STANDARD
NORMALLY CLOSED

IN-TANK ALARMS
T 4:HIGH WATER ALARM
T 4:LOW PRODUCT ALARM
T 4:SUDDEN LOSS ALARM

LIQUID SENSOR ALMS
L12:FUEL ALARM
L13:FUEL ALARM
L14:FUEL ALARM
L15:FUEL ALARM
L16:FUEL ALARM
L17:FUEL ALARM
L18:FUEL ALARM
L19:FUEL ALARM
L20:FUEL ALARM
ALL:SENSOR OUT ALARM
L12:SHORT ALARM
L13:SHORT ALARM
L14:SHORT ALARM
L15:SHORT ALARM
L16:SHORT ALARM
L17:SHORT ALARM
L18:SHORT ALARM
L19:SHORT ALARM
L20:SHORT ALARM

SMARTSENSOR SETUP

s 5:DISP 5-6PS
CATEGORY VAPOR PRESSURE

s 6:CARBON CANNISTER
CATEGORY VAPOR VALVE

s 8:ATM P SENSOR
CATEGORY ATM P SENSOR

PMC SETUP

PMC VERSION: 01.02

VAPOR PROCESSOR TYPE
VEEDER-ROOT POLISHER

ANALYSIS TIMES
TIME: 11:59 PM
DELAY MINUTES: 1

IN-TANK ALARMS
T 3:HIGH WATER ALARM

LIQUID SENSOR ALMS
L 1:FUEL ALARM
L 2:FUEL ALARM
L 3:FUEL ALARM
L 4:FUEL ALARM
L 5:FUEL ALARM
L 6:FUEL ALARM
L 7:FUEL ALARM
L 8:FUEL ALARM
L 9:FUEL ALARM
L10:FUEL ALARM
L11:FUEL ALARM
ALL:SENSOR OUT ALARM
L 1:SHORT ALARM
L 2:SHORT ALARM
L 3:SHORT ALARM
L 4:SHORT ALARM
L 5:SHORT ALARM
L 6:SHORT ALARM
L 7:SHORT ALARM
L 8:SHORT ALARM
L 9:SHORT ALARM
L10:SHORT ALARM
L11:SHORT ALARM

R 4:OVER FILL ALARM
TYPE:
STANDARD
NORMALLY OPEN

IN-TANK ALARMS
ALL:OVERFILL ALARM

R 5:PREMIUM SHUTDOWN
TYPE:
STANDARD
NORMALLY CLOSED

IN-TANK ALARMS
T 5:HIGH WATER ALARM
T 5:LOW PRODUCT ALARM
T 5:SUDDEN LOSS ALARM

LIQUID SENSOR ALMS
L12:FUEL ALARM
L13:FUEL ALARM
L14:FUEL ALARM
L15:FUEL ALARM
L16:FUEL ALARM
L17:FUEL ALARM
L18:FUEL ALARM
L19:FUEL ALARM
L20:FUEL ALARM
ALL:SENSOR OUT ALARM
L12:SHORT ALARM
L13:SHORT ALARM
L14:SHORT ALARM
L15:SHORT ALARM
L16:SHORT ALARM
L17:SHORT ALARM
L18:SHORT ALARM
L19:SHORT ALARM
L20:SHORT ALARM

T 3:PREMIUM
PRODUCT CODE : 3
THERMAL COEFF : .000700
TANK DIAMETER : 96.00
TANK PROFILE : 4 PTS
FULL VOL : 11783
71.3 INCH VOL : 9518
47.5 INCH VOL : 5892
23.8 INCH VOL : 2314
METER DATA : NO

FLOAT SIZE: 2.0 IN.

WATER WARNING : 1.0
HIGH WATER LIMIT: 2.0

MAX OR LABEL VOL: 11783
OVERFILL LIMIT : 90%
HIGH PRODUCT : 95%
: 10604
DELIVERY LIMIT : 10%
: 11193
: 11178

LOW PRODUCT : 500
LEAK ALARM LIMIT: 99
SUDDEN LOSS LIMIT: 99
TANK TILT : 1.00
PROBE OFFSET : 0.00

SIPHON MANIFOLDED TANKS
T#: NONE
LINE MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 10%
: 11178
LEAK MIN ANNUAL : 10%
: 11178

PERIODIC TEST TYPE
STANDARD

TEST FAIL
ALARM DISABLED

* * * * * END * * * * *

ALARM HISTORY REPORT
---------- SYSTEM ALARM ----------
PAPER OUT 01-21-13 1:21 PM
PRINTER ERROR 01-21-13 1:31 PM

* * * * * END * * * * *

ALARM HISTORY REPORT
---------- IN-TANK ALARM ----------
T 1:DIESEL1
HIGH PRODUCT ALARM 01-09-13 2:4
INVALID FUEL LEVEL 03-05-13 12:0
02-19-13 7:1
02-12-13 5:0

T 2:DIESEL2
LOW PRODUCT A 12-29-12
HIGH PRODUCT 01-09-13
INVALID FUEL 12-28-12
09-06-12

3:DIESEL3
PRODUCT CODE : 3
THERMAL COEFF : .000450
TANK DIAMETER : 96.00
TANK PROFILE : 4 PTS
FULL VOL : 12033
72.0 INCH VOL : 9680
48.0 INCH VOL : 6016
24.0 INCH VOL : 2352

FLOAT SIZE: 4.0 IN.

WATER WARNING : 3.0
HIGH WATER LIMIT: 2.0

MAX OR LABEL VOL: 12033
OVERFILL LIMIT : 90%
: 10829
HIGH PRODUCT : 95%
: 11431
DELIVERY LIMIT : 15%
: 1804

LOW PRODUCT : 800
LEAK ALARM LIMIT: 99
SUDDEN LOSS LIMIT: 99
TANK TILT : 2.50
PROBE OFFSET : 0.00

SIPHON MANIFOLDED TANKS
T#: NONE
LINE MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 0%
: 0

LEAK MIN ANNUAL : 0%
: 0

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 3 MIN
PUMP THRESHOLD : 10.00%

IN-TANK SETUP

T 1:DIESEL1
PRODUCT CODE : 1
THERMAL COEFF : .000450
TANK DIAMETER : 96.00
TANK PROFILE : 4 PTS
FULL VOL : 12033
72.0 INCH VOL : 9680
48.0 INCH VOL : 6016
24.0 INCH VOL : 2352

FLOAT SIZE: 4.0 IN.

WATER WARNING : 5.0
HIGH WATER LIMIT: 5.0

MAX OR LABEL VOL: 12033
OVERFILL LIMIT : 90%
: 10829
HIGH PRODUCT : 95%
: 11431
DELIVERY LIMIT : 1%
: 120

LOW PRODUCT : 800
LEAK ALARM LIMIT: 99
SUDDEN LOSS LIMIT: 99
TANK TILT : 15.00
PROBE OFFSET : 0.00

SIPHON MANIFOLDED TANKS
T#: NONE
LINE MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 0%
: 0

LEAK MIN ANNUAL : 0%
: 0

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 3 MIN
PUMP THRESHOLD : 10.00%

SYSTEM SETUP
03-13-13 11:34 A

SYSTEM UNITS
U.S.
SYSTEM LANGUAGE
ENGLISH
SYSTEM DATE/TIME FORM
MM-DD-YY HH:MM:SS AM
GAS AMERICA
16900 HWY 14
MOJAVE, CA 93501
661-824-4675

SHIFT TIME 1 : 7:00 AM
SHIFT TIME 2 : DISABLED
SHIFT TIME 3 : DISABLED
SHIFT TIME 4 : DISABLED

TANK PER TST NEEDED WRN
DISABLED
TANK ANN TST NEEDED WRN
DISABLED
LINE RE-ENABLE METHOD
PASS LINE TEST
LINE PER TST NEEDED WRN
DISABLED
LINE ANN TST NEEDED WRN
DISABLED
PRINT TO VOLUMES
ENABLED
TEMP COMPENSATION
VALUE (DEG F): 60.0
STICK HEIGHT OFFSET
DISABLED
ULLAGE: 90%

H-PROTOCOL DATA FORMAT
HEIGHT
DAYLIGHT SAVING TIME
DISABLED
RE-DIRECT LOCAL PRINTOUT
DISABLED
EURO PROTOCOL PREFIX
S

SYSTEM SECURITY
CODE : 000000

MAINTENANCE HISTORY
DISABLED

TANK CHART SECURITY
DISABLED

CUSTOM ALARMS
DISABLED

SERVICE NOTICE
DISABLED

ISO 3166 COUNTRY
CODE:

ANNUAL [illegible]

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

RECON WARN LIMIT: 0
RECON ALM LIMIT: 1

DELIVERY DELAY : 1 MIN
PUMP THRESHOLD : 10.00%

LEAK TEST METHOD
- - - - - - - - - - - - - -
TEST CSLD : ALL TANK
Pd = 95%
CLIMATE FACTOR:MODERATE

REPORT ONLY:
DISABLED

TST EARLY STOP:ENABLED

LEAK TEST REPORT FORMAT
ENHANCED

LIQUID SENSOR SETUP
- - - - - - - - - - - - - -

L 1:DIESEL STP
TRI-STATE (SINGLE FLOAT)
CATEGORY : STP SUMP

L 2:UNLEADED STP
TRI-STATE (SINGLE FLOAT)
CATEGORY : STP SUMP

L 3:PREMIUM STP
TRI-STATE (SINGLE FLOAT)
CATEGORY : STP SUMP

T 2:UNLEADED
PRODUCT CODE : 2
THERMAL COEFF : .000700
TANK DIAMETER : 95.00
TANK PROFILE : 4 PTS
FULL VOL : 11783
71.3 INCH VOL : 9518
47.5 INCH VOL : 5892
23.8 INCH VOL : 2314
METER DATA : NO

FLOAT SIZE: 2.0 IN.

WATER WARNING : 1.0
HIGH WATER LIMIT: 2.0

MAX OR LABEL VOL: 11783
OVERFILL LIMIT : 90%
: 10604
HIGH PRODUCT : 95%
: 11193
DELIVERY LIMIT : 10%
: 1178

LOW PRODUCT : 500
LEAK ALARM LIMIT: 99
SUDDEN LOSS LIMIT: 99
TANK TILT : 1.50
PROBE OFFSET : 0.00

SIPHON MANIFOLDED TANKS
T#: NONE
LINE MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 10%
: 1178

LEAK MIN ANNUAL : 10%
: 1178

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

RECON WARN LIMIT: 0
RECON ALM LIMIT: 1

DELIVERY DELAY : 1 MIN
PUMP THRESHOLD : 10.00%

[illegible]ISABLED
[illegible]MASS/DENSITY

[illegible]SO 3166 COUNTRY
[illegible]ODE:

[illegible]ISABLED
[illegible]ERVICE NOTICE

[illegible]ISABLED
[illegible]USTOM ALARMS

[illegible]ANK CHART SECURITY
ISABLED

[illegible]AINTENANCE HISTORY
ISABLED

[illegible]YSTEM SECURITY
[illegible]ODE : 000000

[illegible]ISABLED
[illegible]AYLIGHT SAVING TIME
NABLED
[illegible]PLD MONTHLY PRINTOUT
[illegible]LAGE: 90%
ISABLED
[illegible]TICK HEIGHT OFFSET
[illegible]ALUE (DEG F): 60.0
[illegible]EMP COMPENSATION

[illegible]ABLED
[illegible]RINT TO VOLUMES

[illegible]ISABLED
[illegible]NE ANN TST NEEDED WRN

[illegible]SABLED
[illegible]NE PER TST NEEDED WRN

[illegible]NE RE-ENABLE METHOD
[illegible]SS LINE TEST

[illegible]ABLED
[illegible]NK PER TST NEEDED WRN
[illegible]AYS = 25
[illegible]NK PER TST NEEDED ALM
[illegible]AYS = 30
[illegible]NK ANN TST NEEDED WRN
[illegible]SABLED

[illegible]IFT TIME 1 : 11:00 PM
[illegible]IFT TIME 2 : DISABLED
[illegible]IFT TIME 3 : DISABLED
[illegible]IFT TIME 4 : DISABLED

[illegible]1-824-3287
[illegible]JAVE,CA,93501
[illegible]190 N.SIERRA HWY
[illegible]JAVE MOBIL

[illegible]N DD YYYY HH:MM:SS AM
[illegible]ATE/TIME FORMAT
[illegible]NGLISH
[illegible]YSTEM LANGUAGE
[illegible]YSTEM UNITS

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 1:DIESEL STP
STP SUMP
SENSOR OUT ALARM
MAR 13, 2013 12:32 PM

FUEL ALARM
MAR 13, 2013 12:17 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- IN-TANK ALARM -----
T 1:DIESEL
LOW PRODUCT ALARM
MAR 11, 2013 5:44 PM
MAR 7, 2013 4:27 PM
FEB 26, 2013 2:41 PM

INVALID FUEL LEVEL
MAR 11, 2013 5:47 PM
MAR 7, 2013 4:34 PM
FEB 26, 2013 2:43 PM

DELIVERY NEEDED
MAR 11, 2013 2:12 PM
MAR 7, 2013 12:09 PM
FEB 26, 2013 9:30 AM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 2:UNLEADED STP
STP SUMP
SENSOR OUT ALARM
MAR 13, 2013 12:32 PM

FUEL ALARM
MAR 13, 2013 12:18 PM

ALARM HISTORY REPORT

----- IN-TANK ALARM -----
T 1:DIESEL
LOW PRODUCT ALARM
MAR 11, 2013 5:44 PM
MAR 7, 2013 4:27 PM
FEB 26, 2013 2:41 PM

INVALID FUEL LEVEL
MAR 11, 2013 5:47 PM
MAR 7, 2013 4:34 PM
FEB 26, 2013 2:43 PM

DELIVERY NEEDED
MAR 11, 2013 2:12 PM
MAR 7, 2013 12:09 PM
FEB 26, 2013 9:30 AM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 3:PREMIUM STP
STP SUMP
SENSOR OUT ALARM
MAR 13, 2013 12:32 PM

FUEL ALARM
MAR 13, 2013 12:18 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SYSTEM ALARM -----
PAPER OUT
FEB 9, 2013 7:17 PM
PRINTER ERROR
FEB 9, 2013 7:17 PM

1 of 2

MONITORING SYSTEM CERTIFICATION

For Use By All Jurisdictions Within the State of California
Authority Cited: Chapter 6.7, Health and Safety Code; Chapter 16, Division 3, Title 23, California Code of Regulations

This form must be used to document testing and servicing of monitoring equipment. A separate certification or report must be prepared for each monitoring system control panel by the technician who performs the work. A copy of this form must be provided to the tank system owner/operator. The owner/operator must submit a copy of this form to the local agency regulating UST systems within 30 days of test date.

A. General Information

Facility Name: CEBEL SHELL Bldg. No.:
Site Address: 9069 Grapevine Rd. City: Cebel Zip:
Facility Contact Person: Shawn Contact Phone No.: ( )
Make/Model of Monitoring System: TLS-350 Date of Testing/Servicing: 2/10/12

B. Inventory of Equipment Tested/Certified

Check the appropriate boxes to indicate specific equipment inspected/serviced:

Tank ID: T-1
- [X] In-Tank Gauging Probe. Model: Mag
- [X] Annular Space or Vault Sensor. Model: W.A.
- [X] Piping Sump / Trench Sensor(s). Model: 208
- [X] Fill Sump Sensor(s). Model: 208
- [ ] Mechanical Line Leak Detector. Model:
- [X] Electronic Line Leak Detector. Model: VR
- [X] Tank Overfill / High-Level Sensor. Model: O.A.
- [ ] Other (specify equipment type and model in Section E on Page 2).

Tank ID: T-2
- [X] In-Tank Gauging Probe. Model: Mag
- [X] Annular Space or Vault Sensor. Model: W.A.
- [X] Piping Sump / Trench Sensor(s). Model: 208
- [X] Fill Sump Sensor(s). Model: 208
- [X] Mechanical Line Leak Detector. Model: FX
- [ ] Electronic Line Leak Detector. Model:
- [X] Tank Overfill / High-Level Sensor. Model: OA
- [ ] Other (specify equipment type and model in Section E on Page 2).

Tank ID: T-3
- [X] In-Tank Gauging Probe. Model: Mag
- [X] Annular Space or Vault Sensor. Model: W.A.
- [X] Piping Sump / Trench Sensor(s). Model: 208
- [X] Fill Sump Sensor(s). Model: 204
- [ ] Mechanical Line Leak Detector. Model:
- [X] Electronic Line Leak Detector. Model: VR
- [X] Tank Overfill / High-Level Sensor. Model: O.A.
- [ ] Other (specify equipment type and model in Section E on Page 2).

Tank ID: T-4
- [X] In-Tank Gauging Probe. Model: Mag
- [X] Annular Space or Vault Sensor. Model: W.A.
- [X] Piping Sump / Trench Sensor(s). Model: 204
- [X] Fill Sump Sensor(s). Model: 204
- [X] Mechanical Line Leak Detector. Model: RJ
- [ ] Electronic Line Leak Detector. Model:
- [X] Tank Overfill / High-Level Sensor. Model: O.A.
- [ ] Other (specify equipment type and model in Section E on Page 2).

Dispenser ID: #1 #2
- [X] Dispenser Containment Sensor(s). Model: VR Shallow
- [X] Shear Valve(s).
- [ ] Dispenser Containment Float(s) and Chain(s).

Dispenser ID: #7 #8
- [X] Dispenser Containment Sensor(s). Model: VR S.
- [X] Shear Valve(s).
- [ ] Dispenser Containment Float(s) and Chain(s).

Dispenser ID: #3 #4
- [X] Dispenser Containment Sensor(s). Model: V.R.S.
- [X] Shear Valve(s).
- [ ] Dispenser Containment Float(s) and Chain(s).

Dispenser ID: #9 #10
- [X] Dispenser Containment Sensor(s). Model: VR S.
- [X] Shear Valve(s).
- [ ] Dispenser Containment Float(s) and Chain(s).

Dispenser ID: #5 #6
- [X] Dispenser Containment Sensor(s). Model: VR S.
- [X] Shear Valve(s).
- [ ] Dispenser Containment Float(s) and Chain(s).

Dispenser ID: #11 #12
- [X] Dispenser Containment Sensor(s). Model: VR S.
- [X] Shear Valve(s).
- [ ] Dispenser Containment Float(s) and Chain(s).

*If the facility contains more tanks or dispensers, copy this form. Include information for every tank and dispenser at the facility.

C. Certification

I certify that the equipment identified in this document was inspected/serviced in accordance with the manufacturers' guidelines. Attached to this Certification is information (e.g. manufacturers' checklists) necessary to verify that this information is correct and a Plot Plan showing the layout of monitoring equipment. For any equipment capable of generating such reports, I have also attached a copy of the report; *(check all that apply)*: [ ] System set-up [ ] Alarm history report

Technician Name (print): P. Zamora Signature:
Certification No.: T 32512 License No.: 901427
Testing Company Name: RJ Environmental Phone No.: (559) 999-0737
Testing Company Address: Clovis Date of Testing/Servicing: 2/10/12

WA = Wrap Around
OA = Overfill Alarm

2 of 2

MONITORING SYSTEM CERTIFICATION

For Use By All Jurisdictions Within the State of California
Authority Cited: Chapter 6.7, Health and Safety Code; Chapter 16, Division 3, Title 23, California Code of Regulations

This form must be used to document testing and servicing of monitoring equipment. A separate certification or report must be prepared for each monitoring system control panel by the technician who performs the work. A copy of this form must be provided to the tank system owner/operator. The owner/operator must submit a copy of this form to the local agency regulating UST systems within 30 days of test date.

A. General Information

Facility Name: Same Bldg. No.:
Site Address: City: Zip:
Facility Contact Person: Contact Phone No.: ( )
Make/Model of Monitoring System: Date of Testing/Servicing:

B. Inventory of Equipment Tested/Certified

Check the appropriate boxes to indicate specific equipment inspected/serviced:

Tank ID: T-5

- [X] In-Tank Gauging Probe. Model: MAG
- [X] Annular Space or Vault Sensor. Model: Veeder Root
- [X] Piping Sump / Trench Sensor(s). Model: 208
- [X] Fill Sump Sensor(s). Model: 208
- [ ] Mechanical Line Leak Detector. Model:
- [X] Electronic Line Leak Detector. Model: VR
- [X] Tank Overfill / High-Level Sensor. Model: OverRun
- [ ] Other (specify equipment type and model in Section E on Page 2).

Tank ID: T-6 Waste Oil

- [X] In-Tank Gauging Probe. Model: MAG
- [X] Annular Space or Vault Sensor. Model: Veeder Root
- [X] Piping Sump / Trench Sensor(s). Model: 208
- [ ] Fill Sump Sensor(s). Model:
- [ ] Mechanical Line Leak Detector. Model:
- [ ] Electronic Line Leak Detector. Model:
- [X] Tank Overfill / High-Level Sensor. Model: TLS overfill alm
- [ ] Other (specify equipment type and model in Section E on Page 2).

Tank ID:

- [ ] In-Tank Gauging Probe. Model:
- [ ] Annular Space or Vault Sensor. Model:
- [ ] Piping Sump / Trench Sensor(s). Model:
- [ ] Fill Sump Sensor(s). Model:
- [ ] Mechanical Line Leak Detector. Model:
- [ ] Electronic Line Leak Detector. Model:
- [ ] Tank Overfill / High-Level Sensor. Model:
- [ ] Other (specify equipment type and model in Section E on Page 2).

Tank ID:

- [ ] In-Tank Gauging Probe. Model:
- [ ] Annular Space or Vault Sensor. Model:
- [ ] Piping Sump / Trench Sensor(s). Model:
- [ ] Fill Sump Sensor(s). Model:
- [ ] Mechanical Line Leak Detector. Model:
- [ ] Electronic Line Leak Detector. Model:
- [ ] Tank Overfill / High-Level Sensor. Model:
- [ ] Other (specify equipment type and model in Section E on Page 2).

Dispenser ID:

- [ ] Dispenser Containment Sensor(s). Model:
- [ ] Shear Valve(s).
- [ ] Dispenser Containment Float(s) and Chain(s).

Dispenser ID:

- [ ] Dispenser Containment Sensor(s). Model:
- [ ] Shear Valve(s).
- [ ] Dispenser Containment Float(s) and Chain(s).

Dispenser ID:

- [ ] Dispenser Containment Sensor(s). Model:
- [ ] Shear Valve(s).
- [ ] Dispenser Containment Float(s) and Chain(s).

Dispenser ID:

- [ ] Dispenser Containment Sensor(s). Model:
- [ ] Shear Valve(s).
- [ ] Dispenser Containment Float(s) and Chain(s).

Dispenser ID:

- [ ] Dispenser Containment Sensor(s). Model:
- [ ] Shear Valve(s).
- [ ] Dispenser Containment Float(s) and Chain(s).

Dispenser ID:

- [ ] Dispenser Containment Sensor(s). Model:
- [ ] Shear Valve(s).
- [ ] Dispenser Containment Float(s) and Chain(s).

*If the facility contains more tanks or dispensers, copy this form. Include information for every tank and dispenser at the facility.

C. Certification - I certify that the equipment identified in this document was inspected/serviced in accordance with the manufacturers' guidelines. Attached to this Certification is information (e.g. manufacturers' checklists) necessary to verify that this information is correct and a Plot Plan showing the layout of monitoring equipment. For any equipment capable of generating such reports, I have also attached a copy of the report; *(check all that apply)*: [ ] System set-up [ ] Alarm history report

Technician Name (print): Signature:
Certification No: License No:
Testing Company Name: Phone No.: ( )
Testing Company Address: Date of Testing/Servicing:

Monitoring System Certification

D. Results of Testing/Servicing

Software Version Installed: _____

Complete the following checklist:

☒ Yes	☐ No*	Is the audible alarm operational?
☒ Yes	☐ No*	Is the visual alarm operational?
L-6 ☒ Yes	☒ No*	Were all sensors visually inspected, functionally tested, and confirmed operational?
L-6 ☒ Yes	☒ No*	Were all sensors installed at lowest point of secondary containment and positioned so that other equipment will not interfere with their proper operation?
☐ Yes	☐ No* ☒ N/A	If alarms are relayed to a remote monitoring station, is all communications equipment (e.g., modem) operational?
☒ Yes	☐ No* ☐ N/A	For pressurized piping systems, does the turbine automatically shut down if the piping secondary containment monitoring system detects a leak, fails to operate, or is electrically disconnected? If yes: which sensors initiate positive shut-down? *(Check all that apply)* ☒ Sump/Trench Sensors; ☐ Dispenser Containment Sensors. Did you confirm positive shut-down due to leaks and sensor failure/disconnection? ☒ Yes; ☐ No.
☒ Yes	☐ No* ☐ N/A	For tank systems that utilize the monitoring system as the primary tank overfill warning device (i.e., no mechanical overfill prevention valve is installed), is the overfill warning alarm visible and audible at the tank fill point(s) and operating properly? If so, at what percent of tank capacity does the alarm trigger? 95 %
☐ Yes*	☒ No	Was any monitoring equipment replaced? If yes, identify specific sensors, probes, or other equipment replaced and list the manufacturer name and model for all replacement parts in Section E, below.
☐ Yes*	☒ No	Was liquid found inside any secondary containment systems designed as dry systems? *(Check all that apply)* ☐ Product; ☐ Water. If yes, describe causes in Section E, below.
☒ Yes	☐ No*	Was monitoring system set-up reviewed to ensure proper settings? Attach set up reports, if applicable
☒ Yes	☐ No*	Is all monitoring equipment operational per manufacturer's specifications?

*** In Section E below, describe how and when these deficiencies were or will be corrected.**

E. Comments:

Rope was not around waste O-i Annular
wood to be reinstalled

Monitoring System Certification

F. In-Tank Gauging / SIR Equipment:

☐ Check this box if tank gauging is used only for inventory control.
☐ Check this box if no tank gauging or SIR equipment is installed.

This section must be completed if in-tank gauging equipment is used to perform leak detection monitoring.

Complete the following checklist:

☒ Yes	☐ No*	Has all input wiring been inspected for proper entry and termination, including testing for ground faults?
☒ Yes	☐ No*	Were all tank gauging probes visually inspected for damage and residue buildup?
☒ Yes	☐ No*	Was accuracy of system product level readings tested?
☒ Yes	☐ No*	Was accuracy of system water level readings tested?
☒ Yes	☐ No*	Were all probes reinstalled properly?
☒ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

*** In Section H, below, describe how and when these deficiencies were or will be corrected.**

G. Line Leak Detectors (LLD):

☐ Check this box if LLDs are not installed.

Complete the following checklist:

☒ Yes	☐ No* ☐ N/A	For equipment start-up or annual equipment certification, was a leak simulated to verify LLD performance? *(Check all that apply)* Simulated leak rate: ☒ 3 g.p.h.; ☐ 0.1 g.p.h; ☐ 0.2 g.p.h.
☒ Yes	☒ No*	Were all LLDs confirmed operational and accurate within regulatory requirements?
☒ Yes	☐ No*	Was the testing apparatus properly calibrated?
☐ Yes	☒ No* ☐ N/A	For mechanical LLDs, does the LLD restrict product flow if it detects a leak?
☒ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if the LLD detects a leak?
☒ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system is disabled or disconnected?
☒ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system malfunctions or fails a test?
☒ Yes	☐ No* ☐ N/A	For electronic LLDs, have all accessible wiring connections been visually inspected?
☒ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

*** In Section H, below, describe how and when these deficiencies were or will be corrected.**

H. Comments:

Found M. LD not working due to fact that the ELEC. LD shuts the line down when it sees a leak.

Diesel G. LD does not work

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9. SPILL/OVERFILL CONTAINMENT BOXES

Facility is Not Equipped With Spill/Overfill Containment Boxes ☐				
Spill/Overfill Containment Boxes are Present, but were Not Tested ☐				
Test Method Developed By:	☐ Spill Bucket Manufacturer	☒ Industry Standard	☐ Professional Engineer	☐ Other *(Specify)*
Test Method Used:	☐ Pressure	☐ Vacuum	☒ Hydrostatic	☐ Other *(Specify)*
Test Equipment Used: Visual			Equipment Resolution:	

	T-1 Spill Box #	T-2 Spill Box #	T-3 Spill Box #	T-4 Spill Box #
Bucket Diameter:	12"	12"	12"	12"
Bucket Depth:	14"	14"	14"	14"
Wait time between applying pressure/vacuum/water and starting test:	—	—	—	—
Test Start Time:	11 am	11 am	11 am	11 am
Initial Reading (R_I):	12"	12"	12"	12"
Test End Time:	12 pm	12 pm	12 pm	12 pm
Final Reading (R_F):	12"	12"	12"	12"
Test Duration:	1 HR	1 HR	1 HR	1 HR
Change in Reading (R_F-R_I):	0	0	0	0
Pass/Fail Threshold or Criteria:	+/- .002	→	→	→
Test Result:	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☒ Pass ☐ Fail

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

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9. SPILL/OVERFILL CONTAINMENT BOXES

Facility is Not Equipped With Spill/Overfill Containment Boxes ☐				
Spill/Overfill Containment Boxes are Present, but were Not Tested ☐				
Test Method Developed By:	☐ Spill Bucket Manufacturer ☒ Industry Standard ☐ Professional Engineer ☐ Other *(Specify)*			
Test Method Used:	☐ Pressure ☐ Vacuum ☒ Hydrostatic ☐ Other *(Specify)*			
Test Equipment Used: Visual			Equipment Resolution:	
	T-5 Spill Box #	T-6 Spill Box #	Spill Box #	Spill Box #
Bucket Diameter:	12"	12"		
Bucket Depth:	14"	14"		
Wait time between applying pressure/vacuum/water and starting test:	—	—		
Test Start Time:	11:00am	11:00am		
Initial Reading (R_I):	12"	12"		
Test End Time:	12:00pm	12:00pm		
Final Reading (R_F):	12"	12"		
Test Duration:	1 HR	1 HR		
Change in Reading (R_F-R_I):	Ø	Ø		
Pass/Fail Threshold or Criteria:	± .002	± .002		
Test Result:	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

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Secondary Containment Testing Report Form

This form is intended for use by contractors performing periodic testing of UST secondary containment systems. Use the appropriate pages of this form to report results for all components tested. The completed form, written test procedures, and printouts from tests (if applicable), should be provided to the facility owner/operator for submittal to the local regulatory agency.

1. FACILITY INFORMATION

Facility Name: LEBEC SHELL	Date of Testing: 1/2/12
Facility Address: 9069 Grapevine Rd. LEBEC, CA.	
Facility Contact: SHAWN	Phone: (661) 322-4774
Date Local Agency Was Notified of Testing :	
Name of Local Agency Inspector *(if present during testing)*:	

2. TESTING CONTRACTOR INFORMATION

Company Name: RJ ENVIRONMENTAL	
Technician Conducting Test: RYAN	
Credentials: ☒ CSLB Licensed Contractor	☐ SWRCB Licensed Tank Tester
License Type: CLASS A	License Number: 901427

Manufacturer Training

Manufacturer	Component(s)	Date Training Expires
FIVCON	T5 - 5T5	5/12

3. SUMMARY OF TEST RESULTS

Component	Pass	Fail	Not Tested	Repairs Made	Component	Pass	Fail	Not Tested	Repairs Made
T-1 ANNULAR SUPER	☒	☐	☐	☐	T-4 pipe sump	☒	☐	☐	☐
T-2 ANNULAR UNLEAD	☒	☐	☐	☐	T-5 pipe sump	☒	☐	☐	☐
T-3 ANNULAR E.UNL	☒	☐	☐	☐	T-6 pipe sump	☒	☐	☐	☐
T-4 ANNULAR C. UNL	☒	☐	☐	☐	UDC #1 #2	☒	☐	☐	☐
T-5 ANNULAR DIESEL	☒	☐	☐	☐	UDC #3 #4	☒	☐	☐	☐
T-6 ANNULAR WASTE OIL	☒	☐	☐	☐	UDC #5 #6	☒	☐	☐	☐
SEC. PIPE UNLEAD	☒	☐	☐	☐	UDC #7 #8	☒	☐	☐	☐
SEC. PIPE SUPER	☒	☐	☐	☐	UDC #9 #10	☒	☐	☐	☐
SEC. PIPE DIESEL	☒	☐	☐	☐	UDC #11 #12	☒	☐	☐	☐
T-1 Pipe Sump	☒	☐	☐	☐	T-1 Fill Sump	☒	☐	☐	☐
T-2 Pipe Sump	☒	☐	☐	☐	T-2 Fill Sump	☐	☒	☐	☐
T-3 pipe sump	☒	☐	☐	☐	T-3 Fill sump	☒	☐	☐	☐

If hydrostatic testing was performed, describe what was done with the water after completion of tests:

transported on truck

CERTIFICATION OF TECHNICIAN RESPONSIBLE FOR CONDUCTING THIS TESTING

To the best of my knowledge, the facts stated in this document are accurate and in full compliance with legal requirements

Technician's Signature: _____ Date: 1/2/12

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Secondary Containment Testing Report Form

This form is intended for use by contractors performing periodic testing of UST secondary containment systems. Use the appropriate pages of this form to report results for all components tested. The completed form, written test procedures, and printouts from tests (if applicable), should be provided to the facility owner/operator for submittal to the local regulatory agency.

1. FACILITY INFORMATION

Facility Name: LeBec Shell	Date of Testing: 1/2/12
Facility Address: 9069 Grapevine Rd.	
Facility Contact: Shaw	Phone: 661-322-4774
Date Local Agency Was Notified of Testing :	
Name of Local Agency Inspector *(if present during testing)*:	

2. TESTING CONTRACTOR INFORMATION

Company Name: RJ Environmental	
Technician Conducting Test: Pedro	
Credentials: ☒ CSLB Licensed Contractor	☐ SWRCB Licensed Tank Tester
License Type: Class A	License Number: 901427

Manufacturer Training

Manufacturer	Component(s)	Date Training Expires
Incon	TS-SIS	1/2/12

3. SUMMARY OF TEST RESULTS

Component	Pass	Fail	Not Tested	Repairs Made	Component	Pass	Fail	Not Tested	Repairs Made
T-4 Fill Sump	☒	☐	☐	☐		☐	☐	☐	☐
T-5 Fill Sump	☒	☐	☐	☐		☐	☐	☐	☐
T-6 Fill Sump	☒	☐	☐	☐		☐	☐	☐	☐
	☐	☐	☐	☐		☐	☐	☐	☐
	☐	☐	☐	☐		☐	☐	☐	☐
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	☐	☐	☐	☐		☐	☐	☐	☐
	☐	☐	☐	☐		☐	☐	☐	☐

If hydrostatic testing was performed, describe what was done with the water after completion of tests:

CERTIFICATION OF TECHNICIAN RESPONSIBLE FOR CONDUCTING THIS TESTING

To the best of my knowledge, the facts stated in this document are accurate and in full compliance with legal requirements

Technician's Signature: _____ Date: 1/2/12

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4. TANK ANNULAR TESTING

Test Method Developed By:	☐ Tank Manufacturer ☒ Industry Standard ☐ Professional Engineer ☐ Other *(Specify)*			
Test Method Used:	☐ Pressure ☒ Vacuum ☐ Hydrostatic ☐ Other *(Specify)*			
Test Equipment Used: VAC Pump TEST SETUP		Equipment Resolution:		
	Tank # T-1	**Tank # T-2**	**Tank # T-3**	**Tank # T-4**
Is Tank Exempt From Testing?[1]	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No
Tank Capacity:	10,000 gal.	12,000 gal.	10,000 gal.	12,000 gal.
Tank Material:	Fiber Shell	→	→	→
Tank Manufacturer:	N/A	N/A	N/A	N/A
Product Stored:	SUPER	UNLEAD	UNLEAD	UNLEAD
Wait time between applying pressure/vacuum/water and starting test:	—	—	—	—
Test Start Time:	10:00 AM	10:00 AM	10:00 AM	10:00 AM
Initial Reading (R_I):	−14 Hg	−14 Hg	−14 Hg	−14 Hg
Test End Time:	11:00 AM	11:00 AM	11:00 AM	11:00 AM
Final Reading (R_F):	−14 Hg	−14 Hg	−14 Hg	−14 Hg
Test Duration:	1 HR	1 HR	1 HR	1 HR.
Change in Reading (R_F-R_I):	0	0	0	0
Pass/Fail Threshold or Criteria:	—	—	—	—
Test Result:	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☒ Pass ☐ Fail
Was sensor removed for testing?	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA
Was sensor properly replaced and verified functional after testing?	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

[1] Secondary containment systems where the continuous monitoring automatically monitors both the primary and secondary containment, such as systems that are hydrostatically monitored or under constant vacuum, are exempt from periodic containment testing. {California Code of Regulations, Title 23, Section 2637(a)(6)}

4. TANK ANNULAR TESTING

Test Method Developed By:	☐ Tank Manufacturer ☒ Industry Standard ☐ Professional Engineer ☐ Other *(Specify)*		
Test Method Used:	☐ Pressure ☒ Vacuum ☐ Hydrostatic ☐ Other *(Specify)*		
Test Equipment Used: VAC pump + Test Setup		Equipment Resolution:	

	Tank # T-5	Tank # T-6	Tank #	Tank #
Is Tank Exempt From Testing?[1]	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☐ No	☐ Yes ☐ No
Tank Capacity:	10,000 gal	500 gal		
Tank Material:	Fiber Steel	→		
Tank Manufacturer:	N/A	N/A		
Product Stored:	Diesel	waste oil		
Wait time between applying pressure/vacuum/water and starting test:	—	—		
Test Start Time:	11:50 a	11:50 a		
Initial Reading (R_I):	-14 Hg	-14 Hg		
Test End Time:	12:50 p	12:50 p		
Final Reading (R_F):	-14 Hg	-14 Hg		
Test Duration:	1 Hr	1 Hr		
Change in Reading (R_F-R_I):	0	0		
Pass/Fail Threshold or Criteria:	—	—		
Test Result:	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail
Was sensor removed for testing?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA
Was sensor properly replaced and verified functional after testing?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

[1] Secondary containment systems where the continuous monitoring automatically monitors both the primary and secondary containment, such as systems that are hydrostatically monitored or under constant vacuum, are exempt from periodic containment testing. {California Code of Regulations, Title 23, Section 2637(a)(6)}

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5. SECONDARY PIPE TESTING

Test Method Developed By:	☐ Piping Manufacturer	☒ Industry Standard	☐ Professional Engineer
	☐ Other *(Specify)*		
Test Method Used:	☒ Pressure	☐ Vacuum	☐ Hydrostatic
	☐ Other *(Specify)*		
Test Equipment Used:	AC + TEST SETUP	Equipment Resolution:	

	Piping Run # UNL	Piping Run # SUP	Piping Run # DIESEL	Piping Run #
Piping Material:	FIBERGLASS	→	→	
Piping Manufacturer:	LCK	LCK	LCK	
Piping Diameter:	2"	2"	2"	
Length of Piping Run:	Approx 300'	300'	300'	
Product Stored:	UNLEAD	SUPER	DIESEL	
Method and location of piping-run isolation:	—	—	—	
Wait time between applying pressure/vacuum/water and starting test:	—	—	—	
Test Start Time:	9:45A	9:46A	9:45A	
Initial Reading (R_I):	5 psi	5 psi	5 psi	
Test End Time:	10:45A	10:45A	10:45A	
Final Reading (R_F):	5 psi	5 psi	5 psi	
Test Duration:	1 HR	1 HR	1 HR	
Change in Reading (R_F-R_I):	0	0	0	
Pass/Fail Threshold or Criteria:	—	—	—	
Test Result:	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☐ Pass ☐ Fail

Comments -- *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

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6. PIPING SUMP TESTING

Test Method Developed By:	☐ Sump Manufacturer ☒ Industry Standard ☐ Professional Engineer ☐ Other *(Specify)*		
Test Method Used:	☐ Pressure ☐ Vacuum ☒ Hydrostatic ☐ Other *(Specify)*		
Test Equipment Used:	TXCOM	Equipment Resolution:	

	Sump # T-1	Sump # T-2	Sump # T-3	Sump # T-4
Sump Diameter:	42"	42"	42"	42"
Sump Depth:	106"	67"	100"	100"
Sump Material:	Fiberglass →			
Height from Tank Top to Top of Highest Piping Penetration:	50"	15"	57"	48"
Height from Tank Top to Lowest Electrical Penetration:	60"	21"	69"	48"
Condition of sump prior to testing:	OK	OK	OK	OK
Portion of Sump Tested[1]	2" Hanna product line →			
Does turbine shut down when sump sensor detects liquid (both product and water)?*	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA
Turbine shutdown response time	5 SEC.	5 SEC.	5 SEC.	5 SEC.
Is system programmed for fail-safe shutdown?*	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA
Was fail-safe verified to be operational?*	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA
Wait time between applying pressure/vacuum/water and starting test:	—	—	—	—
Test Start Time:				
Initial Reading (R_I):				
Test End Time:				
Final Reading (R_F):				
Test Duration:				
Change in Reading (R_F-R_I):				
Pass/Fail Threshold or Criteria:				
Test Result:	☐ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail
Was sensor removed for testing?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA
Was sensor properly replaced and verified functional after testing?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

[1] If the entire depth of the sump is not tested, specify how much was tested. If the answer to any of the questions indicated with an asterisk (*) is "NO" or "NA", the entire sump must be tested. (See SWRCB LG-160)

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6. PIPING SUMP TESTING

Test Method Developed By:	☐ Sump Manufacturer ☐ Other (Specify)	☒ Industry Standard	☐ Professional Engineer	
Test Method Used:	☐ Pressure ☐ Other (Specify)	☐ Vacuum	☒ Hydrostatic	
Test Equipment Used:	INCON		Equipment Resolution:	

	Sump # T-5	Sump # T-6	Sump #	Sump #
Sump Diameter:	42"	36"		
Sump Depth:	97"	48"		
Sump Material:	Fiberglass →			
Height from Tank Top to Top of Highest Piping Penetration:	47"	N/A		
Height from Tank Top to Lowest Electrical Penetration:	48"	24"		
Condition of sump prior to testing:	ok	OK		
Portion of Sump Tested[1]	2" above product line			
Does turbine shut down when sump sensor detects liquid (both product and water)?*	☒ Yes ☐ No ☐ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA
Turbine shutdown response time	5 sec.	N/A		
Is system programmed for fail-safe shutdown?*	☒ Yes ☐ No ☐ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA
Was fail-safe verified to be operational?*	☒ Yes ☐ No ☐ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA
Wait time between applying pressure/vacuum/water and starting test:	—	—		
Test Start Time:		2:56 pm		
Initial Reading (R_I):		1.7651		
Test End Time:		3:11 pm		
Final Reading (R_F):		1.7660		
Test Duration:		15 min		
Change in Reading (R_F-R_I):		.0001		
Pass/Fail Threshold or Criteria:		+/- .002		
Test Result:	☐ Pass ☐ Fail	☒ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail
Was sensor removed for testing?	☒ Yes ☐ No ☐ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA
Was sensor properly replaced and verified functional after testing?	☒ Yes ☐ No ☐ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

[1] If the entire depth of the sump is not tested, specify how much was tested. If the answer to any of the questions indicated with an asterisk (*) is "NO" or "NA", the entire sump must be tested. (See SWRCB LG-160).

7. UNDER-DISPENSER CONTAINMENT (UDC) TESTING

Test Method Developed By:	☐ UDC Manufacturer ☒ Industry Standard ☐ Professional Engineer ☐ Other (Specify)			
Test Method Used:	☐ Pressure ☐ Vacuum ☒ Hydrostatic ☐ Other (Specify)			
Test Equipment Used:	INCON		Equipment Resolution:	
	UDC # 1-2	UDC # 3-4	UDC # 5-6	UDC # 7-8
UDC Manufacturer:	N/A	N/A	N/A	N/A
UDC Material:	Fiberglass			
UDC Depth:	28"	28"	28"	28"
Height from UDC Bottom to Top of Highest Piping Penetration:	4"	4"	4"	4"
Height from UDC Bottom to Lowest Electrical Penetration:	6"	6"	6"	6"
Condition of UDC prior to testing:	OK	OK	OK	OK
Portion of UDC Tested[1]	2" Above product lines			
Does turbine shut down when UDC sensor detects liquid (both product and water)?*	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA
Turbine shutdown response time	INSTANT			
Is system programmed for fail-safe shutdown?*	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA
Was fail-safe verified to be operational?*	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA
Wait time between applying pressure/vacuum/water and starting test	—	—	—	—
Test Start Time:	1:06 pm	1:06 pm	1:31 pm	1:31 pm
Initial Reading (R_I):	2.6711	3.6115	4.7199	2.3408
Test End Time:	1:21 pm	1:21 pm	1:46 pm	1:46 pm
Final Reading (R_F):	2.6711	3.6110	4.7159	2.3410
Test Duration:	15 min	15 min	15 min	15 min
Change in Reading (R_F-R_I):	0	-.0005	0	+.0002
Pass/Fail Threshold or Criteria:	+/- .002			
Test Result:	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☒ Pass ☐ Fail
Was sensor removed for testing?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA
Was sensor properly replaced and verified functional after testing?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

[1] If the entire depth of the UDC is not tested, specify how much was tested. If the answer to any of the questions indicated with an asterisk (*) is "NO" or "NA", the entire UDC must be tested. (See SWRCB LG-160)

7. UNDER-DISPENSER CONTAINMENT (UDC) TESTING

Test Method Developed By:	☐ UDC Manufacturer ☐ Other *(Specify)*	☒ Industry Standard	☐ Professional Engineer	
Test Method Used:	☐ Pressure ☐ Other *(Specify)*	☐ Vacuum	☒ Hydrostatic	
Test Equipment Used:	ENCON		Equipment Resolution:	

	UDC # 9 - 10	UDC # 11 - 12	UDC #	UDC #
UDC Manufacturer:	[illegible] →			
UDC Material:	Fiberglass →			
UDC Depth:	28"	28"		
Height from UDC Bottom to Top of Highest Piping Penetration:	4"	4"		
Height from UDC Bottom to Lowest Electrical Penetration:	6"	6"		
Condition of UDC prior to testing:	OK	OK		
Portion of UDC Tested[1]	2" Above product →			
Does turbine shut down when UDC sensor detects liquid (both product and water)?*	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA
Turbine shutdown response time	instant	instant		
Is system programmed for fail-safe shutdown?*	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA
Was fail-safe verified to be operational?*	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA
Wait time between applying pressure/vacuum/water and starting test				
Test Start Time:	2:00pm	2:00pm		
Initial Reading (R_I):	4.1170	3.7988		
Test End Time:	2:15pm	2:15pm		
Final Reading (R_F):	4.1170	3.7988		
Test Duration:	15min	15min		
Change in Reading (R_F-R_I):	.0000	0		
Pass/Fail Threshold or Criteria:	+/- .002	±		
Test Result:	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail
Was sensor removed for testing?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA
Was sensor properly replaced and verified functional after testing?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

[1] If the entire depth of the UDC is not tested, specify how much was tested. If the answer to any of the questions indicated with an asterisk (*) is "NO" or "NA", the entire UDC must be tested. (See SWRCB LG-160)

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8. FILL RISER CONTAINMENT SUMP TESTING

Facility is Not Equipped With Fill Riser Containment Sumps ☐

Fill Riser Containment Sumps are Present, but were Not Tested ☐

Test Method Developed By: ☐ Sump Manufacturer ☒ Industry Standard ☐ Professional Engineer ☐ Other *(Specify)*

Test Method Used: ☐ Pressure ☐ Vacuum ☒ Hydrostatic ☐ Other *(Specify)*

Test Equipment Used: TXCON Equipment Resolution:

	Fill Sump # T-1	Fill Sump # T-2	Fill Sump # T-3	Fill Sump # T-4
Sump Diameter:	42"	42"	42"	42"
Sump Depth:	108"	69"	108	110"
Height from Tank Top to Top of Highest Piping Penetration:	55"	22"	50'	55"
Height from Tank Top to Lowest Electrical Penetration:	61"	26"	44"	46"
Condition of sump prior to testing:	OK	OK	OK	OK
Portion of Sump Tested	2" Above manway	→	→	→
Sump Material:	Fiberglass	→	→	→
Wait time between applying pressure/vacuum/water and starting test:	—	—	—	—
Test Start Time:	2:125p	2125p	3:128p	3:128p
Initial Reading (R_I):	2.1352	2.9171	1.7891	2.0174
Test End Time:	2:140p	2140p	3:143	3143p
Final Reading (R_F):	2.1352	2.9171	1.7891	2.0174
Test Duration:	15	15	15	15
Change in Reading (R_F-R_I):	0	1.9100	0	0
Pass/Fail Threshold or Criteria:	± .1562"	→	→	→
Test Result:	☒ Pass ☐ Fail	☐ Pass ☒ Fail	☒ Pass ☐ Fail	☒ Pass ☐ Fail
Is there a sensor in the sump?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No
Does the sensor alarm when either product or water is detected?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA
Was sensor removed for testing?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA
Was sensor properly replaced and verified functional after testing?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA

Comments – *(Include information on repairs made prior to testing, and recommended follow-up for failed tests)*

T-2 Fill Sump has a bad bulk head

8. FILL RISER CONTAINMENT SUMP TESTING

Facility is Not Equipped With Fill Riser Containment Sumps ☐

Fill Riser Containment Sumps are Present, but were Not Tested ☐

Test Method Developed By: ☐ Sump Manufacturer ☒ Industry Standard ☐ Professional Engineer ☐ Other *(Specify)*

Test Method Used: ☐ Pressure ☐ Vacuum ☒ Hydrostatic ☐ Other *(Specify)*

Test Equipment Used: INCON Equipment Resolution:

	Fill Sump # TF5	Fill Sump # TF6	Fill Sump #	Fill Sump #
Sump Diameter:	42"			
Sump Depth:	106"			
Height from Tank Top to Top of Highest Piping Penetration:	67"	Same As piping Sump		
Height from Tank Top to Lowest Electrical Penetration:	69"			
Condition of sump prior to testing:	OK			
Portion of Sump Tested	2" above manway			
Sump Material:	Fiberglass			
Wait time between applying pressure/vacuum/water and starting test:	—	—		
Test Start Time:	4:01pm			
Initial Reading (R_I):	1.9535			
Test End Time:	4:16pm			
Final Reading (R_F):	1.9535			
Test Duration:	15min			
Change in Reading (R_F-R_I):	0			
Pass/Fail Threshold or Criteria:	±.002			
Test Result:	☒ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail
Is there a sensor in the sump?	☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
Does the sensor alarm when either product or water is detected?	☒ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA
Was sensor removed for testing?	☒ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA
Was sensor properly replaced and verified functional after testing?	☒ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

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Appendix VI

(Copies of Monitoring System Certification form and UST Monitoring Plot Plan available at http://www.waterboards.ca.gov.)

MONITORING SYSTEM CERTIFICATION

For Use By All Jurisdictions Within the State of California

Authority Cited: Chapter 6.7, Health and Safety Code; Chapter 16, Division 3, Title 23, California Code of Regulations

This form must be used to document testing and servicing of monitoring equipment. A separate certification or report must be prepared for each monitoring system control panel by the technician who performs the work. A copy of this form must be provided to the tank system owner/operator. The owner/operator must submit a copy of this form to the local agency regulating UST systems within 30 days of test date.

A. General Information
Facility Name: Lebec Shell Bldg. No.:
Site Address: 9069 Grapevine rd City: Lebec Zip:
Facility Contact Person: Owner Contact Phone No.: ( )
Make/Model of Monitoring System: TLS-360 Date of Testing/Servicing: 1/28/11

B. Inventory of Equipment Tested/Certified
Check the appropriate boxes to indicate specific equipment inspected/serviced:

Tank ID: 87#1 / 87#3	**Tank ID:** 91
☑ In-Tank Gauging Probe. Model: MAG 1	☑ In-Tank Gauging Probe. Model: MAG 1
☑ Annular Space or Vault Sensor. Model: 408	☑ Annular Space or Vault Sensor. Model: 408
☑ Piping Sump / Trench Sensor(s). Model: 408 / 208	☑ Piping Sump / Trench Sensor(s). Model: 208
☑ Fill Sump Sensor(s). Model: Red Jacket	☑ Fill Sump Sensor(s). Model: 208
☐ Mechanical Line Leak Detector. Model:	☐ Mechanical Line Leak Detector. Model:
☐ Electronic Line Leak Detector. Model:	☑ Electronic Line Leak Detector. Model: E220
☑ Tank Overfill / High-Level Sensor. Model: Vaporn	☑ Tank Overfill / High-Level Sensor. Model: Vaporn
☐ Other (specify equipment type and model in Section E on Page 2).	☐ Other (specify equipment type and model in Section E on Page 2).
Tank ID: 87#5	**Tank ID:** Diesel / Waste oil
☑ In-Tank Gauging Probe. Model: TLS 1	☑ In-Tank Gauging Probe. Model: TLS 350 / TLS 350
☑ Annular Space or Vault Sensor. Model: 408	☑ Annular Space or Vault Sensor. Model: 408 / 408
☑ Piping Sump / Trench Sensor(s). Model: 208	☑ Piping Sump / Trench Sensor(s). Model: 208 / 208
☑ Fill Sump Sensor(s). Model: 208	☑ Fill Sump Sensor(s). Model: 208
☐ Mechanical Line Leak Detector. Model:	☐ Mechanical Line Leak Detector. Model:
☑ Electronic Line Leak Detector. Model: E220	☑ Electronic Line Leak Detector. Model: E220
☑ Tank Overfill / High-Level Sensor. Model: Vaporn	☑ Tank Overfill / High-Level Sensor. Model: Vaporn
☑ Other (specify equipment type and model in Section E on Page 2).	☐ Other (specify equipment type and model in Section E on Page 2).
Dispenser ID: 1+3	**Dispenser ID:** 5+8
☑ Dispenser Containment Sensor(s). Model: Sump None	☑ Dispenser Containment Sensor(s). Model: Sump None
☑ Shear Valve(s).	☑ Shear Valve(s).
☐ Dispenser Containment Float(s) and Chain(s).	☐ Dispenser Containment Float(s) and Chain(s).
Dispenser ID: 2+4	**Dispenser ID:** 9+10
☑ Dispenser Containment Sensor(s). Model:	☑ Dispenser Containment Sensor(s). Model:
☑ Shear Valve(s).	☑ Shear Valve(s).
☐ Dispenser Containment Float(s) and Chain(s).	☐ Dispenser Containment Float(s) and Chain(s).
Dispenser ID: 5+6	**Dispenser ID:** 11+12
☑ Dispenser Containment Sensor(s). Model:	☑ Dispenser Containment Sensor(s). Model:
☑ Shear Valve(s).	☑ Shear Valve(s).
☐ Dispenser Containment Float(s) and Chain(s	☐ Dispenser Containment Float(s) and Chain(s).

*If the facility contains more tanks or dispensers, copy this form. Include information for every tank and dispenser at the facility.

C. **Certification - I certify that the equipment identified in this document was inspected/serviced in accordance with the manufacturers' guidelines. Attached to this Certification is information (e.g. manufacturers' checklists) necessary to verify that this information is correct and a Plot Plan showing the layout of monitoring equipment. For any equipment capable of generating such reports, I have also attached a copy of the report; *(check all that apply)*:** ☑ System set-up ☑ Alarm history report

Technician Name (print): Bonnie Humphries Signature:
Certification No.: A256327 License. No.: 901457
Testing Company Name: RJ Environmental Phone No.:( )
Testing Company Address: 9069 Grapevine rd Date of Testing/Servicing: 1/28/11

D. Results of Testing/Servicing

Software Version Installed: _____

Complete the following checklist:

☑ Yes	☐ No*	Is the audible alarm operational?
☑ Yes	☐ No*	Is the visual alarm operational?
☑ Yes	☐ No*	Were all sensors visually inspected, functionally tested, and confirmed operational?
☑ Yes	☐ No*	Were all sensors installed at lowest point of secondary containment and positioned so that other equipment will not interfere with their proper operation?
☐ Yes	☐ No* ☑ N/A	If alarms are relayed to a remote monitoring station, is all communications equipment (e.g. modem) operational?
☑ Yes	☐ No* ☐ N/A	For pressurized piping systems, does the turbine automatically shut down if the piping secondary containment monitoring system detects a leak, fails to operate, or is electrically disconnected? If yes: which sensors initiate positive shut-down? *(Check all that apply)* ☑ Sump/Trench Sensors; ☑ Dispenser Containment Sensors. Did you confirm positive shut-down due to leaks and sensor failure/disconnection? ☑ Yes; ☐ No.
☑ Yes	☐ No* ☐ N/A	For tank systems that utilize the monitoring system as the primary tank overfill warning device (i.e. no mechanical overfill prevention valve is installed), is the overfill warning alarm visible and audible at the tank fill point(s) and operating properly? If so, at what percent of tank capacity does the alarm trigger? 95 %
☑ Yes*	☐ No	Was any monitoring equipment replaced? If yes, identify specific sensors, probes, or other equipment replaced and list the manufacturer name and model for all replacement parts in Section E, below.
☐ Yes*	☑ No	Was liquid found inside any secondary containment systems designed as dry systems? *(Check all that apply)* ☐ Product; ☐ Water. If yes, describe causes in Section E, below.
☑ Yes	☐ No*	Was monitoring system set-up reviewed to ensure proper settings? Attach set up reports, if applicable
☑ Yes	☐ No*	Is all monitoring equipment operational per manufacturer's specifications?

*** In Section E below, describe how and when these deficiencies were or will be corrected.**

E. Comments:

Replaced Waste Oil Sump Sensor, due to being wrong model Per Inspector

F. In-Tank Gauging / SIR Equipment:

☐ Check this box if tank gauging is used only for inventory control.
☐ Check this box if no tank gauging or SIR equipment is installed.

This section must be completed if in-tank gauging equipment is used to perform leak detection monitoring.

Complete the following checklist:

☐ Yes	☐ No*	Has all input wiring been inspected for proper entry and termination, including testing for ground faults?
☐ Yes	☐ No*	Were all tank gauging probes visually inspected for damage and residue buildup?
☐ Yes	☐ No*	Was accuracy of system product level readings tested?
☐ Yes	☐ No*	Was accuracy of system water level readings tested?
☐ Yes	☐ No*	Were all probes reinstalled properly?
☐ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

*** In the Section H, below, describe how and when these deficiencies were or will be corrected.**

G. Line Leak Detectors (LLD): ☐ Check this box if LLDs are not installed.

Complete the following checklist:

☑ Yes	☐ No* ☐ N/A	For equipment start-up or annual equipment certification, was a leak simulated to verify LLD performance? *(Check all that apply)* Simulated leak rate: ☑ 3 g.p.h.; ☐ 0.1 g.p.h ; ☐ 0.2 g.p.h.
☑ Yes	☐ No*	Were all LLDs confirmed operational and accurate within regulatory requirements?
☑ Yes	☐ No*	Was the testing apparatus properly calibrated?
☑ Yes	☐ No* ☐ N/A	For mechanical LLDs, does the LLD restrict product flow if it detects a leak?
☐ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if the LLD detects a leak?
☑ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system is disabled or disconnected?
☑ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system malfunctions or fails a test?
☑ Yes	☐ No* ☐ N/A	For electronic LLDs, have all accessible wiring connections been visually inspected?
☑ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

*** In the Section H, below, describe how and when these deficiencies were or will be corrected.**

H. Comments:

ALL 5 LLD's passed.

SWRCB, January 2002 Page ____ of ____

9. SPILL/OVERFILL CONTAINMENT BOXES

Facility is Not Equipped With Spill/Overfill Containment Boxes ☐

Spill/Overfill Containment Boxes are Present, but were Not Tested ☐

Test Method Developed By: ☐ Spill Bucket Manufacturer ☐ Industry Standard ☐ Professional Engineer ☐ Other *(Specify)*

Test Method Used: ☐ Pressure ☐ Vacuum ☐ Hydrostatic ☐ Other *(Specify)*

Test Equipment Used: | Equipment Resolution:

	87 Spill Box # 1	87 Spill Box # 2	83 Spill Box # 9		0 Spill Box # W	
Bucket Diameter:	11½"	11½"	11½"	11½"	11½"	11½"
Bucket Depth:	15"	15"	15"	15"	15"	15"
Wait time between applying pressure/vacuum/water and starting test:	15min	15 min	15min	15min	15min	15min
Test Start Time:	2:00	2:00	2:00	2:00	2:00	2:00
Initial Reading (R_I):	8½"	8"	8¼"	8"	8"	8¾"
Test End Time:	2:30	2:30	2:30	2:30	2:30	2:30
Final Reading (R_F):	8½"	8"	8¼"	8"	8"	8¾"
Test Duration:	30 min	30 min	30 min	30 min	30 min	30 min
Change in Reading (R_F-R_I):	0"	0"	0"	0"	0"	0"
Pass/Fail Threshold or Criteria:	no decay	no decay	no decay	no decay	no decay	no decay
Test Result:	☑ Pass ☐ Fail	☑ Pass ☐ Fail	☑ Pass ☐ Fail		☑ Pass ☐ Fail	

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

All spill buckits passed

Ronnie Humphries

RJ Environmental

3462 E. Brown Ave

To Marty, Kern County Environmental Health

List of work performed by contractor at Lebec Shell

- Installed stand alone sensors in all udc's.
- Cleaned out all water out of sumps and dispensers.
- Installed lld's in turbines that did not have any installed.
- Installed overfill alarm & programmed to Tank Monitor.
- Retested full monitor cert, to make sure everything is working.
- Changed out Diesel spill bucket that was leaking.

List of work performed by contractor at Tejon Mobil

- Fixed diesel leak in dispenser.
- Sealed off exposed wires in turbin sumps.
- Pumped out all gas and water out of udc's.

Thanks Ronnie
RJ Environmental

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FEB 23 2010 RECEIVED
KERN COUNTY FEB 23 2010
ENVIRONMENTAL HEALTH SERVICES
KERN COUNTY
ENVIRONMENTAL HEALTH SERVICES

Appendix VI

(Copies of Monitoring System Certification form and UST Monitoring Plot Plan available at http://www.waterboards.ca.gov.)

MONITORING SYSTEM CERTIFICATION

For Use By All Jurisdictions Within the State of California

Authority Cited: Chapter 6.7, Health and Safety Code; Chapter 16, Division 3, Title 23, California Code of Regulations

This form must be used to document testing and servicing of monitoring equipment. A separate certification or report must be prepared for each monitoring system control panel by the technician who performs the work. A copy of this form must be provided to the tank system owner/operator. The owner/operator must submit a copy of this form to the local agency regulating UST systems within 30 days of test date.

A. General Information

Facility Name: LEBEC Shell Bldg. No.:

Site Address: 9069 Grapevine Rd. City: LEBEC Zip:

Facility Contact Person: Shawn Contact Phone No.: (661) 243-6921

Make/Model of Monitoring System: TLS 350 Date of Testing/Servicing: 2/19/10

B. Inventory of Equipment Tested/Certified

Check the appropriate boxes to indicate specific equipment inspected/serviced:

Tank ID: Super T-1	**Tank ID:** East Unlead T-3
[X] In-Tank Gauging Probe. Model: mag	[X] In-Tank Gauging Probe. Model: mag
[X] Annular Space or Vault Sensor. Model: 420	[X] Annular Space or Vault Sensor. Model: 420
[X] Piping Sump / Trench Sensor(s). Model: 205	[X] Piping Sump / Trench Sensor(s). Model: 205
[X] Fill Sump Sensor(s). Model: 208	[X] Fill Sump Sensor(s). Model: 208
[ ] Mechanical Line Leak Detector. Model:	[ ] Mechanical Line Leak Detector. Model:
[ ] Electronic Line Leak Detector. Model: V.R.	[X] Electronic Line Leak Detector. Model: V.R.
[X] Tank Overfill / High-Level Sensor. Model: Wall Alarm	[X] Tank Overfill / High-Level Sensor. Model: Wall Alarm
[ ] Other (specify equipment type and model in Section E on Page 2).	[ ] Other (specify equipment type and model in Section E on Page 2).
Tank ID: West Unlead T-2	**Tank ID:** Center Unlead T-4
[X] In-Tank Gauging Probe. Model: mag	[X] In-Tank Gauging Probe. Model: mag
[X] Annular Space or Vault Sensor. Model: 420	[X] Annular Space or Vault Sensor. Model: 420
[X] Piping Sump / Trench Sensor(s). Model: 205	[X] Piping Sump / Trench Sensor(s). Model: 205
[X] Fill Sump Sensor(s). Model: 208	[X] Fill Sump Sensor(s). Model: 208
[X] Mechanical Line Leak Detector. Model: RJ FX.	[ ] Mechanical Line Leak Detector. Model:
[ ] Electronic Line Leak Detector. Model:	[X] Electronic Line Leak Detector. Model: V.R.
[X] Tank Overfill / High-Level Sensor. Model: Wall Alarm	[X] Tank Overfill / High-Level Sensor. Model: Wall Alarm
[ ] Other (specify equipment type and model in Section E on Page 2).	[ ] Other (specify equipment type and model in Section E on Page 2).
Dispenser ID: #1 #2	**Dispenser ID:** #7 #8
[X] Dispenser Containment Sensor(s). Model: V.R. Standalone	[X] Dispenser Containment Sensor(s). Model: V.R. Standalone
[X] Shear Valve(s).	[X] Shear Valve(s).
[ ] Dispenser Containment Float(s) and Chain(s).	[ ] Dispenser Containment Float(s) and Chain(s).
Dispenser ID: #3 #4	**Dispenser ID:** #9 #10
[X] Dispenser Containment Sensor(s). Model: VR Standalone	[X] Dispenser Containment Sensor(s). Model: V.R Standalone
[X] Shear Valve(s).	[X] Shear Valve(s).
[ ] Dispenser Containment Float(s) and Chain(s).	[ ] Dispenser Containment Float(s) and Chain(s).
Dispenser ID: #5 #6	**Dispenser ID:** #11 #12
[X] Dispenser Containment Sensor(s). Model: VR Standalone	[X] Dispenser Containment Sensor(s). Model: VR Standalone
[X] Shear Valve(s).	[X] Shear Valve(s).
[ ] Dispenser Containment Float(s) and Chain(s	[ ] Dispenser Containment Float(s) and Chain(s).

*If the facility contains more tanks or dispensers, copy this form. Include information for every tank and dispenser at the facility.

C. **Certification - I certify that the equipment identified in this document was inspected/serviced in accordance with the manufacturers' guidelines. Attached to this Certification is information (e.g. manufacturers' checklists) necessary to verify that this information is correct and a Plot Plan showing the layout of monitoring equipment. For any equipment capable of generating such reports, I have also attached a copy of the report; *(check all that apply)*:** [X] System set-up [X] Alarm history report

Technician Name (print): T. Shawn Signature:

Certification No.: B335113 License. No.: 981427

Testing Company Name: RJ Environmental Phone No.: (559) 999-0737

Testing Company Address: Fresno Date of Testing/Servicing: 2/19/10

Appendix VI

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A. General Information

Facility Name: CEBEC Shell Bldg. No.:

Site Address: 9069 Grapevine Rd. City: CEBEC Zip:

Facility Contact Person: S Hawn Contact Phone No.: (559) (661) 243-6921

Make/Model of Monitoring System: TLS 350 Date of Testing/Servicing: 2/19/10

B. Inventory of Equipment Tested/Certified

Check the appropriate boxes to indicate specific equipment inspected/serviced:

Tank ID: Diesel T-5	**Tank ID:**
☒ In-Tank Gauging Probe. Model: map	☐ In-Tank Gauging Probe. Model: map
☒ Annular Space or Vault Sensor. Model: 426	☐ Annular Space or Vault Sensor. Model:
☒ Piping Sump / Trench Sensor(s). Model: 208	☐ Piping Sump / Trench Sensor(s). Model:
☒ Fill Sump Sensor(s). Model: 208	☐ Fill Sump Sensor(s). Model:
☒ Mechanical Line Leak Detector. Model: RJ FX.	☐ Mechanical Line Leak Detector. Model:
☐ Electronic Line Leak Detector. Model:	☐ Electronic Line Leak Detector. Model:
☒ Tank Overfill / High-Level Sensor. Model: Wall Alarm	☐ Tank Overfill / High-Level Sensor. Model: Wall Alarm
☐ Other (specify equipment type and model in Section E on Page 2).	☐ Other (specify equipment type and model in Section E on Page 2).
Tank ID: Waste Oil T-6	**Tank ID:**
☒ In-Tank Gauging Probe. Model: map	☐ In-Tank Gauging Probe. Model: map
☒ Annular Space or Vault Sensor. Model: 426	☐ Annular Space or Vault Sensor. Model:
☒ Piping Sump / Trench Sensor(s). Model: 208	☐ Piping Sump / Trench Sensor(s). Model:
☐ Fill Sump Sensor(s). Model: 208	☐ Fill Sump Sensor(s). Model:
☐ Mechanical Line Leak Detector. Model:	☐ Mechanical Line Leak Detector. Model:
☒ Electronic Line Leak Detector. Model:	☐ Electronic Line Leak Detector. Model:
☐ Tank Overfill / High-Level Sensor. Model: Wall Alarm	☐ Tank Overfill / High-Level Sensor. Model: Wall Alarm
☐ Other (specify equipment type and model in Section E on Page 2).	☐ Other (specify equipment type and model in Section E on Page 2).
Dispenser ID: #1 #2	**Dispenser ID:** #7 #8
☒ Dispenser Containment Sensor(s). Model: V.R. Standalone	☒ Dispenser Containment Sensor(s). Model: V.R. Standalone
☒ Shear Valve(s).	☒ Shear Valve(s).
☐ Dispenser Containment Float(s) and Chain(s).	☐ Dispenser Containment Float(s) and Chain(s).
Dispenser ID: #3 #4	**Dispenser ID:** #9 #10
☒ Dispenser Containment Sensor(s). Model: V.R. Standalone	☒ Dispenser Containment Sensor(s). Model: V.R. Standalone
☒ Shear Valve(s).	☒ Shear Valve(s).
☐ Dispenser Containment Float(s) and Chain(s).	☐ Dispenser Containment Float(s) and Chain(s).
Dispenser ID: #5 #6	**Dispenser ID:** #11 #12
☒ Dispenser Containment Sensor(s). Model: V.R. Standalone	☒ Dispenser Containment Sensor(s). Model: V.R. Standalone
☒ Shear Valve(s).	☒ Shear Valve(s).
☐ Dispenser Containment Float(s) and Chain(s	☐ Dispenser Containment Float(s) and Chain(s).

*If the facility contains more tanks or dispensers, copy this form. Include information for every tank and dispenser at the facility.

C. **Certification - I certify that the equipment identified in this document was inspected/serviced in accordance with the manufacturers' guidelines. Attached to this Certification is information (e.g. manufacturers' checklists) necessary to verify that this information is correct and a Plot Plan showing the layout of monitoring equipment. For any equipment capable of generating such reports, I have also attached a copy of the report; *(check all that apply)*:** ☒ System set-up ☒ Alarm history report

Technician Name (print): T. Zonn Signature:

Certification No.: A33513 License. No.: 981427

Testing Company Name: RJ Environmental Phone No.: (559) 999-0337

Testing Company Address: Fresno Date of Testing/Servicing: 2/19/10

F. In-Tank Gauging / SIR Equipment:

☐ Check this box if tank gauging is used only for inventory control.
☐ Check this box if no tank gauging or SIR equipment is installed.

This section must be completed if in-tank gauging equipment is used to perform leak detection monitoring.

Complete the following checklist:

☒ Yes	☐ No*	Has all input wiring been inspected for proper entry and termination, including testing for ground faults?
☒ Yes	☐ No*	Were all tank gauging probes visually inspected for damage and residue buildup?
☒ Yes	☐ No*	Was accuracy of system product level readings tested?
☒ Yes	☐ No*	Was accuracy of system water level readings tested?
☒ Yes	☐ No*	Were all probes reinstalled properly?
☒ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

*** In the Section H, below, describe how and when these deficiencies were or will be corrected.**

G. Line Leak Detectors (LLD):

☐ Check this box if LLDs are not installed.

Complete the following checklist:

☒ Yes	☐ No* ☐ N/A	For equipment start-up or annual equipment certification, was a leak simulated to verify LLD performance? *(Check all that apply)* Simulated leak rate: ☒ 3 g.p.h.; ☐ 0.1 g.p.h ; ☐ 0.2 g.p.h.
☒ Yes	☐ No*	Were all LLDs confirmed operational and accurate within regulatory requirements?
☒ Yes	☐ No*	Was the testing apparatus properly calibrated?
☒ Yes	☐ No* ☐ N/A	For mechanical LLDs, does the LLD restrict product flow if it detects a leak?
☒ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if the LLD detects a leak?
☒ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system is disabled or disconnected?
☒ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system malfunctions or fails a test?
☒ Yes	☐ No* ☐ N/A	For electronic LLDs, have all accessible wiring connections been visually inspected?
☒ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

*** In the Section H, below, describe how and when these deficiencies were or will be corrected.**

H. Comments:

D. Results of Testing/Servicing

Software Version Installed: _____

Complete the following checklist:

☒ Yes	☐ No*	Is the audible alarm operational?
☒ Yes	☐ No*	Is the visual alarm operational?
☒ Yes	☐ No*	Were all sensors visually inspected, functionally tested, and confirmed operational?
☒ Yes	☐ No*	Were all sensors installed at lowest point of secondary containment and positioned so that other equipment will not interfere with their proper operation?
☐ Yes	☐ No* ☒ N/A	If alarms are relayed to a remote monitoring station, is all communications equipment (e.g. modem) operational?
☒ Yes	☐ No* ☐ N/A	For pressurized piping systems, does the turbine automatically shut down if the piping secondary containment monitoring system detects a leak, fails to operate, or is electrically disconnected? If yes, which sensors initiate positive shut-down? *(Check all that apply)* ☒ Sump/Trench Sensors; ☒ Dispenser Containment Sensors. Did you confirm positive shut-down due to leaks and sensor failure/disconnection? ☒ Yes; ☐ No
☒ Yes	☐ No* ☐ N/A	For tank systems that utilize the monitoring system as the primary tank overfill warning device (i.e. no mechanical overfill prevention valve is installed), is the overfill warning alarm visible and audible at the tank fill point(s) and operating properly? If so, at what percent of tank capacity does the alarm trigger? 95 %
☐ Yes*	☒ No	Was any monitoring equipment replaced? If yes, identify specific sensors, probes, or other equipment replaced and list the manufacturer name and model for all replacement parts in Section E, below.
☐ Yes*	☒ No	Was liquid found inside any secondary containment systems designed as dry systems? *(Check all that apply)* ☐ Product; ☐ Water. If yes, describe causes in Section E, below.
☒ Yes	☐ No*	Was monitoring system set-up reviewed to ensure proper settings? Attach set up reports, if applicable
☒ Yes	☐ No*	Is all monitoring equipment operational per manufacturer's specifications?

*** In Section E below, describe how and when these deficiencies were or will be corrected.**

E. Comments:

SWRCB, January 2006

Spill Bucket Testing Report Form

This form is intended for use by contractors performing annual testing of UST spill containment structures. The completed form and printouts from tests (if applicable), should be provided to the facility owner/operator for submittal to the local regulatory agency.

1. FACILITY INFORMATION

Facility Name: CEBEC Shell	Date of Testing: 2/19/10
Facility Address: 9069 Grapevine	
Facility Contact: SHAWN	Phone: (661) 243-6921
Date Local Agency Was Notified of Testing :	
Name of Local Agency Inspector *(if present during testing)*:	

2. TESTING CONTRACTOR INFORMATION

Company Name: RJ Environmental	
Technician Conducting Test: P. Zoker	
Credentials[1]: ☒ CSLB Contractor ☐ ICC Service Tech. ☐ SWRCB Tank Tester ☐ Other *(Specify)*	
License Number(s): 901427 B 38513	

3. SPILL BUCKET TESTING INFORMATION

Test Method Used:	☒ Hydrostatic	☐ Vacuum	☐ Other	
Test Equipment Used: Visual			Equipment Resolution:	

Identify Spill Bucket *(By Tank Number, Stored Product, etc.)*	1 T-1	2 T-2	3 T-3	4 T-4
Bucket Installation Type:	☐ Direct Bury ☒ Contained in Sump	☐ Direct Bury ☒ Contained in Sump	☐ Direct Bury ☒ Contained in Sump	☐ Direct Bury ☒ Contained in Sump
Bucket Diameter:	12"	12"	12"	12"
Bucket Depth:	9"	9"	9"	9"
Wait time between applying vacuum/water and start of test:	—	—	—	—
Test Start Time (T_I):	11:30 am	11:30 am	11:30 am	11:30 am
Initial Reading (R_I):	9"	9"	9"	9"
Test End Time (T_F):	12:30 pm	12:30 pm	12:30 pm	12:30 pm
Final Reading (R_F):	9"	9"	9"	9"
Test Duration ($T_F - T_I$):	1 HR	1 HR	1 HR	1 HR
Change in Reading ($R_F - R_I$):	∅	∅	∅	∅
Pass/Fail Threshold or Criteria:	.002 IN.	.002 IN.	.002 IN.	.002 IN.
Test Result:	☒ **Pass** ☐ **Fail**	☒ **Pass** ☐ **Fail**	☒ **Pass** ☐ **Fail**	☒ **Pass** ☐ **Fail**

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

CERTIFICATION OF TECHNICIAN RESPONSIBLE FOR CONDUCTING THIS TESTING

I hereby certify that all the information contained in this report is true, accurate, and in full compliance with legal requirements.

Technician's Signature: _____ Date: 2/19/10

[1] State laws and regulations do not currently require testing to be performed by a qualified contractor. However, local requirements may be more stringent.

Spill Bucket Testing Report Form

This form is intended for use by contractors performing annual testing of UST spill containment structures. The completed form and printouts from tests (if applicable), should be provided to the facility owner/operator for submittal to the local regulatory agency.

1. FACILITY INFORMATION

Facility Name:	Date of Testing:
Facility Address:	
Facility Contact:	Phone:
Date Local Agency Was Notified of Testing :	
Name of Local Agency Inspector *(if present during testing)*:	

2. TESTING CONTRACTOR INFORMATION

Company Name:
Technician Conducting Test:
Credentials[1]: ☐ CSLB Contractor ☐ ICC Service Tech. ☐ SWRCB Tank Tester ☐ Other *(Specify)* _____
License Number(s):

3. SPILL BUCKET TESTING INFORMATION

Test Method Used:	☒ Hydrostatic	☐ Vacuum	☐ Other	
Test Equipment Used:	Visual		Equipment Resolution:	
Identify Spill Bucket *(By Tank Number, Stored Product, etc.)*	1 T-5 Diesel	2 T-6 Waste oil	3	4
Bucket Installation Type:	☐ Direct Bury ☒ Contained in Sump	☒ Direct Bury ☒ Contained in Sump	☐ Direct Bury ☐ Contained in Sump	☐ Direct Bury ☐ Contained in Sump
Bucket Diameter:	12"	12"		
Bucket Depth:	9.5"	9.5"		
Wait time between applying vacuum/water and start of test:	✓	✓		
Test Start Time (T_I):	11:30 AM	11:30 AM		
Initial Reading (R_I):	9.5"	9.5"		
Test End Time (T_F):	12:30 PM	12:30 PM		
Final Reading (R_F):	9.5"	9.5"		
Test Duration ($T_F - T_I$):	1 HR	1 HR		
Change in Reading ($R_F - R_I$):	Ø	Ø		
Pass/Fail Threshold or Criteria:	.002 IN.	.002 IN.		
Test Result:	☐ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

CERTIFICATION OF TECHNICIAN RESPONSIBLE FOR CONDUCTING THIS TESTING

I hereby certify that all the information contained in this report is true, accurate, and in full compliance with legal requirements.

Technician's Signature: _____ Date: _____

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SWRCB, January 2006

Spill Bucket Testing Report Form

This form is intended for use by contractors performing annual testing of UST spill containment structures. The completed form and printouts from tests (if applicable), should be provided to the facility owner/operator for submittal to the local regulatory agency.

1. FACILITY INFORMATION

Facility Name:	Date of Testing:
Facility Address:	
Facility Contact:	Phone:
Date Local Agency Was Notified of Testing :	
Name of Local Agency Inspector *(if present during testing)*:	

2. TESTING CONTRACTOR INFORMATION

Company Name:
Technician Conducting Test:
Credentials[1]: ☐ CSLB Contractor ☐ ICC Service Tech. ☐ SWRCB Tank Tester ☐ Other *(Specify)*
License Number(s):

3. SPILL BUCKET TESTING INFORMATION

Test Method Used:	☒ Hydrostatic	☐ Vacuum	☐ Other	
Test Equipment Used:	Visual		Equipment Resolution:	
Identify Spill Bucket *(By Tank Number, Stored Product, etc.)*	1 T-5 Diesel	2 T-6 Waste oil	3	4
Bucket Installation Type:	☐ Direct Bury ☒ Contained in Sump	☒ Direct Bury ☒ Contained in Sump	☐ Direct Bury ☐ Contained in Sump	☐ Direct Bury ☐ Contained in Sump
Bucket Diameter:	12"	12"		
Bucket Depth:	9.5"	9.5"		
Wait time between applying vacuum/water and start of test:	—	—		
Test Start Time (T_I):	11:30 AM	11:30 am		
Initial Reading (R_I):	9.5"	9.5"		
Test End Time (T_F):	12:30 pm	12:30 pm		
Final Reading (R_F):	9.5"	9.5"		
Test Duration ($T_F - T_I$):	1 HR	1 HR		
Change in Reading ($R_F - R_I$):	Ø	Ø		
Pass/Fail Threshold or Criteria:	.002 IN.	.002 IN.		
Test Result:	☐ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

CERTIFICATION OF TECHNICIAN RESPONSIBLE FOR CONDUCTING THIS TESTING

I hereby certify that all the information contained in this report is true, accurate, and in full compliance with legal requirements.

Technician's Signature: _____ Date: _____

[1] State laws and regulations do not currently require testing to be performed by a qualified contractor. However, local requirements may be more stringent.

LEBEC SHELL
9069 GRAPVINE
LEBEC,CA

FEB 19, 2010 2:16 PM

SYSTEM STATUS REPORT
ALL FUNCTIONS NORMAL

INVENTORY REPORT

T 1:PREMIUM 91
VOLUME = 4417 GALS
ULLAGE = 5333 GALS
90% ULLAGE = 4358 GALS
TC VOLUME = 4399 GALS
HEIGHT = 49.49 INCHES
WATER VOL = 0 GALS
WATER = 0.00 INCHES
TEMP = 65.8 DEG F

T 2:WEST 87 UNLD
VOLUME = 4630 GALS
ULLAGE = 6538 GALS
90% ULLAGE = 5421 GALS
TC VOLUME = 4601 GALS
HEIGHT = 38.21 INCHES
WATER VOL = 0 GALS
WATER = 0.00 INCHES
TEMP = 68.7 DEG F

T 3:EAST 87 UNLD
VOLUME = 7902 GALS
ULLAGE = 1914 GALS
90% ULLAGE = 932 GALS
TC VOLUME = 7867 GALS
HEIGHT = 67.62 INCHES
WATER VOL = 10 GALS
WATER = 0.79 INCHES
TEMP = 66.3 DEG F

T 4:CENTER 87 UNLD
VOLUME = 8805 GALS
ULLAGE = 2876 GALS
90% ULLAGE = 1707 GALS
TC VOLUME = 8762 GALS
HEIGHT = 63.55 INCHES
WATER VOL = 0 GALS
WATER = 0.00 INCHES
TEMP = 66.9 DEG F

T 5:DIESEL
VOLUME = 3451 GALS
ULLAGE = 6365 GALS
90% ULLAGE = 5383 GALS
TC VOLUME = 3434 GALS
HEIGHT = 34.94 INCHES
WATER VOL = 12 GALS
WATER = 0.85 INCHES
TEMP = 70.3 DEG F

T 6:WASTE OIL
VOLUME = 196 GALS
ULLAGE = 302 GALS
90% ULLAGE = 252 GALS
TC VOLUME = 197 GALS
HEIGHT = 20.05 INCHES
WATER VOL = 1 GALS
WATER = 0.79 INCHES
TEMP = 63.2 DEG F

* * * * * END * * * * *

----- SENSOR ALARM -----
L 4:E.87 ANNULAR
ANNULAR SPACE
FUEL ALARM
FEB 19, 2010 1:19 PM

PRESSURE LINE LEAK ALARM
Q 3:87 UNLEADED
PLLD SHUTDOWN ALARM
FEB 19, 2010 1:20 PM

----- SENSOR ALARM -----
L11:CENTER 87 STP
STP SUMP
FUEL ALARM
FEB 19, 2010 1:20 PM

----- SENSOR ALARM -----
L 5:91 ANNULAR
ANNULAR SPACE
FUEL ALARM
FEB 19, 2010 1:22 PM

PRESSURE LINE LEAK ALARM
Q 3:87 UNLEADED
PLLD SHUTDOWN ALARM
FEB 19, 2010 1:23 PM

----- SENSOR ALARM -----
L 9:W.87 STP
STP SUMP
FUEL ALARM
FEB 19, 2010 1:23 PM

----- SENSOR ALARM -----
L10:DIESEL STP
STP SUMP
LOW LIQUID ALARM
FEB 19, 2010 1:24 PM

PRESSURE LINE LEAK ALARM
Q 3:87 UNLEADED
PLLD SHUTDOWN ALARM
FEB 19, 2010 1:39 PM

----- SENSOR ALARM -----
L 3:CENTER 87 ANNULAR
ANNULAR SPACE
FUEL ALARM
FEB 19, 2010 12:55 PM

* * * * * END * * * * *

LEBEC SHELL
9069 GRAPVINE
LEBEC,CA

FEB 19, 2010 2:08

SYSTEM STATUS REP
ALL FUNCTIONS NOR

----- SENSOR ALARM -----
L11:CENTER 87 STP
STP SUMP
FUEL ALARM
FEB 19, 2010 1:39 PM

----- SENSOR ALARM -----
L 2:DIESEL ANNULAR
ANNULAR SPACE
FUEL ALARM
FEB 19, 2010 12:56 PM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
Q 2:DIESEL
PLLD SHUTDOWN ALARM
FEB 19, 2010 1:25 PM

PLLD SHUTDOWN ALARM
FEB 12, 2010 10:57 AM

PLLD SHUTDOWN ALARM
JAN 26, 2010 4:50 PM

PLLD SHUTDOWN ALARM
JAN 26, 2010 4:07 PM

ANNUAL LINE FAIL
OCT 13, 2009 11:10 AM

PLLD SHUTDOWN ALARM
SEP 8, 2009 11:47 AM

CONT HANDLE ALM
SEP 4, 2009 6:31 PM

PLLD SHUTDOWN ALARM
SEP 3, 2009 12:52 PM

PLLD SHUTDOWN ALARM
AUG 12, 2009 3:46 PM

CONT HANDLE ALM
AUG 12, 2009 7:27 AM

---- IN-TANK ALARM
T 1:PREMIUM 91
HIGH PRODUCT ALARM
FEB 19, 2010 2:08

PRESSURE LINE LEAK ALARM
Q 3:87 UNLEADED
PLLD SHUTDOWN ALARM
FEB 19, 2010 1:40 PM

PRESSURE LINE LEAK ALARM
Q 3:87 UNLEADED
PLLD SHUTDOWN ALARM
FEB 19, 2010 1:08 PM

---- IN-TANK ALARM
T 1:PREMIUM 91
MAX PRODUCT ALARM
FEB 19, 2010 2:08

----- SENSOR ALARM -----
L12:E.87 STP
STP SUMP
FUEL ALARM
FEB 19, 2010 1:40 PM

----- SENSOR ALARM -----
L12:E.87 STP
STP SUMP
FUEL ALARM
FEB 19, 2010 1:08 PM

ALARM HISTORY REPOR

----- SENSOR ALARM
Q 1:91 PREMIUM
PLLD SHUTDOWN ALARM
FEB 19, 2010 1:42 I

PLLD SHUTDOWN ALARM
FEB 19, 2010 1:31 I

PLLD OPEN ALARM
FEB 19, 2010 1:26 I

PLLD SHUTDOWN ALARM
JAN 26, 2010 4:13 I

PLLD SHUTDOWN ALARM
NOV 20, 2009 4:27 I

GROSS LINE FAIL
NOV 20, 2009 4:27 I

PLLD SHUTDOWN ALARM
NOV 20, 2009 11:53 A

GROSS LINE FAIL
NOV 20, 2009 11:53 A

PLLD SHUTDOWN ALARM
DEC 19, 2008 2:58 PI

RESSURE LINE LEAK ALARM
1:91 PREMIUM
LD SHUTDOWN ALARM
B 19, 2010 1:42 PM

----- SENSOR ALARM -----
L18:DIESEL FILL
PIPING SUMP
FUEL ALARM
FEB 19, 2010 1:13 PM

* * * * * END * * * * *

--- SENSOR ALARM -----
3:91 STP
P SUMP
EL ALARM
B 19, 2010 1:42 PM

----- SENSOR ALARM -----
L 1:W.87 ANNULAR
ANNULAR SPACE
FUEL ALARM
FEB 19, 2010 1:17 PM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
Q 3:87 UNLEADED
PLLD SHUTDOWN ALARM
FEB 19, 2010 1:40 PM

PLLD SHUTDOWN ALARM
FEB 19, 2010 1:39 PM

PLLD SHUTDOWN ALARM
FEB 19, 2010 1:23 PM

PLLD SHUTDOWN ALARM
FEB 19, 2010 1:20 PM

PLLD SHUTDOWN ALARM
FEB 19, 2010 1:08 PM

PLLD SHUTDOWN ALARM
FEB 12, 2010 1:47 PM

PLLD SHUTDOWN ALARM
FEB 12, 2010 12:59 PM

PLLD SHUTDOWN ALARM
FEB 12, 2010 12:35 PM

PLLD SHUTDOWN ALARM
FEB 12, 2010 11:52 AM

PLLD SHUTDOWN ALARM
FEB 12, 2010 11:36 AM

* * * * * END * * * * *

Q 2:[redacted]SEL
PLLD SHUTDOWN ALARM
FEB 19, 2010 1:25 PM

----- SENSOR ALARM -----
L10:DIESEL STP
STP SUMP
FUEL ALARM
FEB 19, 2010 1:25 PM

PRESSURE LINE LEAK ALARM
Q 1:91 PREMIUM
PLLD OPEN ALARM
FEB 19, 2010 1:26 PM

LEBEC SHELL
9069 GRAPVINE
LEBEC,CA

FEB 19, 2010 1:27 PM

SYSTEM STATUS REPORT

L14:FUEL ALARM

Q 1:PLLD OPEN ALARM

----- SENSOR ALARM -----
L19:CENTER 87 FILL
PIPING SUMP
FUEL ALARM
FEB 19, 2010 1:29 PM

----- SENSOR ALARM -----
L21:91 FILL
PIPING SUMP
FUEL ALARM
FEB 19, 2010 1:29 PM

ALARM HISTORY REPORT

----- SYSTEM ALARM -----
PAPER OUT
FEB 18, 2010 11:09 AM
PRINTER ERROR
JAN 18, 2010 3:13 AM
BATTERY IS OFF
JAN 1, 1996 8:00 AM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 1:W.87 ANNULAR
ANNULAR SPACE
FUEL ALARM
JAN 26, 2010 12:51 PM

SENSOR OUT ALARM
NOV 26, 2009 6:24 AM

SENSOR OUT ALARM
NOV 16, 2009 11:39 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 2:DIESEL ANNULAR
ANNULAR SPACE
FUEL ALARM
JAN 26, 2010 12:52 PM

LOW LIQUID ALARM
DEC 19, 2008 3:10 PM

LOW LIQUID ALARM
OCT 26, 2[redacted] 10:33 AM

----- SENSOR ALARM
L22:WASTE SUMP
PIPING SUMP
FUEL ALARM
FEB 19, 2010 1:30 P

----- SENSOR ALARM
L23:WASTE ANNULAR
ANNULAR SPACE
FUEL ALARM
FEB 19, 2010 1:30 P

PRESSURE LINE LEAK
Q 1:91 PREMIUM
PLLD SHUTDOWN ALARM
FEB 19, 2010 1:31 P

----- SENSOR ALARM
L13:91 STP
STP SUMP
FUEL ALARM
FEB 19, 2010 1:31

----- SENSOR ALARM
L14:W.87 FILL
PIPING SUMP
FUEL ALARM
FEB 19, 2010 1:33

----- SENSOR ALARM
L20:EAST 87 FILL
PIPING SUMP
FUEL ALARM
FEB 19, 2010 1:33

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L12:E.87 STP
STP SUMP
SETUP DATA WARNING
FEB 12, 2010 11:22 AM

FUEL ALARM
DEC 19, 2008 3:00 PM

FUEL ALARM
OCT 26, 2007 10:24 AM

* * * * * END * * * * *

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L10:DIESEL STP
STP SUMP
FUEL ALARM
FEB 12, 2010 10:57 AM

FUEL ALARM
JAN 26, 2010 4:50 PM

SENSOR OUT ALARM
JAN 26, 2010 4:49 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 3:CENTER 87 ANNULAR
ANNULAR SPACE
LOW LIQUID ALARM
DEC 19, 2008 3:15 PM

LOW LIQUID ALARM
AUG 21, 2008 12:43 PM

HIGH LIQUID ALARM
AUG 21, 2008 12:39 PM

* * * * * END * * * * *

ALARM HISTORY R

----- SENSOR AL
L 9:W.87 STP
STP SUMP
SETUP DATA WARN
FEB 17, 2010 3

SETUP DATA WARN
FEB 17, 2010 3

SETUP DATA WARN
FEB 17, 2010 2

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L13:91 STP
STP SUMP
FUEL ALARM
JAN 26, 2010 4:13 PM

FUEL ALARM
DEC 19, 2008 2:58 PM

FUEL ALARM
OCT 26, 2007 10:23 AM

* * * * * END * * * * *

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L11:CENTER 87 STP
STP SUMP
SETUP DATA WARNING
FEB 15, 2010 4:24 PM

SETUP DATA WARNING
FEB 15, 2010 3:23 PM

SETUP DATA WARNING
FEB 15, 2010 2:54 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 4:E.87 ANNULAR
ANNULAR SPACE
FUEL ALARM
JAN 26, 2010 12:26 PM

LOW LIQUID ALARM
JAN 25, 2010 1:25 PM

SETUP DATA WARNING
JAN 25, 2010 12:41 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L14:W.87 FILL
PIPING SUMP
FUEL ALARM
FEB 15, 2010 3:48 PM

SETUP DATA WARNING
FEB 15, 2010 3:06 PM

SETUP DATA WARNING
FEB 15, 2010 3:05 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 5:91 ANNULAR
ANNULAR SPACE
FUEL ALARM
JAN 26, 2010 4:50 PM

FUEL ALARM
JAN 26, 2010 4:49 PM

FUEL ALARM
JAN 26, 2010 12:53 PM

* * * * * END * * * * *

.ARM HISTORY REPORT

---- SENSOR ALARM -----
23:WASTE ANNULAR
NNULAR SPACE
JEL ALARM
EC 19, 2008 2:36 PM

UEL ALARM
UG 21, 2008 1:35 PM

UEL ALARM
UG 21, 2008 1:14 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L21:91 FILL
PIPING SUMP
FUEL ALARM
JAN 26, 2010 4:26 PM

FUEL ALARM
DEC 19, 2008 3:34 PM

FUEL ALARM
JAN 28, 2008 2:20 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L18:DIESEL FILL
PIPING SUMP
FUEL ALARM
JAN 26, 2010 4:26 PM

FUEL ALARM
JAN 25, 2010 1:25 PM

SETUP DATA WARNING
JAN 25, 2010 12:41 PM

* * * * * END * * * * *

ALARM HISTORY REPOR

----- SENSOR ALARM
L15:
OTHER SENSORS

* * * * * END * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L24:
OTHER SENSORS
SENSOR CUT ALARM
APR 7, 2006 8:10 AM

SETUP DATA WARNING
APR 7, 2006 8:10 AM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L22:WASTE SUMP
PIPING SUMP
FUEL ALARM
NOV 26, 2008 5:48 AM

FUEL ALARM
APR 0, 2008 2:51 AM

FUEL ALARM
FEB 22, 2008 10:57 AM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L19:CENTER 87 FILL
PIPING SUMP
FUEL ALARM
JAN 26, 2010 4:26 PM

FUEL ALARM
DEC 19, 2008 3:32 PM

FUEL ALARM
JAN 26, 2008 12:32 PM

* * * * * END * * * * *

ALARM HISTORY REP

----- SENSOR ALAR
L16:
OTHER SENSORS

* * * * * END *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L20:EAST 87 FILL
PIPING SUMP
SETUP DATA WARNING
FEB 8, 2010 12:15 PM

FUEL ALARM
JAN 26, 2010 4:26 PM

RJ Environmental
Compliance Testing for Petroleum Service Stations
Lic. # 901427
s A General Eng.
Ronnie Humphries
(559) 999-0337

Name Lebec Shell Date 2-20-10

Service address 9069 Grapevine rd. Work order #

City Lebec ZIP Phone

Dispenser Make Dispenser Model

Description of Work Performed by RJ ENVIRONMENTAL

- Installed new overfill Alarm, ran new conduits & wires to tank monitor & programed Alarm,
- Installed Stand Alone Sensors in All UDC's & wired up All dispensors to shut down if water or gas enters.

2½ day's Labor - 2 men
$ 1,850.00

DATE COMPLETE 2-20-10 Verified RJA Date

RJ ENVIRONMENTAL is not responsible for testing related defects on parts and or equipment.

RJ ENVIRONMENTAL services are paid for C.O.D unless otherwise specified in writing

QTY	PARTS NO.	INV. LOC#	DESCRIPTION & S/N	EACH	AMOUNT
1			Conduits & Wire For Overfill Alarm	1	$45.00

Total Amount $1,895.00

Customer signature [signature]

Date

CK # 2206

Name Cobec Shell Date 2/19/10

Service address 9069 Grapevine Rd. Work order #

City Cobec ZIP Phone (661) 243-6921

Dispenser Make Dispenser Model

Description of Work Performed by RJ ENVIRONMENTAL

Fix problem with 9-10. Bad sensor replaced
Disp. is now working just fine.
Yearly monitor cert.

- Monitor Cert / $450.00 -
- Labor - $50.00 -

DATE COMPLETE 2-19-10 Verified RA Date

RJ ENVIRONMENTAL is not responsible for testing related defects on parts and or equipment.

RJ ENVIRONMENTAL services are paid for C.O.D unless otherwise specified in writing

QTY	PARTS NO.	INV. LOC#	DESCRIPTION & S/N	EACH	AMOUNT

Total Amount $500.00 -

Customer signature Maria Portillo

Date

Sylvia Davy
CK# 2207

[redacted]

Name Mobil Date 2/15/10

Service address _____ Work order # _____

City Cebec ZIP _____ Phone _____

Dispenser Make _____ Dispenser Model _____

Description of Work Performed by RJ ENVIRONMENTAL

Removed old wire from turbine inside all 3 sumps. Then we took a look @ leak diesel disp. Found pan having only water in it there was no diesel in bottom of pan

Labor $150.00

DATE COMPLETE _____ Verified _____ Date _____

RJ ENVIRONMENTAL is not responsible for testing related defects on parts and or equipment.

RJ ENVIRONMENTAL services are paid for C.O.D unless otherwise specified in writing

QTY	PARTS NO.	INV. LOC#	DESCRIPTION & S/N	EACH	AMOUNT
			2 mov 1½ Hrs		

Total Amount $150.00

Customer signature [signature]

Date 2-15

CK# 3184

2 mov

Ronnie Humphries
3462 E. Brown Ave
Fresno Ca. 93703
Rjenvjro@Sbcglobal.net

RJ Environmental

Fax

CR.2442

To:	Kern County Environmental Health	**From:**	RJ Environmental
Fax:	(661)862-8701	**Pages:**	2 17
Phone:	(661)862-8700	**Date:**	1-23-10
Re:	Test Results	**CC:**	

☐ **Urgent** ☐ **For Review** ☐ **Please Comment** ☐ **Please Recycle**

• **Comments:**

Please let inspector of this site that ALL repairs were made At Lebec Shell & tesoro mobil. & need to relest overfill Alarm & PAN Sensors

Please have him call me At 559 999-0337

Appendix VI

(Copies of Monitoring System Certification form and UST Monitoring Plot Plan available at http://www.waterboards.ca.gov.)

MONITORING SYSTEM CERTIFICATION

For Use By All Jurisdictions Within the State of California

Authority Cited: Chapter 6.7, Health and Safety Code; Chapter 16, Division 3, Title 23, California Code of Regulations

This form must be used to document testing and servicing of monitoring equipment. A separate certification or report must be prepared for each monitoring system control panel by the technician who performs the work. A copy of this form must be provided to the tank system owner/operator. The owner/operator must submit a copy of this form to the local agency regulating UST systems within 30 days of test date.

A. General Information
Facility Name: LEBEL SHELL Bldg. No.:
Site Address: 9069 Grapevine Rd. City: Lebel Zip:
Facility Contact Person: Manager Contact Phone No.: (661) 322-4774
Make/Model of Monitoring System: TLS-350 Date of Testing/Servicing: 1/26/10

B. Inventory of Equipment Tested/Certified
Check the appropriate boxes to indicate specific equipment inspected/serviced:

Tank ID: T-1 (91) T-2 (87)	Tank ID: T-5 Diesel
[X] In-Tank Gauging Probe. Model: Veeder Root	[X] In-Tank Gauging Probe. Model: Veeder Root
[X] Annular Space or Vault Sensor. Model: Veeder Root	[X] Annular Space or Vault Sensor. Model: Veeder Root
[X] Piping Sump / Trench Sensor(s). Model: 208	[X] Piping Sump / Trench Sensor(s). Model: 208
[X] Fill Sump Sensor(s). Model: 208	[X] Fill Sump Sensor(s). Model: 208
[ ] Mechanical Line Leak Detector. Model:	[ ] Mechanical Line Leak Detector. Model:
[X] Electronic Line Leak Detector. Model: V.R.	[X] Electronic Line Leak Detector. Model: V.R.
[X] Tank Overfill / High-Level Sensor. Model: TLM	[X] Tank Overfill / High-Level Sensor. Model: TLM
[ ] Other (specify equipment type and model in Section E on Page 2).	[ ] Other (specify equipment type and model in Section E on Page 2).
Tank ID: T-3 (87) T-4 (87)	Tank ID: T-6 (Waste Oil)
[X] In-Tank Gauging Probe. Model: Veeder Root	[X] In-Tank Gauging Probe. Model: Veeder Root
[X] Annular Space or Vault Sensor. Model: Veeder Root	[X] Annular Space or Vault Sensor. Model:
[X] Piping Sump / Trench Sensor(s). Model: 208	[X] Piping Sump / Trench Sensor(s). Model: 208
[X] Fill Sump Sensor(s). Model: 208	[ ] Fill Sump Sensor(s). Model:
[X] Mechanical Line Leak Detector. Model:	[ ] Mechanical Line Leak Detector. Model:
[X] Electronic Line Leak Detector. Model: V.R.	[ ] Electronic Line Leak Detector. Model:
[X] Tank Overfill / High-Level Sensor. Model: TLM	[X] Tank Overfill / High-Level Sensor. Model: TLM
[ ] Other (specify equipment type and model in Section E on Page 2).	[ ] Other (specify equipment type and model in Section E on Page 2).
Dispenser ID: #1 #2	Dispenser ID: #7 #8
[X] Dispenser Containment Sensor(s). Model: Gilbarco	[X] Dispenser Containment Sensor(s). Model: Gilbarco
[X] Shear Valve(s).	[X] Shear Valve(s).
[ ] Dispenser Containment Float(s) and Chain(s).	[ ] Dispenser Containment Float(s) and Chain(s).
Dispenser ID: #3 #4	Dispenser ID: #9 #10
[X] Dispenser Containment Sensor(s). Model: Gilbarco	[X] Dispenser Containment Sensor(s). Model: Gilbarco
[X] Shear Valve(s).	[X] Shear Valve(s).
[ ] Dispenser Containment Float(s) and Chain(s).	[ ] Dispenser Containment Float(s) and Chain(s).
Dispenser ID: #5 #6	Dispenser ID: #11 #12
[X] Dispenser Containment Sensor(s). Model: Gilbarco	[X] Dispenser Containment Sensor(s). Model: Gilbarco
[X] Shear Valve(s).	[X] Shear Valve(s).
[ ] Dispenser Containment Float(s) and Chain(s	[ ] Dispenser Containment Float(s) and Chain(s).

*If the facility contains more tanks or dispensers, copy this form. Include information for every tank and dispenser at the facility.

C. **Certification - I certify that the equipment identified in this document was inspected/serviced in accordance with the manufacturers' guidelines. Attached to this Certification is information (e.g. manufacturers' checklists) necessary to verify that this information is correct and a Plot Plan showing the layout of monitoring equipment. For any equipment capable of generating such reports, I have also attached a copy of the report; *(check all that apply)*:** [X] System set-up [X] Alarm history report

Technician Name (print): Paul Zamora Signature:
Certification No.: T 33513 License. No.: 901427
Testing Company Name: RJ Environmental Phone No.:(559) 799-0379
Testing Company Address: PO Box Date of Testing/Servicing: 1/26/10

D. Results of Testing/Servicing

Software Version Installed: _____

Complete the following checklist:

X Yes	☐ No*	Is the audible alarm operational?
X Yes	☐ No*	Is the visual alarm operational?
X Yes	☐ No*	Were all sensors visually inspected, functionally tested, and confirmed operational?
X Yes	☐ No*	Were all sensors installed at lowest point of secondary containment and positioned so that other equipment will not interfere with their proper operation?
☐ Yes	☐ No* X N/A	If alarms are relayed to a remote monitoring station, is all communications equipment (e.g. modem) operational?
X Yes	☐ No* ☐ N/A	For pressurized piping systems, does the turbine automatically shut down if the piping secondary containment monitoring system detects a leak, fails to operate, or is electrically disconnected? If yes: which sensors initiate positive shut-down? *(Check all that apply)* X Sump/Trench Sensors; ☐ Dispenser Containment Sensors. Did you confirm positive shut-down due to leaks and sensor failure/disconnection? ☐ Yes; ☐ No.
X Yes	☐ No* ☐ N/A	For tank systems that utilize the monitoring system as the primary tank overfill warning device (i.e. no mechanical overfill prevention valve is installed), is the overfill warning alarm visible and audible at the tank fill point(s) and operating properly? If so, at what percent of tank capacity does the alarm trigger? 95 %
☐ Yes*	X No	Was any monitoring equipment replaced? If yes, identify specific sensors, probes, or other equipment replaced and list the manufacturer name and model for all replacement parts in Section E, below.
X Yes*	☐ No	Was liquid found inside any secondary containment systems designed as dry systems? *(Check all that apply)* ☐ Product; ☐ Water. If yes, describe causes in Section E, below.
X Yes	☐ No*	Was monitoring system set-up reviewed to ensure proper settings? Attach set up reports, if applicable
X Yes	☐ No*	Is all monitoring equipment operational per manufacturer's specifications?

*** In Section E below, describe how and when these deficiencies were or will be corrected.**

E. Comments:

F. In-Tank Gauging / SIR Equipment:

☐ Check this box if tank gauging is used only for inventory control.
☐ Check this box if no tank gauging or SIR equipment is installed.

This section must be completed if in-tank gauging equipment is used to perform leak detection monitoring.

Complete the following checklist:

☒ Yes	☐ No*	Has all input wiring been inspected for proper entry and termination, including testing for ground faults?
☒ Yes	☐ No*	Were all tank gauging probes visually inspected for damage and residue buildup?
☒ Yes	☐ No*	Was accuracy of system product level readings tested?
☒ Yes	☐ No*	Was accuracy of system water level readings tested?
☒ Yes	☐ No*	Were all probes reinstalled properly?
☒ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

*** In the Section H, below, describe how and when these deficiencies were or will be corrected.**

G. Line Leak Detectors (LLD): ☐ Check this box if LLDs are not installed.

Complete the following checklist:

☒ Yes	☐ No* ☐ N/A	For equipment start-up or annual equipment certification, was a leak simulated to verify LLD performance? *(Check all that apply)* Simulated leak rate: ☒ 3 g.p.h.; ☐ 0.1 g.p.h ; ☐ 0.2 g.p.h.
☒ Yes	☐ No*	Were all LLDs confirmed operational and accurate within regulatory requirements?
☒ Yes	☐ No*	Was the testing apparatus properly calibrated?
☒ Yes	☐ No* ☐ N/A	For mechanical LLDs, does the LLD restrict product flow if it detects a leak?
☒ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if the LLD detects a leak?
☒ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system is disabled or disconnected?
☒ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system malfunctions or fails a test?
☒ Yes	☐ No* ☐ N/A	For electronic LLDs, have all accessible wiring connections been visually inspected?
☒ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

*** In the Section H, below, describe how and when these deficiencies were or will be corrected.**

H. Comments:

SWRCB, January 2006

Spill Bucket Testing Report Form

This form is intended for use by contractors performing annual testing of UST spill containment structures. The completed form and printouts from tests (if applicable), should be provided to the facility owner/operator for submittal to the local regulatory agency.

1. FACILITY INFORMATION

Facility Name: Lebec Shell	Date of Testing: 1/26/10
Facility Address: 9069 Lockwood Valley Rd. Lebec	
Facility Contact: Manager	Phone:
Date Local Agency Was Notified of Testing :	
Name of Local Agency Inspector *(if present during testing)*:	

2. TESTING CONTRACTOR INFORMATION

Company Name: RJ Environmental	
Technician Conducting Test: P. Allen	
Credentials[1]: ☒ CSLB Contractor ☒ ICC Service Tech. ☐ SWRCB Tank Tester ☐ Other *(Specify)*	
License Number(s): V.E. 733513 Con.# Class A 901427	

3. SPILL BUCKET TESTING INFORMATION

Test Method Used:	☒ Hydrostatic ☐ Vacuum ☐ Other							
Test Equipment Used: Unsure					Equipment Resolution:			
Identify Spill Bucket *(By Tank Number, Stored Product, etc.)*	1 Fill - V.R. T-1		2 Fill V.R. T-2		3 Fill V.R. T-3		4 Fill V.R. T-4	
Bucket Installation Type:	☐ Direct Bury ☒ Contained in Sump		☐ Direct Bury ☒ Contained in Sump		☐ Direct Bury ☒ Contained in Sump		☐ Direct Bury ☒ Contained in Sump	
Bucket Diameter:	12"	12"	12"	12"	12"	12"	12"	12"
Bucket Depth:	14"	15"	14"	15"	14"	15"	14"	15"
Wait time between applying vacuum/water and start of test:								
Test Start Time (T_I):	11:30a	11:30a	11:30a	11:30a	11:30a	11:30a	11:30a	11:30a
Initial Reading (R_I):	12"	12"	12"	12"	12"	12"	12"	12"
Test End Time (T_F):	1:30p	1:30p	1:30p	1:30p	1:30p	1:30p	1:30p	1:30p
Final Reading (R_F):	12"	12"	12"	12"	12"	12"	12"	12"
Test Duration ($T_F - T_I$):	2 HR	2 HR	2 HR	2 HR	2 HR	2 HR	2 HR	2 HR
Change in Reading ($R_F - R_I$):	0	0	0	0	0	0	0	0
Pass/Fail Threshold or Criteria:	.002 In							
Test Result:	☒ Pass ☐ Fail		☒ Pass ☐ Fail		☐ Pass ☐ Fail		☒ Pass ☐ Fail	

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

CERTIFICATION OF TECHNICIAN RESPONSIBLE FOR CONDUCTING THIS TESTING

I hereby certify that all the information contained in this report is true, accurate, and in full compliance with legal requirements.

Technician's Signature: _____ Date: 1/26/10

[1] State laws and regulations do not currently require testing to be performed by a qualified contractor. However, local requirements may be more stringent.

2 of 2

SWRCB, January 2006

Spill Bucket Testing Report Form

This form is intended for use by contractors performing annual testing of UST spill containment structures. The completed form and printouts from tests (if applicable), should be provided to the facility owner/operator for submittal to the local regulatory agency.

1. FACILITY INFORMATION

Facility Name: Lebec Shell	Date of Testing: 1-26/10
Facility Address: 9067 Grapevine Rd. Lebec	
Facility Contact: Manager	Phone:
Date Local Agency Was Notified of Testing :	
Name of Local Agency Inspector *(if present during testing)*:	

2. TESTING CONTRACTOR INFORMATION

Company Name: R J Environmental	
Technician Conducting Test: P. Zavala	
Credentials[1]: ☒ CSLB Contractor ☒ ICC Service Tech. ☐ SWRCB Tank Tester ☐ Other *(Specify)*	
License Number(s): R33513 QST 901427	

3. SPILL BUCKET TESTING INFORMATION

Test Method Used:	☒ Hydrostatic	☐ Vacuum	☐ Other	
Test Equipment Used: Veeder			Equipment Resolution:	
Identify Spill Bucket *(By Tank Number, Stored Product, etc.)*	1 Unleaded	2 Waste Oil T-6	3	4
Bucket Installation Type:	☐ Direct Bury ☒ Contained in Sump	☐ Direct Bury ☒ Contained in Sump	☐ Direct Bury ☐ Contained in Sump	☐ Direct Bury ☐ Contained in Sump
Bucket Diameter:		12"		
Bucket Depth:		14"		
Wait time between applying vacuum/water and start of test:		/		
Test Start Time (T_I):		12:30 p~		
Initial Reading (R_I):		12"		
Test End Time (T_F):		1:30 p~		
Final Reading (R_F):		12"		
Test Duration ($T_F - T_I$):		1 Hr		
Change in Reading ($R_F - R_I$):		0		
Pass/Fail Threshold or Criteria:		.002 IN		
Test Result:	☐ Pass ☐ Fail	☒ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

CERTIFICATION OF TECHNICIAN RESPONSIBLE FOR CONDUCTING THIS TESTING

I hereby certify that all the information contained in this report is true, accurate, and in full compliance with legal requirements.

Technician's Signature: _____ Date: 1/26/10

[1] State laws and regulations do not currently require testing to be performed by a qualified contractor. However, local requirements may be more stringent.

SWRCB, January 2006

Spill Bucket Testing Report Form

This form is intended for use by contractors performing annual testing of UST spill containment structures. The completed form and printouts from tests (if applicable), should be provided to the facility owner/operator for submittal to the local regulatory agency.

1. FACILITY INFORMATION

Facility Name: Lebec Shell	Date of Testing: 1/26/10
Facility Address: 9069 Grapevine Rd. Lebec, CA.	
Facility Contact: [illegible]	Phone: 661-322-4774
Date Local Agency Was Notified of Testing :	
Name of Local Agency Inspector *(if present during testing)*:	

2. TESTING CONTRACTOR INFORMATION

Company Name: RJ Environmental	
Technician Conducting Test: P. Zeen	
Credentials[1]: ☒ CSLB Contractor ☒ ICC Service Tech. ☐ SWRCB Tank Tester ☐ Other *(Specify)*	
License Number(s): B 32513 Colmar A 901427	

3. SPILL BUCKET TESTING INFORMATION

Test Method Used:	☒ Hydrostatic	☐ Vacuum	☐ Other	
Test Equipment Used:			Equipment Resolution:	
Identify Spill Bucket *(By Tank Number, Stored Product, etc.)*	1 T-5	2	3	4
Bucket Installation Type:	☐ Direct Bury ☒ Contained in Sump	☐ Direct Bury ☐ Contained in Sump	☐ Direct Bury ☐ Contained in Sump	☐ Direct Bury ☐ Contained in Sump
Bucket Diameter:	12"			
Bucket Depth:	12"			
Wait time between applying vacuum/water and start of test:	Ø			
Test Start Time (T_I):	1:30 pm			
Initial Reading (R_I):	12"			
Test End Time (T_F):	2:30 pm			
Final Reading (R_F):	12"			
Test Duration ($T_F - T_I$):	1 HR			
Change in Reading ($R_F - R_I$):	Ø			
Pass/Fail Threshold or Criteria:				
Test Result:	☒ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

CERTIFICATION OF TECHNICIAN RESPONSIBLE FOR CONDUCTING THIS TESTING

I hereby certify that all the information contained in this report is true, accurate, and in full compliance with legal requirements.

Technician's Signature: [signature] Date: 1/26/10

[1] State laws and regulations do not currently require testing to be performed by a qualified contractor. However, local requirements may be more stringent.

From: EH
To: Hazmat Program
Date: 02/17/2010 8:24 AM
Subject: Fwd: FAX ATTACHED
Attachments: 61970001.pdf

>>> <EH@CO.KERN.CA.US> 02/16/2010 11:41 AM >>>

SWRCB, January 2002

Page 1 of 2

RECEIVED
JAN - 6 2009
KERN COUNTY
ENVIRONMENTAL HEALTH SERVICES

Secondary Containment Testing Report Form

This form is intended for use by contractors performing periodic testing of UST secondary containment systems. Use the appropriate pages of this form to report results for all components tested. The completed form, written test procedures, and printouts from tests (if applicable), should be provided to the facility owner/operator for submittal to the local regulatory agency.

1. FACILITY INFORMATION

Facility Name: LEBEC Shell	Date of Testing: DEC 23 2008
Facility Address: 9069 Grapevine Lebec CA 93243	
Facility Contact: Manager	Phone:
Date Local Agency Was Notified of Testing :	
Name of Local Agency Inspector *(if present during testing)*:	

2. TESTING CONTRACTOR INFORMATION

Company Name: TJC	
Technician Conducting Test: P. Zorn	
Credentials: ☒ CSLB Licensed Contractor	☐ SWRCB Licensed Tank Tester
License Type: HAZ	License Number: #822696

Manufacturer Training

Manufacturer	Component(s)	Date Training Expires
Vaporless	S. 3...	

3. SUMMARY OF TEST RESULTS

Component	Pass	Fail	Not Tested	Repairs Made	Component	Pass	Fail	Not Tested	Repairs Made
T-1 [illegible]	☒	☐	☐	☐	Fill sump	☒	☐	☐	☒
T-2 [illegible]	☒	☐	☐	☐	Fill sump	☒	☐	☐	☒
T-3 [illegible]	☒	☐	☐	☐	Fill sump	☒	☐	☐	☒
T-4 [illegible]	☒	☐	☐	☐	Fill sump	☒	☐	☐	☒
T-5 [illegible]	☒	☐	☐	☐	Fill sump	☒	☐	☐	☒
T-6 [illegible]	☒	☐	☐	☐		☐	☐	☐	☐
Pipe sump T-1	☒	☐	☐	☒	UDC #1 - #2	☒	☐	☐	☐
Pipe sump T-2	☒	☐	☐	☒	UDC #3 - #4	☒	☐	☐	☐
Pipe sump T-3	☒	☐	☐	☒	UDC #5 - #6	☒	☐	☐	☐
Pipe sump T-4	☒	☐	☐	☒	UDC #7 - #8	☒	☐	☐	☐
Pipe sump T-5	☒	☐	☐	☒	UDC #9 - #10	☒	☐	☐	☐
Pipe sump T-6	☒	☐	☐	☒	UDC #11 - #12	☒	☐	☐	☐

If hydrostatic testing was performed, describe what was done with the water after completion of tests:

CERTIFICATION OF TECHNICIAN RESPONSIBLE FOR CONDUCTING THIS TESTING

To the best of my knowledge, the facts stated in this document are accurate and in full compliance with legal requirements

Technician's Signature: [signature] Date: 12/23/08

Secondary Containment Testing Report Form

This form is intended for use by contractors performing periodic testing of UST secondary containment systems. Use the appropriate pages of this form to report results for all components tested. The completed form, written test procedures, and printouts from tests (if applicable), should be provided to the facility owner operator for submittal to the local regulatory agency.

1. FACILITY INFORMATION

Facility Name: Cebec Shell	Date of Testing: Dec 31 2008
Facility Address: 7067 Grapevine Rd. Cebec 93243	
Facility Contact: Manager	Phone:
Date Local Agency Was Notified of Testing .	
Name of Local Agency Inspector *(if present during testing)*:	

2. TESTING CONTRACTOR INFORMATION

Company Name: T.J.C.	
Technician Conducting Test: P Zuen	
Credentials: ☒ CSLB Licensed Contractor	☐ SWRCB Licensed Tank Tester
License Type: HAZ	License Number: 822696

Manufacturer Training

Manufacturer	Component(s)	Date Training Expires
VAporless	S-300	

3. SUMMARY OF TEST RESULTS

	Component	Pass	Fail	Not Tested	Repairs Made	Component	Pass	Fail	Not Tested	Repairs Made
T-1 (91)	Overspill Fill	☒	☐	☐	☐		☐	☐	☐	☐
	Overspill V.R.	☒	☐	☐	☐		☐	☐	☐	☐
T-2 (87)	Overspill Fill	☒	☐	☐	☐		☐	☐	☐	☐
	Overspill V.R.	☒	☐	☐	☐		☐	☐	☐	☐
T-3 (87)	Overspill Fill	☒	☐	☐	☐		☐	☐	☐	☐
	Overspill V.R.	☒	☐	☐	☐		☐	☐	☐	☐
T-4 (87)	Overspill Fill	☒	☐	☐	☐		☐	☐	☐	☐
	Overspill V.R.	☒	☐	☐	☐		☐	☐	☐	☐
T-5	Overspill Diesel Fill	☐	☐	☐	☐		☐	☐	☐	☐
		☐	☐	☐	☐		☐	☐	☐	☐
		☐	☐	☐	☐		☐	☐	☐	☐
		☐	☐	☐	☐		☐	☐	☐	☐

If hydrostatic testing was performed, describe what was done with the water after completion of tests:

CERTIFICATION OF TECHNICIAN RESPONSIBLE FOR CONDUCTING THIS TESTING

To the best of my knowledge, the facts stated in this document are accurate and in full compliance with legal requirements

Technician's Signature: _____ Date: _____

5. SECONDARY PIPE TESTING

Test Method Developed By:	☐ Piping Manufacturer ☐ Other *(Specify)*	☐ Industry Standard	☐ Professional Engineer
Test Method Used:	☐ Pressure ☐ Other *(Specify)*	☐ Vacuum	☐ Hydrostatic
Test Equipment Used:		Equipment Resolution:	

	Piping Run #	**Piping Run #**	**Piping Run #**	**Piping Run #**
Piping Material:				
Piping Manufacturer:				
Piping Diameter:				
Length of Piping Run:				
Product Stored:				
Method and location of piping-run isolation:				
Wait time between applying pressure/vacuum/water and starting test:				
Test Start Time:				
Initial Reading (R_I):				
Test End Time:				
Final Reading (R_F):				
Test Duration:				
Change in Reading (R_F-R_I):				
Pass/Fail Threshold or Criteria:				
Test Result:	☐ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

All pipes Are Single Wall.

N/A

6. PIPING SUMP TESTING

Test Method Developed By:	☐ Sump Manufacturer ☒ Industry Standard ☐ Professional Engineer ☐ Other *(Specify)*		
Test Method Used:	☐ Pressure ☐ Vacuum ☒ Hydrostatic ☐ Other *(Specify)*		
Test Equipment Used: Vaporless SP 300		Equipment Resolution:	

	Sump # T-1 (91)	Sump # T-3 (87)	Sump # T-4 (87)	Sump # T-2 (81)
Sump Diameter:	44"	44"	44"	44"
Sump Depth:	100"	108"	111"	108"
Sump Material:	Fiber, loss	Fiber, loss	Fiber, loss	Fiber, loss
Height from Tank Top to Top of Highest Piping Penetration:	55"	54"	55"	53"
Height from Tank Top to Lowest Electrical Penetration:	53"	51"	52"	51"
Condition of sump prior to testing:	dirty	dirty	dirty	dirty
Portion of Sump Tested[1]	2" above product	2" above product	2" above product	2" above product
Does turbine shut down when sump sensor detects liquid (both product and water)?*	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA
Turbine shutdown response time	5 sec.	5 sec.	5 sec	5 sec
Is system programmed for fail-safe shutdown?*	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA
Was fail-safe verified to be operational?*	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA
Wait time between applying pressure/vacuum/water and starting test:	1 HR	1 HR	1 HR	1 HR
Test Start Time:	10:15 am	10:37 am	11:00 am	11:25 am
Initial Reading (R_I):	400 ml	400 ml	5 cm	5 cm
Test End Time:	10:35 pm	10:57 am	11:20 am	11:45 am
Final Reading (R_F):	400 ml	400 ml	5 cm	5 cm
Test Duration:	20 min	20 min	20 min	20 min
Change in Reading (R_F-R_I):	0	0	0	0
Pass/Fail Threshold or Criteria:	.002	.002	.002	.002
Test Result:	☒ **Pass** ☐ **Fail**	☒ **Pass** ☐ **Fail**	☒ **Pass** ☐ **Fail**	☒ **Pass** ☐ **Fail**
Was sensor removed for testing?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA
Was sensor properly replaced and verified functional after testing?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

Tighten up all hose clamps and sealer around
Any bad spots on bulkheads

[1] If the entire depth of the sump is not tested, specify how much was tested. If the answer to any of the questions indicated with an asterisk (*) is "NO" or "NA", the entire sump must be tested. (See SWRCB LG-160)

6. PIPING SUMP TESTING

Test Method Developed By:	☐ Sump Manufacturer ☒ Industry Standard ☐ Professional Engineer ☐ Other *(Specify)*		
Test Method Used:	☐ Pressure ☐ Vacuum ☒ Hydrostatic ☐ Other *(Specify)*		
Test Equipment Used:	Vaporless S-300	Equipment Resolution:	

	Sump # T-5 Diesel	Sump # T-6 w.o.l	Sump #	Sump #
Sump Diameter:	44"	33"		
Sump Depth:	67"	47"		
Sump Material:	Fiberglass	Fiberglass		
Height from Tank Top to Top of Highest Piping Penetration:	12"	20"		
Height from Tank Top to Lowest Electrical Penetration:	18"	26"		
Condition of sump prior to testing:	dirty	dirty		
Portion of Sump Tested[1]	2" above product	2" above pipe		
Does turbine shut down when sump sensor detects liquid (both product and water)?*	☒ Yes ☐ No ☐ NA	☐ Yes ☒ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA
Turbine shutdown response time	10 sec.			
Is system programmed for fail-safe shutdown?*	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA
Was fail-safe verified to be operational?*	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA
Wait time between applying pressure/vacuum/water and starting test:	1 HR	1 HR		
Test Start Time:	12:00 pm	4:01 pm		
Initial Reading (R_I):	700 mL	600 mL		
Test End Time:	12:22 pm	4:23 pm		
Final Reading (R_F):	700 mL	600 mL		
Test Duration:	22 min	22 min		
Change in Reading (R_F-R_I):	0	0		
Pass/Fail Threshold or Criteria:	.02	.02		
Test Result:	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail
Was sensor removed for testing?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA
Was sensor properly replaced and verified functional after testing?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

Tighten up all hose clamp and sealed
Around any bad spots around bulkhead

[1] If the entire depth of the sump is not tested, specify how much was tested. If the answer to any of the questions indicated with an asterisk (*) is "NO" or "NA", the entire sump must be tested. (See SWRCB LG-160)

8. FILL RISER CONTAINMENT SUMP TESTING

Facility is Not Equipped With Fill Riser Containment Sumps ☐			
Fill Riser Containment Sumps are Present, but were Not Tested ☐			
Test Method Developed By:	☐ Sump Manufacturer ☐ Other (Specify)	☒ Industry Standard	☐ Professional Engineer
Test Method Used:	☐ Pressure ☐ Other (Specify)	☐ Vacuum	☒ Hydrostatic
Test Equipment Used: Vaporless S-300		Equipment Resolution:	

	Fill Sump # T-1 (91)	Fill Sump # T-3 (87)	Fill Sump # T-4 (87)	Fill Sump # T-2 (87)
Sump Diameter:	37"	37"	37"	37"
Sump Depth:	108"	107"	110"	107"
Height from Tank Top to Top of Highest Piping Penetration:	57"	60"	67"	57"
Height from Tank Top to Lowest Electrical Penetration:	66"	63"	68"	60"
Condition of sump prior to testing:	Dry	Dry	Dry	Dry
Portion of Sump Tested	2" above ring	2" above ring	2" above ring	2" above ring
Sump Material:	Fiberglass	Fiberglass	Fiberglass	Fiberglass
Wait time between applying pressure/vacuum/water and starting test:	—	—	—	—
Test Start Time:	2:10 p—	2:35 p—	3:00 p—	3:30 p—
Initial Reading (R_I):	600 mL	600 mL	600 mL	600 mL
Test End Time:	2:30 p—	2:55 p—	3:22 p—	3:53 p—
Final Reading (R_F):	600 mL	600 mL	600 mL	600 mL
Test Duration:	20 min.	20 min.	22 min.	23 min.
Change in Reading (R_F-R_I):	0	0	0	0
Pass/Fail Threshold or Criteria:	.002	.002	.002	.002
Test Result:	☒ **Pass** ☐ **Fail**	☒ **Pass** ☐ **Fail**	☒ **Pass** ☐ **Fail**	☒ **Pass** ☐ **Fail**
Is there a sensor in the sump?	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No
Does the sensor alarm when either product or water is detected?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA
Was sensor removed for testing?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA
Was sensor properly replaced and verified functional after testing?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

8. FILL RISER CONTAINMENT SUMP TESTING

Facility is Not Equipped With Fill Riser Containment Sumps ☐				
Fill Riser Containment Sumps are Present, but were Not Tested ☐				
Test Method Developed By:	☐ Sump Manufacturer ☒ Industry Standard ☐ Professional Engineer ☐ Other *(Specify)*			
Test Method Used:	☐ Pressure ☐ Vacuum ☒ Hydrostatic ☐ Other *(Specify)*			
Test Equipment Used: Vaporless J-300			Equipment Resolution:	
[redacted]	**Fill Sump #** T-5 D.	**Fill Sump #** T-6 [illegible]	**Fill Sump #**	**Fill Sump #**
Sump Diameter:	37"			
Sump Depth:	76"			
Height from Tank Top to Top of Highest Piping Penetration:	12"			
Height from Tank Top to Lowest Electrical Penetration:	22"			
Condition of sump prior to testing:	Dirty	Dirty		
Portion of Sump Tested				
Sump Material:	Fiberglass	Fiberglass		
Wait time between applying pressure/vacuum/water and starting test:	—			
Test Start Time:	3:50 pm			
Initial Reading (R_I):	600 ml			
Test End Time:	4:15 pm			
Final Reading (R_F):	600 ml			
Test Duration:	25 min			
Change in Reading (R_F-R_I):	∅			
Pass/Fail Threshold or Criteria:	.002			
Test Result:	☒ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**
Is there a sensor in the sump?	☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
Does the sensor alarm when either product or water is detected?	☒ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA
Was sensor removed for testing?	☒ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA
Was sensor properly replaced and verified functional after testing?	☒ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

4. TANK ANNULAR TESTING

Test Method Developed By:	☒ Tank Manufacturer ☐ Other *(Specify)*	☐ Industry Standard	☐ Professional Engineer
Test Method Used:	☐ Pressure ☐ Other *(Specify)*	☒ Vacuum	☐ Hydrostatic
Test Equipment Used: Vac pump - test set		Equipment Resolution:	

	Tank # T-1	Tank # T-2	Tank # T-3	Tank # T-4
Is Tank Exempt From Testing?[1]	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No
Tank Capacity:	9750 gal.	11168 gal	9816 gal.	11681 gal.
Tank Material:	Fiber Steel	Fiber Steel	Fiber Steel	Fiber Steel
Tank Manufacturer:	N/A	N/A	N/A	N/A
Product Stored:	Super	Unlead	Unlead	Unlead.
Wait time between applying pressure/vacuum/water and starting test:	—	—	—	—
Test Start Time:	10:30 Am	10:40 Am	10:51 Am	11:00 Am
Initial Reading (R_I):	-10 Hg	-10 Hg	-10 Hg	-10 Hg
Test End Time:	11:30 Am	11:40 Am	11:51 Am	12:00 pm
Final Reading (R_F):	-10 Hg	-10 Hg	-10 Hg	-10 Hg
Test Duration:	1 HR	1 HR	1 HR	1 HR
Change in Reading (R_F-R_I):	0	0	0	0
Pass/Fail Threshold or Criteria:				
Test Result:	☒ **Pass** ☐ **Fail**	☒ **Pass** ☐ **Fail**	☒ **Pass** ☐ **Fail**	☒ **Pass** ☐ **Fail**
Was sensor removed for testing?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA
Was sensor properly replaced and verified functional after testing?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

[1] Secondary containment systems where the continuous monitoring automatically monitors both the primary and se... containment, such as systems that are hydrostatically monitored or under constant vacuum, are exempt from periodic containment testing. {California Code of Regulations, Title 23, Section 2637(a)(6)}

4. TANK ANNULAR TESTING

Test Method Developed By:	☒ Tank Manufacturer	☐ Industry Standard	☐ Professional Engineer
	☐ Other *(Specify)*		
Test Method Used:	☐ Pressure	☒ Vacuum	☐ Hydrostatic
	☐ Other *(Specify)*		
Test Equipment Used: Vac. pump test Set		Equipment Resolution:	

	Tank #	Tank #	Tank #	Tank #
Is Tank Exempt From Testing?[1]	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
Tank Capacity:	9810 gal.	500 gal.		
Tank Material:	Fiber Glass			
Tank Manufacturer:	N/A			
Product Stored:	DIESEL	Waste Oil		
Wait time between applying pressure/vacuum/water and starting test:	—			
Test Start Time:	1:00 pm			
Initial Reading (R_I):	-10 Hg			
Test End Time:	2:00 pm			
Final Reading (R_F):	-10 Hg.			
Test Duration:	1 Hr			
Change in Reading (R_F-R_I):	0			
Pass/Fail Threshold or Criteria:				
Test Result:	☒ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**
Was sensor removed for testing?	☒ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA
Was sensor properly replaced and verified functional after testing?	☒ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

[1] Secondary containment systems where the continuous monitoring automatically monitors both the primary and secondary containment, such as systems that are hydrostatically monitored or under constant vacuum, are exempt from periodic containment testing. {California Code of Regulations, Title 23, Section 2637(a)(6)}

7. UNDER-DISPENSER CONTAINMENT (UDC) TESTING

Test Method Developed By:	☐ UDC Manufacturer ☒ Industry Standard ☐ Professional Engineer ☐ Other *(Specify)*		
Test Method Used:	☐ Pressure ☐ Vacuum ☒ Hydrostatic ☐ Other *(Specify)*		
Test Equipment Used: Vaporless S-300		Equipment Resolution:	

[redacted]	UDC # 1-2	UDC # 3-4	UDC # 5-6	UDC # 7-8
UDC Manufacturer:	N/A	N/A	N/A	N/A
UDC Material:	Fiberglass	Fiberglass	Fiberglass	Fiberglass
UDC Depth:	28"	28"	28"	28"
Height from UDC Bottom to Top of Highest Piping Penetration:	11"	11"	6"	8"
Height from UDC Bottom to Lowest Electrical Penetration:	8"	8"	7"	8"
Condition of UDC prior to testing:	dirty	dirty	dirty	dirty
Portion of UDC Tested[1]	2" above highest piping penetration →			
Does turbine shut down when UDC sensor detects liquid (both product and water)?*	☐ Yes ☐ No ☒ NA Chains	☐ Yes ☐ No ☒ NA Chains	☐ Yes ☐ No ☒ NA Chains	☐ Yes ☐ No ☒ NA Chains
Turbine shutdown response time				
Is system programmed for fail-safe shutdown?*	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA
Was fail-safe verified to be operational?*	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA
Wait time between applying pressure/vacuum/water and starting test	10 min	10 min	10 min	10 min
Test Start Time:	12:20 pm	1:00 pm	1:28 pm	2:00 pm
Initial Reading (R_I):	700 mL	640 mL	600 mL	700 mL
Test End Time:	12:51 pm	1:23 pm	1:50 pm	2:23 pm
Final Reading (R_F):	750 mL	640 mL	600 mL	700 mL
Test Duration:	31 min	23 min	22 min	23 min
Change in Reading (R_F-R_I):	+ 10 mL	0	0	0
Pass/Fail Threshold or Criteria:	.002	.002	.002	.002
Test Result:	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☒ Pass ☐ Fail
Was sensor removed for testing?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA
Was sensor properly replaced and verified functional after testing?	☒ Yes ☒ No ☐ NA	☒ Yes ☒ No ☐ NA	☒ Yes ☒ No ☐ NA	☒ Yes ☒ No ☐ NA

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

UDC have pan sensor but none are hooked up
I got no alarms when sensor was put under water
Monitor shows - All UDC have chain that trip when pan fills up.

[1] If the entire depth of the UDC is not tested, specify how much was tested. If the answer to any of the questions indicated with an asterisk (*) is "NO" or "NA", the entire UDC must be tested. (See SWRCB LG-160)

7. UNDER-DISPENSER CONTAINMENT (UDC) TESTING

Test Method Developed By:	☐ UDC Manufacturer	☒ Industry Standard	☐ Professional Engineer
	☐ Other *(Specify)*		
Test Method Used:	☐ Pressure	☐ Vacuum	☒ Hydrostatic
	☐ Other *(Specify)*		
Test Equipment Used: Ultra-Tech		Equipment Resolution:	

	UDC # 9-10	UDC # 11-12	UDC #	UDC #
UDC Manufacturer:	N/A	N/A		
UDC Material:	Fiberglass	Fiberglass		
UDC Depth:	28"	28"		
Height from UDC Bottom to Top of Highest Piping Penetration:	6"	9"		
Height from UDC Bottom to Lowest Electrical Penetration:	7"	5"		
Condition of UDC prior to testing:	Dirty	Good		
Portion of UDC Tested[1]	2" above highest piping penetration			
Does turbine shut down when UDC sensor detects liquid (both product and water)?*	☐ Yes ☐ No ☒ NA Chain	☐ Yes ☐ No ☒ NA Chain	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☐ NA
Turbine shutdown response time	~~Stuck~~	~~Stuck~~		
Is system programmed for fail-safe shutdown?*	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA
Was fail-safe verified to be operational?*	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA
Wait time between applying pressure/vacuum/water and starting test	10 min	10 min		
Test Start Time:	3:10 pm	3:45 pm		
Initial Reading (R_I):	600 mL	500 mL		
Test End Time:	3:33 pm	4:05 pm		
Final Reading (R_F):	600 mL	500 mL		
Test Duration:	23 min.	20 min		
Change in Reading (R_F-R_I):	0	0		
Pass/Fail Threshold or Criteria:	.002	.002		
Test Result:	☐ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**
Was sensor removed for testing?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA
Was sensor properly replaced and verified functional after testing?	☒ Yes ☒ No ☐ NA	☒ Yes ☒ No ☐ NA	☒ Yes ☒ No ☐ NA	☒ Yes ☒ No ☐ NA

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

All UDC have Chain hooked to Shear Valve

[1] If the entire depth of the UDC is not tested, specify how much was tested. If the answer to any of the questions indicated with an asterisk (*) is "NO" or "NA", the entire UDC must be tested. (See SWRCB LG-160)

9. SPILL/OVERFILL CONTAINMENT BOXES

Facility is Not Equipped With Spill/Overfill Containment Boxes ☐			
Spill/Overfill Containment Boxes are Present, but were Not Tested ☐			
Test Method Developed By:	☐ Spill Bucket Manufacturer	☒ Industry Standard	☐ Professional Engineer
	☐ Other *(Specify)*		
Test Method Used:	☐ Pressure	☐ Vacuum	☒ Hydrostatic
	☐ Other *(Specify)*		
Test Equipment Used: Fill boxes to top of rim		Equipment Resolution:	

	T-1 Spill Box # Fill	T-1 Spill Box # V.R	T-2 Spill Box # Fill	T-2 Spill Box # V.R
Bucket Diameter:	12"	12"	12"	12"
Bucket Depth:	14"	14"	14"	14"
Wait time between applying pressure/vacuum/water and starting test:	0	0	0	0
Test Start Time:	11:00a.m.	11:00a.m.	11:00a.m.	11:00a.m.
Initial Reading (R_I):	Full to top	Full to top	Full to top	Full to top
Test End Time:	12:00p.m.	12:00p.m.	12:00p.m.	12:00p.m.
Final Reading (R_F):	Full to top	Full to top	Full to top	Full to top
Test Duration:	1 HR	1 HR	1 HR	1 HR
Change in Reading (R_F-R_I):	0	0	0	0
Pass/Fail Threshold or Criteria:				
Test Result:	☒ **Pass** ☐ **Fail**	☒ **Pass** ☐ **Fail**	☒ **Pass** ☐ **Fail**	☒ **Pass** ☐ **Fail**

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

9. SPILL/OVERFILL CONTAINMENT BOXES

Facility is Not Equipped With Spill/Overfill Containment Boxes ☐				
Spill/Overfill Containment Boxes are Present, but were Not Tested ☐				
Test Method Developed By:	☐ Spill Bucket Manufacturer ☐ Other *(Specify)*	☒ Industry Standard	☐ Professional Engineer	
Test Method Used:	☐ Pressure ☐ Other *(Specify)*	☐ Vacuum	☒ Hydrostatic	
Test Equipment Used:		Equipment Resolution:		

	Fill Spill Box # U.L.		Fill Spill Box # U.L.		Diesel Spill Box #	Spill Box #
Bucket Diameter:	12"	12"	12"	12"	12"	15"
Bucket Depth:	14"	14"	14"	14"	14"	12"
Wait time between applying pressure/vacuum/water and starting test:	0	0	0	0	0	0
Test Start Time:	11:00a~	11:00a~	11:00a~	11:00a~	11:00p~	11:30a~
Initial Reading (R_I):	Full to top		Full to top		Full to top	Full to top
Test End Time:	12:00p~	12:00p~	12:00p~	12:00p~	12:00p~	12:30p~
Final Reading (R_F):	Full to top		Full to top		Empty	Full to top
Test Duration:	1 HR	1 HR	1 HR	1 HR	1 HR	1 HR
Change in Reading (R_F-R_I):	0	0	0	0	0	0
Pass/Fail Threshold or Criteria:						
Test Result:	☒ Pass ☐ Fail		☒ Pass ☐ Fail		☐ Pass ☒ Fail	☒ Pass ☐ Fail
	T-3		T-4		T-5	WASTE OIL T-6

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

Diesel bucket drains down as fast as the water goes in.

002442

MONITORING SYSTEM CERTIFICATION

For Use By All Jurisdictions Within the State of California
Authority Cited: Chapter 6.7, Health and Safety Code; Chapter 16, Division 3, Title 23, California Code of Regulations

This form must be used to document testing and servicing of monitoring equipment. A separate certification or report must be prepared for each monitoring system control panel by the technician who performs the work. A copy of this form must be provided to the tank system owner/operator. The owner/operator must submit a copy of this form to the local agency regulating UST systems within 30 days of test date.

A. General Information

Facility Name: Lebec Shell Bldg. No.:
Site Address: 9069 Grapevine rd City: Lebec Zip:
Facility Contact Person: Contact Phone No.: ( ) 333-5003
Make/Model of Monitoring System: TS 350 Date of Testing/Servicing: 12/19/08

B. Inventory of Equipment Tested/Certified

Check the appropriate boxes to indicate specific equipment inspected/serviced:

Tank ID: 87 W 1 87 E	Tank ID: Diesel
☑ In-Tank Gauging Probe. Model: MAG1 MAG 1	☑ In-Tank Gauging Probe. Model: MAG 1
☑ Annular Space or Vault Sensor. Model: 409 409	☑ Annular Space or Vault Sensor. Model: 409
☑ Piping Sump / Trench Sensor(s). Model: 208 208	☑ Piping Sump / Trench Sensor(s). Model: 208
☑ Fill Sump Sensor(s). Model: 208 208	☑ Fill Sump Sensor(s). Model: 208
☐ Mechanical Line Leak Detector. Model:	☐ Mechanical Line Leak Detector. Model:
☑ Electronic Line Leak Detector. Model: PLLD PLLD	☑ Electronic Line Leak Detector. Model: PLLD
☐ Tank Overfill / High-Level Sensor. Model:	☐ Tank Overfill / High-Level Sensor. Model:
☐ Other (specify equipment type and model in Section E on Page 2).	☐ Other (specify equipment type and model in Section E on Page 2).
Tank ID: Center 87 1 91	Tank ID: Waste oil
☑ In-Tank Gauging Probe. Model: MAG 1 MAG 1	☑ In-Tank Gauging Probe. Model: MAG 1
☑ Annular Space or Vault Sensor. Model: 409 409	☑ Annular Space or Vault Sensor. Model: 409
☑ Piping Sump / Trench Sensor(s). Model: 208 208	☑ Piping Sump / Trench Sensor(s). Model: 208
☑ Fill Sump Sensor(s). Model: 208 208	☐ Fill Sump Sensor(s). Model:
☐ Mechanical Line Leak Detector. Model:	☐ Mechanical Line Leak Detector. Model:
☑ Electronic Line Leak Detector. Model: PLLD PLLD	☐ Electronic Line Leak Detector. Model:
☐ Tank Overfill / High-Level Sensor. Model:	☐ Tank Overfill / High-Level Sensor. Model:
☐ Other (specify equipment type and model in Section E on Page 2).	☐ Other (specify equipment type and model in Section E on Page 2).
Dispenser ID: 12	Dispenser ID: 78
☐ Dispenser Containment Sensor(s). Model:	☐ Dispenser Containment Sensor(s). Model:
☑ Shear Valve(s).	☑ Shear Valve(s).
☑ Dispenser Containment Float(s) and Chain(s).	☑ Dispenser Containment Float(s) and Chain(s).
Dispenser ID: 34	Dispenser ID: 910
☐ Dispenser Containment Sensor(s). Model:	☐ Dispenser Containment Sensor(s). Model:
☑ Shear Valve(s).	☑ Shear Valve(s).
☑ Dispenser Containment Float(s) and Chain(s).	☑ Dispenser Containment Float(s) and Chain(s).
Dispenser ID: 56	Dispenser ID: 1112
☐ Dispenser Containment Sensor(s). Model:	☐ Dispenser Containment Sensor(s). Model:
☑ Shear Valve(s).	☑ Shear Valve(s).
☑ Dispenser Containment Float(s) and Chain(s).	☑ Dispenser Containment Float(s) and Chain(s).

*If the facility contains more tanks or dispensers, copy this form. Include information for every tank and dispenser at the facility.

C. Certification

I certify that the equipment identified in this document was inspected/serviced in accordance with the manufacturers' guidelines. Attached to this Certification is information (e.g. manufacturers' checklists) necessary to verify that this information is correct and a Plot Plan showing the layout of monitoring equipment. For any equipment capable of generating such reports, I have also attached a copy of the report; *(check all that apply)*: ☑ System set-up ☐ Alarm history report

Technician Name (print): Ronnie Humphries Signature:
Certification No.: A25527 License No.: A-901427
Testing Company Name: RS Environmental Phone No.: (559) [redacted] 999-0337
Site Address: 9069 Grapevine rd Date of Testing/Servicing: 12/19/08

D. Results of Testing/Servicing

Software Version Installed: _____

Complete the following checklist:

☒ Yes	☐ No*	Is the audible alarm operational?
☒ Yes	☐ No*	Is the visual alarm operational?
☒ Yes	☐ No*	Were all sensors visually inspected, functionally tested, and confirmed operational?
☒ Yes	☐ No*	Were all sensors installed at lowest point of secondary containment and positioned so that other equipment will not interfere with their proper operation?
☐ Yes	☐ No* ☒ N/A	If alarms are relayed to a remote monitoring station, is all communications equipment (e.g. modem) operational?
☒ Yes	☐ No* ☐ N/A	For pressurized piping systems, does the turbine automatically shut down if the piping secondary containment monitoring system detects a leak, fails to operate, or is electrically disconnected? If yes: which sensors initiate positive shut-down? *(Check all that apply)* ☒ Sump/Trench Sensors; ☐ Dispenser Containment Sensors. Did you confirm positive shut-down due to leaks and sensor failure/disconnection? ☒ Yes; ☐ No.
☐ Yes	☐ No* ☒ N/A	For tank systems that utilize the monitoring system as the primary tank overfill warning device (i.e. no mechanical overfill prevention valve is installed), is the overfill warning alarm visible and audible at the tank fill point(s) and operating properly? If so, at what percent of tank capacity does the alarm trigger? _____ %
☐ Yes*	☒ No	Was any monitoring equipment replaced? If yes, identify specific sensors, probes, or other equipment replaced and list the manufacturer name and model for all replacement parts in Section E, below.
☒ Yes*	☐ No	Was liquid found inside any secondary containment systems designed as dry systems? *(Check all that apply)* ☐ Product; ☐ Water. If yes, describe causes in Section E, below.
☐ Yes	☐ No*	Was monitoring system set-up reviewed to ensure proper settings? Attach set up reports, if applicable
☐ Yes	☐ No*	Is all monitoring equipment operational per manufacturer's specifications?

* In Section E below, describe how and when these deficiencies were or will be corrected.

E. Comments: there was water in waste oil tank sump & Annular Sensor was not in proper position.

put sensor back

F. In-Tank Gauging / SIR Equipment:

☐ Check this box if tank gauging is used only for inventory control.
☐ Check this box if no tank gauging or SIR equipment is installed.

This section must be completed if in-tank gauging equipment is used to perform leak detection monitoring.

Complete the following checklist:

☑ Yes	☐ No*	Has all input wiring been inspected for proper entry and termination, including testing for ground faults?
☑ Yes	☐ No*	Were all tank gauging probes visually inspected for damage and residue buildup?
☑ Yes	☐ No*	Was accuracy of system product level readings tested?
☑ Yes	☐ No*	Was accuracy of system water level readings tested?
☑ Yes	☐ No*	Were all probes reinstalled properly?
☑ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

* In the Section H, below, describe how and when these deficiencies were or will be corrected.

G. Line Leak Detectors (LLD): ☐ Check this box if LLDs are not installed.

Complete the following checklist:

☑ Yes	☐ No* ☐ N/A	For equipment start-up or annual equipment certification, was a leak simulated to verify LLD performance? *(Check all that apply)* Simulated leak rate: ☑ 3 g.p.h.; ☐ 0.1 g.p.h.; ☐ 0.2 g.p.h.
☑ Yes	☐ No*	Were all LLDs confirmed operational and accurate within regulatory requirements?
☑ Yes	☐ No*	Was the testing apparatus properly calibrated?
☐ Yes	☐ No* ☑ N/A	For mechanical LLDs, does the LLD restrict product flow if it detects a leak?
☑ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if the LLD detects a leak?
☑ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system is disabled or disconnected?
☑ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system malfunctions or fails a test?
☑ Yes	☐ No* ☐ N/A	For electronic LLDs, have all accessible wiring connections been visually inspected?
☑ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

* In the Section H, below, describe how and when these deficiencies were or will be corrected.

H. Comments: ALL three PLLD's PASSED

SWRCB, January 2002

Page ____ of ____

9. SPILL/OVERFILL CONTAINMENT BOXES

Facility is Not Equipped With Spill/Overfill Containment Boxes ☐						
Spill/Overfill Containment Boxes are Present, but were Not Tested ☐						
Test Method Developed By:	☐ Spill Bucket Manufacturer		☐ Industry Standard		☐ Professional Engineer	
	☐ Other *(Specify)*					
Test Method Used:	☐ Pressure		☐ Vacuum		☐ Hydrostatic	
	☐ Other *(Specify)*					
Test Equipment Used:					Equipment Resolution:	

	Spill Box # [redacted]		Spill Box # 91		Spill Box # Diesel	Spill Box # 81
Bucket Diameter:	11⅛"	11½"	11½"	11⅛"	11½"	11½"
Bucket Depth:	15"	15"	15"	15"	15"	15"
Wait time between applying pressure/vacuum/water and starting test:	15 min	15 min	15 min	15 min	15 min	15 min
Test Start Time:	2:30	2:30	2:30	2:30	2:30	2:30
Initial Reading (R_I):	8"	8"	8"	8"	8"	8"
Test End Time:	3:00	3:00	3:00	3:00	3:00	3:00
Final Reading (R_F):	8"	8"	8"	8"	0"	8"
Test Duration:	30 min	30 min	30 min	30 min	30 min	30 min
Change in Reading (R_F-R_I):	0"	0"	0"	0"	8"	0"
Pass/Fail Threshold or Criteria:	no decay	no decay	no decay	no decay	no decay	no decay
Test Result:	Pass / Fail		Pass / Fail		Pass / Fail	Pass / Fail

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

ALL PASSED except diesel bucket, TJC IS doing SB989, & will replace when they conduct test.

Ronnie Humphries
3462 E. Brown Ave
Fresno Ca. 93703
Rjenviro@Sbcglobal.net

RJ Environmental

Fax

To:	Kern County Environmental Health	**From:**	RJ Environmental
Fax:	(661)862-8701	**Pages:**	5
Phone:	(661)862-8700	**Date:**	12-25-08
Re:	Test Results	**CC:**	

☐ **Urgent** ☐ **For Review** ☐ **Please Comment** ☐ **Please Recycle**

- **Comments:**

LC SERVICES
527 N PARKVIEW DR
FRESNO, CA 93728

SWRCB, January 2006

Spill Bucket Testing Report Form

This form is intended for use by contractors performing annual testing of UST spill containment structures. The completed form and printouts from tests (if applicable), should be provided to the facility owner/operator for submittal to the local regulatory agency.

1. FACILITY INFORMATION

Facility Name: Shell	Date of Testing: 2-22-08
Facility Address: 9069 Grapevine Lebec Ca 93243	
Facility Contact:	Phone:
Date Local Agency Was Notified of Testing :	
Name of Local Agency Inspector *(if present during testing)*:	

2. TESTING CONTRACTOR INFORMATION

Company Name: LC Service	
Technician Conducting Test: Gary Harris	
Credentials[1]: CSLB Contractor ICC Service Tech. SWRCB Tank Tester Other *(Specify)*	
License Number(s):	

3. SPILL BUCKET TESTING INFORMATION

Test Method Used:	(Hydrostatic)	Vacuum	Other	
Test Equipment Used:	Water		Equipment Resolution:	

Identify Spill Bucket *(By Tank Number, Stored Product, etc.)*	1 Waste Oil	2	3	4
Bucket Installation Type:	Direct Bury Contained in Sump	Direct Bury Contained in Sump	Direct Bury Contained in Sump	Direct Bury Contained in Sump
Bucket Diameter:	10 1/2			
Bucket Depth:	13			
Wait time between applying vacuum/water and start of test:				
Test Start Time (T_I):	1008			
Initial Reading (R_I):	12			
Test End Time (T_F):	1115			
Final Reading (R_F):	12			
Test Duration ($T_F - T_I$):	1			
Change in Reading ($R_F - R_I$):	None			
Pass/Fail Threshold or Criteria:	Pass			
Test Result:	(Pass) Fail	Pass Fail	Pass Fail	Pass Fail

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

CERTIFICATION OF TECHNICIAN RESPONSIBLE FOR CONDUCTING THIS TESTING

I hereby certify that all the information contained in this report is true, accurate, and in full compliance with legal requirements.

Technician's Signature: _____ Date: 2-22-08

[1] State laws and regulations do not currently require testing to be performed by a qualified contractor. However, local requirements may be more stringent.

Appendix VI

(Copies of Monitoring System Certification form and UST Monitoring Plot Plan available at http://www.swrcb.ca.gov.)

MONITORING SYSTEM CERTIFICATION

For Use By All Jurisdictions Within the State of California

Authority Cited: Chapter 6.7, Health and Safety Code; Chapter 16, Division 3, Title 23, California Code of Regulations

This form must be used to document testing and servicing of monitoring equipment. A separate certification or report must be prepared for each monitoring system control panel by the technician who performs the work. A copy of this form must be provided to the tank system owner/operator. The owner/operator must submit a copy of this form to the local agency regulating UST systems within 30 days of test date.

A. General Information

Facility Name: Shell Bldg. No.:

Site Address: 9065 Grapevine City: Lebec Zip: 93243

Facility Contact Person: Contact Phone No.: ( )

Make/Model of Monitoring System: Veeder Root TLS-350R Date of Testing/Servicing: 2/22/08

B. Inventory of Equipment Tested/Certified

Check the appropriate boxes to indicate specific equipment inspected/serviced:

Tank ID: Waste Oil	**Tank ID:**
☒ In-Tank Gauging Probe. Model: Veeder Root	☐ In-Tank Gauging Probe. Model:
☒ Annular Space or Vault Sensor. Model: " "	☐ Annular Space or Vault Sensor. Model:
☒ Piping Sump / Trench Sensor(s). Model: 208	☐ Piping Sump / Trench Sensor(s). Model:
☐ Fill Sump Sensor(s). Model:	☐ Fill Sump Sensor(s). Model:
☐ Mechanical Line Leak Detector. Model:	☐ Mechanical Line Leak Detector. Model:
☐ Electronic Line Leak Detector. Model:	☐ Electronic Line Leak Detector. Model:
☐ Tank Overfill / High-Level Sensor. Model:	☐ Tank Overfill / High-Level Sensor. Model:
☐ Other (specify equipment type and model in Section E on Page 2).	☐ Other (specify equipment type and model in Section E on Page 2).
Tank ID:	**Tank ID:**
☐ In-Tank Gauging Probe. Model:	☐ In-Tank Gauging Probe. Model:
☐ Annular Space or Vault Sensor. Model:	☐ Annular Space or Vault Sensor. Model:
☐ Piping Sump / Trench Sensor(s). Model:	☐ Piping Sump / Trench Sensor(s). Model:
☐ Fill Sump Sensor(s). Model:	☐ Fill Sump Sensor(s). Model:
☐ Mechanical Line Leak Detector. Model:	☐ Mechanical Line Leak Detector. Model:
☐ Electronic Line Leak Detector. Model:	☐ Electronic Line Leak Detector. Model:
☐ Tank Overfill / High-Level Sensor. Model:	☐ Tank Overfill / High-Level Sensor. Model:
☐ Other (specify equipment type and model in Section E on Page 2).	☐ Other (specify equipment type and model in Section E on Page 2).
Dispenser ID:	**Dispenser ID:**
☐ Dispenser Containment Sensor(s). Model:	☐ Dispenser Containment Sensor(s). Model:
☐ Shear Valve(s).	☐ Shear Valve(s).
☐ Dispenser Containment Float(s) and Chain(s).	☐ Dispenser Containment Float(s) and Chain(s).
Dispenser ID:	**Dispenser ID:**
☐ Dispenser Containment Sensor(s). Model:	☐ Dispenser Containment Sensor(s). Model:
☐ Shear Valve(s).	☐ Shear Valve(s).
☐ Dispenser Containment Float(s) and Chain(s).	☐ Dispenser Containment Float(s) and Chain(s).
Dispenser ID:	**Dispenser ID:**
☐ Dispenser Containment Sensor(s). Model:	☐ Dispenser Containment Sensor(s). Model:
☐ Shear Valve(s).	☐ Shear Valve(s).
☐ Dispenser Containment Float(s) and Chain(s	☐ Dispenser Containment Float(s) and Chain(s).

*If the facility contains more tanks or dispensers, copy this form. Include information for every tank and dispenser at the facility.

C. **Certification - I certify that the equipment identified in this document was inspected/serviced in accordance with the manufacturers' guidelines. Attached to this Certification is information (e.g. manufacturers' checklists) necessary to verify that this information is correct and a Plot Plan showing the layout of monitoring equipment. For any equipment capable of generating such reports, I have also attached a copy of the report; *(check all that apply)*:** ☐ System set-up ☐ Alarm history report

Technician Name (print): Gary Harris Signature:

Certification No.: B34050 License. No.:

Testing Company Name: LC Service Phone No.: (559) 449-1730

Testing Company Address: 527 W Packwood Fresno Date of Testing/Servicing: 2/22/08

D. Results of Testing/Servicing

Software Version Installed: _____

Complete the following checklist:

☒ Yes	☐ No*	Is the audible alarm operational?
☒ Yes	☐ No*	Is the visual alarm operational?
☒ Yes	☐ No*	Were all sensors visually inspected, functionally tested, and confirmed operational?
☒ Yes	☐ No*	Were all sensors installed at lowest point of secondary containment and positioned so that other equipment will not interfere with their proper operation?
☐ Yes	☐ No* ☒ N/A	If alarms are relayed to a remote monitoring station, is all communications equipment (e.g. modem) operational?
☐ Yes	☐ No* ☒ N/A	For pressurized piping systems, does the turbine automatically shut down if the piping secondary containment monitoring system detects a leak, fails to operate, or is electrically disconnected? If yes: which sensors initiate positive shut-down? *(Check all that apply)* ☐ Sump/Trench Sensors; ☐ Dispenser Containment Sensors. Did you confirm positive shut-down due to leaks and sensor failure/disconnection? ☐ Yes; ☐ No.
☒ Yes	☐ No* ☐ N/A	For tank systems that utilize the monitoring system as the primary tank overfill warning device (i.e. no mechanical overfill prevention valve is installed), is the overfill warning alarm visible and audible at the tank fill point(s) and operating properly? If so, at what percent of tank capacity does the alarm trigger? 95 %
☐ Yes*	☒ No	Was any monitoring equipment replaced? If yes, identify specific sensors, probes, or other equipment replaced and list the manufacturer name and model for all replacement parts in Section E, below.
☐ Yes*	☒ No	Was liquid found inside any secondary containment systems designed as dry systems? *(Check all that apply)* ☐ Product; ☐ Water. If yes, describe causes in Section E, below.
☒ Yes	☐ No*	Was monitoring system set-up reviewed to ensure proper settings? Attach set up reports, if applicable
☒ Yes	☐ No*	Is all monitoring equipment operational per manufacturer's specifications?

*** In Section E below, describe how and when these deficiencies were or will be corrected.**

E. Comments:

F. In-Tank Gauging / SIR Equipment:

☐ Check this box if tank gauging is used only for inventory control.
☐ Check this box if no tank gauging or SIR equipment is installed.

This section must be completed if in-tank gauging equipment is used to perform leak detection monitoring.

Complete the following checklist:

☐ Yes	☐ No*	Has all input wiring been inspected for proper entry and termination, including testing for ground faults?
☐ Yes	☐ No*	Were all tank gauging probes visually inspected for damage and residue buildup?
☐ Yes	☐ No*	Was accuracy of system product level readings tested?
☐ Yes	☐ No*	Was accuracy of system water level readings tested?
☐ Yes	☐ No*	Were all probes reinstalled properly?
☐ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

*** In the Section H, below, describe how and when these deficiencies were or will be corrected.**

G. Line Leak Detectors (LLD):

☐ Check this box if LLDs are not installed.

Complete the following checklist: N/A

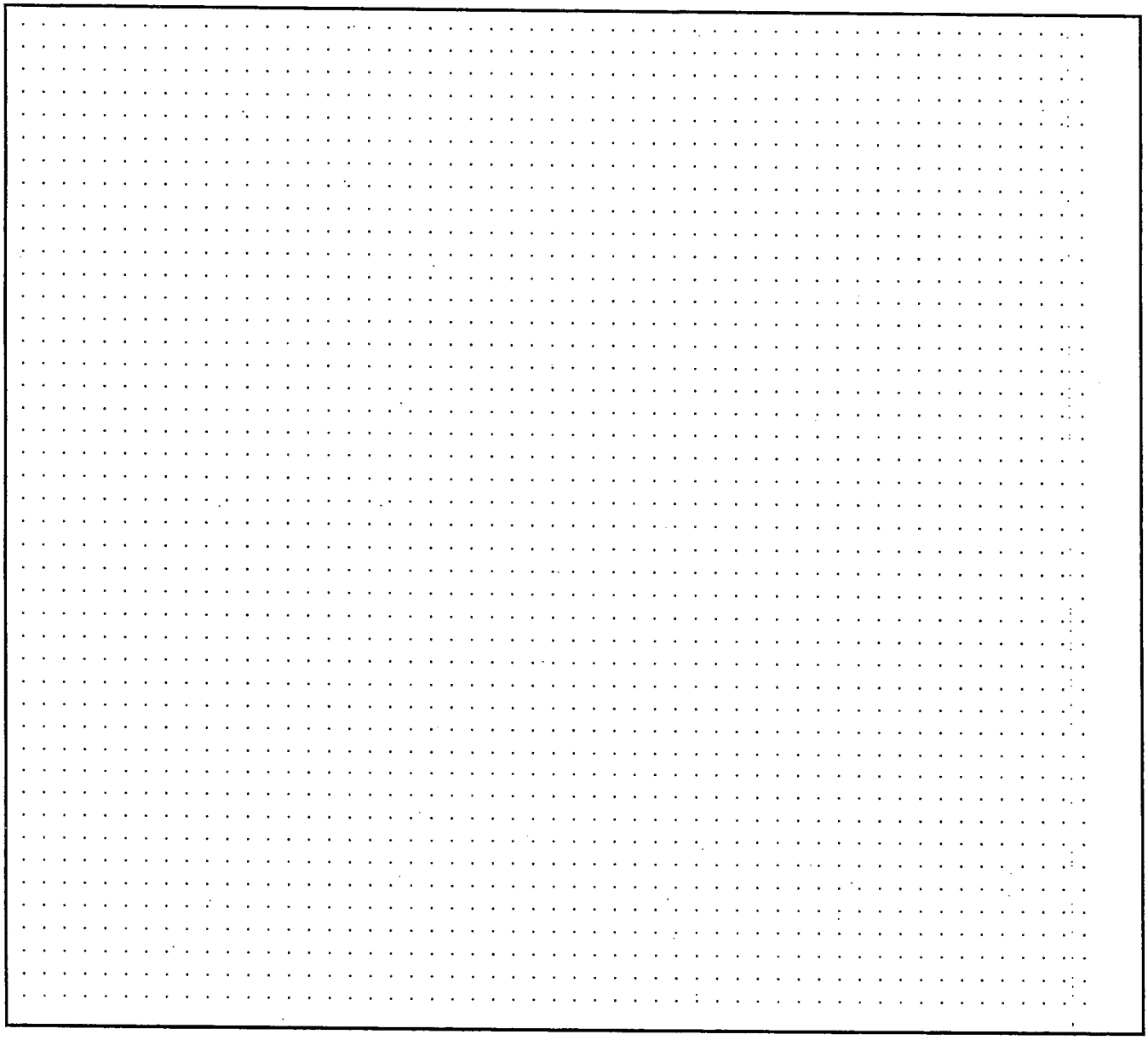
☐ Yes	☐ No* ☒ N/A	For equipment start-up or annual equipment certification, was a leak simulated to verify LLD performance? *(Check all that apply)* Simulated leak rate: ☐ 3 g.p.h.; ☐ 0.1 g.p.h ; ☐ 0.2 g.p.h.
☐ Yes	☐ No*	Were all LLDs confirmed operational and accurate within regulatory requirements?
☐ Yes	☐ No*	Was the testing apparatus properly calibrated?
☐ Yes	☐ No* ☐ N/A	For mechanical LLDs, does the LLD restrict product flow if it detects a leak?
☐ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if the LLD detects a leak?
☐ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system is disabled or disconnected?
☐ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system malfunctions or fails a test?
☐ Yes	☐ No* ☐ N/A	For electronic LLDs, have all accessible wiring connections been visually inspected?
☐ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

*** In the Section H, below, describe how and when these deficiencies were or will be corrected.**

H. Comments:

UST Monitoring Site Plan

Site Address: _____



Date map was drawn: ____/____/____.

Instructions

If you already have a diagram that shows all required information, you may include it, rather than this page, with your Monitoring System Certification. On your site plan, show the general layout of tanks and piping. Clearly identify locations of the following equipment, if installed: monitoring system control panels; sensors monitoring tank annular spaces, sumps, dispenser pans, spill containers, or other secondary containment areas; mechanical or electronic line leak detectors; and in-tank liquid level probes (if used for leak detection). In the space provided, note the date this Site Plan was prepared.

53299

SERVICES
PETROLEUM MAINTENANCE CO.
FRESNO, CA

(559) 444-1730 ★ Fax: (559) 444-1735 ★ 527 N. Parkview ★ Fresno, CA 93728 ★ License No. 706992

- ☐ Billable
- ☐ Factory Warr.
- ☐ Maintenance
- ☐ Not Billable
- ☐ Bid Job

Name: Shell #

Service Address: 9065 Grapevine Date: 2-22-08

City: Lebec CA Zip: 93243 Phone: 661-322-4779 Work Order # 45213

Dispenser Make: Veeder Root Cust. Order #

Dispenser Model: TLS 350R Close Confir. #

Dispenser Serial #: 1081#39778050C1 Parts Order #

Pump Test: Gallons: Dollar Amt:

Description of Work Performed

Return To Retest Waste oil Tank and Repair Annular sensor

Waste oil Fill
10 1/2
13
12
Complete

DATE COMPLETE 2-22-08

Unless otherwise providing by law, the seller (L.C. Services) hereby expressly disclaims all warranties, either expressed or implied, including any implied warranty of merchantability of fitness for a particular purpose, and neither assumes nor authorizes any other person to assume for it any liability in connection with the sale of said products.

Verified X [signature] Date 2-22-08

Qty	Part No.	Inv. Loc#	Description & S/N	Each	Amount

Worker	Date	Depart	Arrive	Depart	Stop	O/T		
Gary	2-22-08	920	1025	1200			Total Labor	
							Total Parts	
							Mileage	
							Sublet	
							Sales Tax	
							Total Amount	

PRESSURE LINE LEAK ALARM
Q 3:87 UNLEADED
PLLD SHUTDOWN ALARM
FEB 22, 2008 10:35 AM

----- SENSOR ALARM -----
L 9:W.87 STP
STP SUMP
FUEL ALARM
FEB 22, 2008 10:35 AM

----- SENSOR ALARM -----
L 1:W.87 ANNULAR
ANNULAR SPACE
LOW LIQUID ALARM
FEB 22, 2008 10:40 AM

----- SENSOR ALARM -----
L23:WASTE ANNULAR
ANNULAR SPACE
FUEL ALARM
FEB 22, 2008 10:50 AM

----- SENSOR ALARM -----
L22:WASTE SUMP
PIPING SUMP
FUEL ALARM
FEB 22, 2008 10:57 AM

LEBEC SHELL
9069 GRAPVINE
LEBEC,CA

FEB 22, 2008 11:20 AM

SYSTEM STATUS REPORT

T 5:DELIVERY NEEDED

MONITORING SYSTEM CERTIFICATION

For Use By All Jurisdictions Within the State of California
Authority Cited: Chapter 6.7, Health and Safety Code; Chapter 16, Division 3, Title 23, California Code of Regulations

This form must be used to document testing and servicing of monitoring equipment. A separate certification or report must be prepared for each monitoring system control panel by the technician who performs the work. A copy of this form must be provided to the tank system owner/operator. The owner/operator must submit a copy of this form to the local agency regulating UST systems within 30 days of test date.

A. General Information

Facility Name: Shell Bldg. No.:

Site Address: 9069 Grapevine City: Lebec Ca Zip: 93243

Facility Contact Person: Contact Phone No.: (661) 322-4774

Make/Model of Monitoring System: TLS-350 Date of Testing/Servicing: 10/26/07

B. Inventory of Equipment Tested/Certified

Check the appropriate boxes to indicate specific equipment inspected/serviced:

Tank ID: 87	Tank ID: 91
☒ In-Tank Gauging Probe. Model: Veed/Root	☒ In-Tank Gauging Probe. Model: Veed/Root
☒ Annular Space or Vault Sensor. Model: " "	☒ Annular Space or Vault Sensor. Model: " "
☒ Piping Sump / Trench Sensor(s). Model: 208	☒ Piping Sump / Trench Sensor(s). Model: 208
☒ Fill Sump Sensor(s). Model: 208	☒ Fill Sump Sensor(s). Model: 208
☐ Mechanical Line Leak Detector. Model:	☐ Mechanical Line Leak Detector. Model:
☒ Electronic Line Leak Detector. Model: PLLD	☒ Electronic Line Leak Detector. Model: PLLD
☒ Tank Overfill / High-Level Sensor. Model: CNI	☒ Tank Overfill / High-Level Sensor. Model: CNI
☐ Other (specify equipment type and model in Section E on Page 2).	☐ Other (specify equipment type and model in Section E on Page 2).
Tank ID: 87	Tank ID: Diesel
☒ In-Tank Gauging Probe. Model: Veed/Root	☒ In-Tank Gauging Probe. Model: Veed/Root
☒ Annular Space or Vault Sensor. Model: " "	☒ Annular Space or Vault Sensor. Model: " "
☒ Piping Sump / Trench Sensor(s). Model: 208	☒ Piping Sump / Trench Sensor(s). Model: 208
☒ Fill Sump Sensor(s). Model: 208	☒ Fill Sump Sensor(s). Model: 208
☐ Mechanical Line Leak Detector. Model:	☐ Mechanical Line Leak Detector. Model:
☒ Electronic Line Leak Detector. Model: PLLD	☒ Electronic Line Leak Detector. Model: PLLD
☒ Tank Overfill / High-Level Sensor. Model: CNI	☒ Tank Overfill / High-Level Sensor. Model: CNI
☐ Other (specify equipment type and model in Section E on Page 2).	☐ Other (specify equipment type and model in Section E on Page 2).
Dispenser ID: 1/2	Dispenser ID: 7/8
☒ Dispenser Containment Sensor(s). Model: 505	☒ Dispenser Containment Sensor(s). Model: 505
☒ Shear Valve(s).	☒ Shear Valve(s).
☐ Dispenser Containment Float(s) and Chain(s).	☐ Dispenser Containment Float(s) and Chain(s).
Dispenser ID: 3/4	Dispenser ID: 9/10
☒ Dispenser Containment Sensor(s). Model: 505	☒ Dispenser Containment Sensor(s). Model: 505
☒ Shear Valve(s).	☒ Shear Valve(s).
☐ Dispenser Containment Float(s) and Chain(s).	☐ Dispenser Containment Float(s) and Chain(s).
Dispenser ID: 5/6	Dispenser ID: 11/12
☒ Dispenser Containment Sensor(s). Model: 505	☒ Dispenser Containment Sensor(s). Model: 505
☒ Shear Valve(s).	☒ Shear Valve(s).
☐ Dispenser Containment Float(s) and Chain(s).	☐ Dispenser Containment Float(s) and Chain(s).

*If the facility contains more tanks or dispensers, copy this form. Include information for every tank and dispenser at the facility.

C. Certification

I certify that the equipment identified in this document was inspected/serviced in accordance with the manufacturers' guidelines. Attached to this Certification is information (e.g. manufacturers' checklist(s) necessary to verify that this information is correct and a Plot Plan showing the layout of monitoring equipment. For any equipment capable of generating such reports, I have also attached a copy of the report; *(check all that apply)*: ☐ System set-up ☐ Alarm history report

Technician Name (print): Gary Harris Signature:

Certification No.: 834050 License, No.:

Testing Company Name: LC Service Phone No.: (559) 449-1730

Site Address: 527 N Parkview Fresno Ca 93728 Date of Testing/Servicing: 10/26/07

D. Results of Testing/Servicing

Software Version Installed: _____

Complete the following checklist:

☒ Yes	☐ No*	Is the audible alarm operational?
☒ Yes	☐ No*	Is the visual alarm operational?
☒ Yes	☐ No*	Were all sensors visually inspected, functionally tested, and confirmed operational?
☒ Yes	☐ No*	Were all sensors installed at lowest point of secondary containment and positioned so that other equipment will not interfere with their proper operation?
☒ Yes	☐ No* ☐ N/A	If alarms are relayed to a remote monitoring station, is all communications equipment (e.g. modem) operational?
☒ Yes	☐ No* ☐ N/A	For pressurized piping systems, does the turbine automatically shut down if the piping secondary containment monitoring system detects a leak, fails to operate, or is electrically disconnected? If yes: which sensors initiate positive shut-down? *(Check all that apply)* ☒ Sump/Trench Sensors; ☒ Dispenser Containment Sensors. Did you confirm positive shut-down due to leaks and sensor failure/disconnection? ☒ Yes; ☐ No.
☒ Yes	☐ No* ☐ N/A	For tank systems that utilize the monitoring system as the primary tank overfill warning device (i.e. no mechanical overfill prevention valve is installed), is the overfill warning alarm visible and audible at the tank fill point(s) and operating properly? If so, at what percent of tank capacity does the alarm trigger? 95 %
☐ Yes*	☒ No	Was any monitoring equipment replaced? If yes, identify specific sensors, probes, or other equipment replaced and list the manufacturer name and model for all replacement parts in Section E, below.
☐ Yes*	☒ No	Was liquid found inside any secondary containment systems designed as dry systems? *(Check all that apply)* ☐ Product; ☐ Water. If yes, describe causes in Section E, below.
☒ Yes	☐ No*	Was monitoring system set-up reviewed to ensure proper settings? Attach set up reports, if applicable
☒ Yes	☐ No*	Is all monitoring equipment operational per manufacturer's specifications?

*** In Section E below, describe how and when these deficiencies were or will be corrected.**

E. Comments: _____

F. In-Tank Gauging / SIR Equipment:

☐ Check this box if tank gauging is used only for inventory control.
☐ Check this box if no tank gauging or SIR equipment is installed.

This section must be completed if in-tank gauging equipment is used to perform leak detection monitoring.

Complete the following checklist:

☐ Yes	☐ No*	Has all input wiring been inspected for proper entry and termination, including testing for ground faults?
☐ Yes	☐ No*	Were all tank gauging probes visually inspected for damage and residue buildup?
☐ Yes	☐ No*	Was accuracy of system product level readings tested?
☐ Yes	☐ No*	Was accuracy of system water level readings tested?
☐ Yes	☐ No*	Were all probes reinstalled properly?
☐ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

*** In the Section H, below, describe how and when these deficiencies were or will be corrected.**

G. Line Leak Detectors (LLD):

☐ Check this box if LLDs are not installed.

Complete the following checklist:

☒ Yes	☐ No* ☐ N/A	For equipment start-up or annual equipment certification, was a leak simulated to verify LLD performance? *(Check all that apply)* Simulated leak rate: ☒ 3 g.p.h.; ☐ 0.1 g.p.h ; ☐ 0.2 g.p.h.
☒ Yes	☐ No*	Were all LLDs confirmed operational and accurate within regulatory requirements?
☒ Yes	☐ No*	Was the testing apparatus properly calibrated?
☐ Yes	☐ No* ☐ N/A	For mechanical LLDs, does the LLD restrict product flow if it detects a leak?
☒ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if the LLD detects a leak?
☒ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system is disabled or disconnected?
☒ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system malfunctions or fails a test?
☒ Yes	☐ No* ☐ N/A	For electronic LLDs, have all accessible wiring connections been visually inspected?
☒ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

*** In the Section H, below, describe how and when these deficiencies were or will be corrected.**

H. Comments:

9. SPILL/OVERFILL CONTAINMENT BOXES

Page ___ of ___

Facility is Not Equipped With Spill/Overfill Containment Boxes ☐

Spill/Overfill Containment Boxes are Present, but were Not Tested ☐

Test Method Developed By: ☐ Spill Bucket Manufacturer ☐ Industry Standard ☐ Professional Engineer ☐ Other *(Specify)*

Test Method Used: ☐ Pressure ☐ Vacuum ☐ Hydrostatic ☐ Other *(Specify)*

Test Equipment Used:

Equipment Resolution:

	Spill Box # 87	Spill Box # 87	Spill Box # 91	Spill Box # Diesel
Bucket Diameter:				
Bucket Depth:	15	17	18	13 1/2
Wait time between applying pressure/vacuum/water and starting test:				
Test Start Time:	1000	1000	1000	1000
Initial Reading (R_I):	10 1/2	9 1/2	7 1/2	10 1/2
Test End Time:	1100	1100	1100	1000
Final Reading (R_F):	10 1/2	9 1/2	7 1/2	10 1/2
Test Duration:	1	1	1	1
Change in Reading (R_F-R_I):	None	None	None	None
Pass/Fail Threshold or Criteria:	Pass	Pass	Pass	Pass
Test Result:	☐ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

9. SPILL/OVERFILL CONTAINMENT BOXES

Page ___ of ___

Facility is Not Equipped With Spill/Overfill Containment Boxes ☐

Spill/Overfill Containment Boxes are Present, but were Not Tested ☐

Test Method Developed By: ☐ Spill Bucket Manufacturer ☐ Industry Standard ☐ Professional Engineer ☐ Other *(Specify)*

Test Method Used: ☐ Pressure ☐ Vacuum ☐ Hydrostatic ☐ Other *(Specify)*

Test Equipment Used:

Equipment Resolution:

	Spill Box #	Spill Box #	Spill Box #	Spill Box #
Bucket Diameter:	15 1/2			
Bucket Depth:	15 1/2			
Wait time between applying pressure/vacuum/water and starting test:				
Test Start Time:	1000			
Initial Reading (R_I):	8			
Test End Time:	1100			
Final Reading (R_F):	8			
Test Duration:	1			
Change in Reading (R_F-R_I):	None			
Pass/Fail Threshold or Criteria:	Pass			
Test Result:	☐ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

LEBEC SHELL
9069 GRAPVINE
LEBEC,CA

OCT 26, 2007 9:40 AM

SYSTEM STATUS REPORT

T 2:INVALID FUEL LEVEL

T 2:DELIVERY NEEDED

L14:FUEL ALARM

----- SENSOR ALARM -----
L19:CENTER 87 FILL
PIPING SUMP
FUEL ALARM
OCT 26, 2007 9:42 AM

----- SENSOR ALARM -----
L20:EAST 87 FILL
PIPING SUMP
FUEL ALARM
OCT 26, 2007 9:44 AM

----- SENSOR ALARM -----
L21:91 FILL
PIPING SUMP
FUEL ALARM
OCT 26, 2007 9:45 AM

----- SENSOR ALARM -----
L14:W.87 FILL
PIPING SUMP
SENSOR OUT ALARM
OCT 26, 2007 9:49 AM

----- SENSOR ALARM -----
L14:W.87 FILL
PIPING SUMP
SENSOR OUT ALARM
OCT 26, 2007 9:49 AM

PRESSURE LINE LEAK ALARM
Q 1:91 PREMIUM
GROSS LINE FAIL
OCT 26, 2007 10:08 AM

PRESSURE LINE LEAK ALARM
Q 1:91 PREMIUM
PLLD SHUTDOWN ALARM
OCT 26, 2007 10:08 AM

LEBEC SHELL
9069 GRAPVINE
LEBEC,CA

OCT 26, 2007 10:11 AM

SYSTEM STATUS REPORT

T 2:INVALID FUEL LEVEL

T 2:DELIVERY NEEDED

Q 1:GROSS LINE FAIL

Q 1:PLLD SHUTDOWN ALARM

LEBEC SHELL
9069 GRAPVINE
LEBEC,CA

OCT 26, 2007 10:11 AM

SYSTEM STATUS REPORT

T 2:INVALID FUEL LEVEL

T 2:DELIVERY NEEDED

Q 1:GROSS LINE FAIL

Q 1:PLLD SHUTDOWN ALARM

OCT 26. 2007 10:11 AM

SYSTEM STATUS REPORT

T 2:INVALID FUEL LEVEL

T 2:DELIVERY NEEDED

Q 1:GROSS LINE FAIL

Q 1:PLLD SHUTDOWN ALARM

PRESSURE LINE LEAK ALARM
Q 3:87 UNLEADED
GROSS LINE FAIL
OCT 26. 2007 10:17 AM

PRESSURE LINE LEAK ALARM
Q 3:87 UNLEADED
PLLD SHUTDOWN ALARM
OCT 26. 2007 10:17 AM

LEBEC SHELL
9069 GRAPVINE
LEBEC.CA

OCT 26. 2007 10:19 AM

SYSTEM STATUS REPORT

T 2:INVALID FUEL LEVEL

T 2:DELIVERY NEEDED

Q 3:GROSS LINE FAIL

Q 3:PLLD SHUTDOWN ALARM

----- SENSOR ALARM -----
L21:91 FILL
PIPING SUMP
FUEL ALARM
OCT 26. 2007 10:22 AM

----- SENSOR ALARM

----- SENSOR ALARM -----
L21:91 FILL
PIPING SUMP
FUEL ALARM
OCT 26, 2007 10:22 AM

----- SENSOR ALARM -----
L18:DIESEL FILL
PIPING SUMP
FUEL ALARM
OCT 26, 2007 10:23 AM

----- SENSOR ALARM -----
L19:CENTER 87 FILL
PIPING SUMP
FUEL ALARM
OCT 26, 2007 10:23 AM

----- SENSOR ALARM -----
L20:EAST 87 FILL
PIPING SUMP
FUEL ALARM
OCT 26, 2007 10:23 AM

PRESSURE LINE LEAK ALARM
Q 1:91 PREMIUM
PLLD SHUTDOWN ALARM
OCT 26, 2007 10:23 AM

----- SENSOR ALARM -----
L13:91 STP
STP SUMP
FUEL ALARM
OCT 26, 2007 10:23 AM

----- SENSOR ALARM -----
L14:W.87 FILL
PIPING SUMP
FUEL ALARM
OCT 26, 2007 10:23 AM

----- SENSOR ALARM -----
L14:W.87 FILL
PIPING SUMP
FUEL ALARM
OCT 26, 2007 10:23 AM

PRESSURE LINE LEAK ALARM
Q 3:87 UNLEADED
PLLD SHUTDOWN ALARM
OCT 26, 2007 10:24 AM

----- SENSOR ALARM -----
L12:E.87 STP
STP SUMP
FUEL ALARM
OCT 26, 2007 10:24 AM

----- SENSOR ALARM -----
L11:CENTER 87 STP
STP SUMP
FUEL ALARM
OCT 26, 2007 10:24 AM

PRESSURE LINE LEAK ALARM
Q 2:DIESEL
PLLD SHUTDOWN ALARM
OCT 26, 2007 10:25 AM

----- SENSOR ALARM -----
L10:DIESEL STP
STP SUMP
FUEL ALARM
OCT 26, 2007 10:25 AM

PRESSURE LINE LEAK ALARM
Q 3:87 UNLEADED
PLLD SHUTDOWN ALARM
OCT 26, 2007 10:26 AM

FUEL ALARM
OCT 26, 2007 10:25 AM

PRESSURE LINE LEAK ALARM
Q 3:87 UNLEADED
PLLD SHUTDOWN ALARM
OCT 26, 2007 10:26 AM

----- SENSOR ALARM -----
L 9:W.87 STP
STP SUMP
FUEL ALARM
OCT 26, 2007 10:26 AM

----- SENSOR ALARM -----
L 3:CENTER 87 ANNULAR
ANNULAR SPACE
LOW LIQUID ALARM
OCT 26, 2007 10:30 AM

----- SENSOR ALARM -----
L 1:W.87 ANNULAR
ANNULAR SPACE
LOW LIQUID ALARM
OCT 26, 2007 10:31 AM

----- SENSOR ALARM -----
L 5:91 ANNULAR
ANNULAR SPACE
LOW LIQUID ALARM
OCT 26, 2007 10:33 AM

----- SENSOR ALARM -----
L 2:DIESEL ANNULAR
ANNULAR SPACE
LOW LIQUID ALARM
OCT 26, 2007 10:33 AM

----- SENSOR ALARM -----
L 4:E.87 ANNULAR
ANNULAR SPACE
LOW LIQUID ALARM
OCT 26, 2007 10:34 AM

LEBEC SHELL
9069 GRAPVINE
LEBEC,CA

OCT 26, 2007 10:48 AM

SYSTEM STATUS REPORT

T 2:INVALID FUEL LEVEL

T 2:DELIVERY NEEDED

PRESSURE LINE LEAK ALARM
Q 2:DIESEL
GROSS LINE FAIL
OCT 26, 2007 11:14 AM

PRESSURE LINE LEAK ALARM
Q 2:DIESEL
PLLD SHUTDOWN ALARM
OCT 26, 2007 11:14 AM

LEBEC SHELL
9069 GRAPVINE
LEBEC,CA

OCT 26, 2007 11:25 AM

SYSTEM STATUS REPORT

T 2:INVALID FUEL LEVEL

T 2:DELIVERY NEEDED

Q 2:GROSS LINE FAIL

Q 2:PLLD SHUTDOWN ALARM

LINE LEAK LOCKOUT SETUP

LOCKOUT SCHEDULE
DAILY
START TIME: DISABLED
STOP TIME : DISABLED

LIQUID SENSOR SETUP

L 1:W.87 ANNULAR
DUAL FLOAT HYDROSTATIC
CATEGORY : ANNULAR SPACE

L 2:DIESEL ANNULAR
DUAL FLOAT HYDROSTATIC
CATEGORY : ANNULAR SPACE

L 3:CENTER 87 ANNULAR
DUAL FLOAT HYDROSTATIC
CATEGORY : ANNULAR SPACE

L 4:E.87 ANNULAR
DUAL FLOAT HYDROSTATIC
CATEGORY : ANNULAR SPACE

L 5:91 ANNULAR
DUAL FLOAT HYDROSTATIC
CATEGORY : ANNULAR SPACE

L 9:W.87 STP
TRI-STATE (SINGLE FLOAT)
CATEGORY : STP SUMP

L10:DIESEL STP
TRI-STATE (SINGLE FLOAT)
CATEGORY : STP SUMP

L11:CENTER 87 STP
TRI-STATE (SINGLE FLOAT)
CATEGORY : STP SUMP

L12:E.87 STP
TRI-STATE (SINGLE FLOAT)
CATEGORY : STP SUMP

L13:91 STP
TRI-STATE (SINGLE FLOAT)
CATEGORY : STP SUMP

L14:W.87 FILL
TRI-STATE (SINGLE FLOAT)
CATEGORY : PIPING SUMP

L18:DIESEL FILL
TRI-STATE (SINGLE FLOAT)
CATEGORY : PIPING SUMP

L21:91 FILL
TRI-STATE (SINGLE FLOAT)
CATEGORY : PIPING SUMP

L22:WASTE SUMP
TRI-STATE (SINGLE FLOAT)
CATEGORY : PIPING SUMP

L23:WASTE ANNULAR
TRI-STATE (SINGLE FLOAT)
CATEGORY : ANNULAR SPACE

PLLD LINE DISABLE SETUP

Q 1:91 PREMIUM

LIQUID SENSOR ALMS
L13:FUEL ALARM

Q 2:DIESEL

LIQUID SENSOR ALMS
L10:FUEL ALARM

Q 3:87 UNLEADED

LIQUID SENSOR ALMS
L 9:FUEL ALARM
L11:FUEL ALARM
L12:FUEL ALARM

RECEIVED

14695

MONITORING SYSTEM CERTIFICATION

JAN 8 2007

For Use By All Jurisdictions Within the State of California
Authority Cited: Chapter 6.7, Health and Safety Code; Chapter 16, Division 3, Title 23, California Code of Regulations

KERN COUNTY
ENVIRONMENTAL HEALTH SERVICES

This form must be used to document testing and servicing of monitoring equipment. A separate certification or report must be prepare for each monitoring system control panel by the technician who performs the work. A copy of this form must be provided to the tank system owner/operator. The owner/operator must submit a copy of this form to the local agency regulating UST systems within 30 days of test date.

2442

A. General Information

Facility Name: SHELL STATION (CHASE INC) Bldg. No.:

Site Address: 9069 GRAPE VINE RD City: LEBEC Zip:

Facility Contact Person: SOAELIA DARCY Contact Phone No.: ( )

Make/Model of Monitoring System: TLS-350 Date of Testing/Servicing: 10/31/06

B. Inventory of Equipment Tested/Certified

Check the appropriate boxes to indicate specific equipment inspected/serviced: NO INSPECTOR

Tank ID: UNL89 (WEST)	Tank ID: PREM91
☒ In-Tank Gauging Probe. Model: MAG	☒ In-Tank Gauging Probe. Model: MAG
☒ Annular Space or Vault Sensor. Model: 409	☒ Annular Space or Vault Sensor. Model: 409
☒ Piping Sump / Trench Sensor(s). Model: 208	☒ Piping Sump / Trench Sensor(s). Model: 208
☒ Fill Sump Sensor(s). Model: 208	☒ Fill Sump Sensor(s). Model: 208
☐ Mechanical Line Leak Detector. Model:	☐ Mechanical Line Leak Detector. Model:
☐ Electronic Line Leak Detector. Model:	☒ Electronic Line Leak Detector. Model: VEEDEK ROOT
☐ Tank Overfill / High-Level Sensor. Model:	☐ Tank Overfill / High-Level Sensor. Model:
☐ Other (specify equipment type and model in Section E on Page 2).	☐ Other (specify equipment type and model in Section E on Page 2).
Tank ID: DIESEL	Tank ID: UNL87 (EAST)
☒ In-Tank Gauging Probe. Model: MAG	☒ In-Tank Gauging Probe. Model: MAG
☒ Annular Space or Vault Sensor. Model: 409	☒ Annular Space or Vault Sensor. Model: 409
☒ Piping Sump / Trench Sensor(s). Model: 208	☒ Piping Sump / Trench Sensor(s). Model: 208
☒ Fill Sump Sensor(s). Model: 208	☒ Fill Sump Sensor(s). Model: 208
☐ Mechanical Line Leak Detector. Model:	☐ Mechanical Line Leak Detector. Model:
☒ Electronic Line Leak Detector. Model: VEEDERROOT	☒ Electronic Line Leak Detector. Model: VEEDER ROOT
☐ Tank Overfill / High-Level Sensor. Model:	☐ Tank Overfill / High-Level Sensor. Model:
☐ Other (specify equipment type and model in Section E on Page 2).	☐ Other (specify equipment type and model in Section E on Page 2).
Dispenser ID: 1,2	Dispenser ID: 3,4
☒ Dispenser Containment Sensor(s). Model: BEAUDREAUX	☒ Dispenser Containment Sensor(s). Model: BEAUDREAUX
☒ Shear Valve(s).	☒ Shear Valve(s).
☐ Dispenser Containment Float(s) and Chain(s).	☐ Dispenser Containment Float(s) and Chain(s).
Dispenser ID: 5,6	Dispenser ID: 7,8
☒ Dispenser Containment Sensor(s). Model: BEAUDREAUX	☒ Dispenser Containment Sensor(s). Model: BEAUDREAUX
☒ Shear Valve(s).	☒ Shear Valve(s).
☐ Dispenser Containment Float(s) and Chain(s).	☐ Dispenser Containment Float(s) and Chain(s).
Dispenser ID: 9,10	Dispenser ID: 11,12
☒ Dispenser Containment Sensor(s). Model: BEAUDREAUX	☒ Dispenser Containment Sensor(s). Model: BEAUDREAUX
☒ Shear Valve(s).	☒ Shear Valve(s).
☐ Dispenser Containment Float(s) and Chain(s).	☐ Dispenser Containment Float(s) and Chain(s).

*If the facility contains more tanks or dispensers, copy this form. Include information for every tank and dispenser at the facility.

C. Certification

I certify that the equipment identified in this document was inspected/serviced in accordance with the manufacturers' guidelines. Attached to this Certification is information (e.g. manufacturers' checklists) necessary to verify that this information is correct and a Plot Plan showing the layout of monitoring equipment. For any equipment capable of generating such reports, I have also attached a copy of the report; *(check all that apply):* ☒ System set-up ☒ Alarm history report

Technician Name (print): BRANDON MASON Signature:

Certification No.: B34335 License. No.: 528498O-A1

Testing Company Name: RICH ENVIRONMENTAL Phone No.: (661) 392-8687

Site Address: 9069 GRAPEVINE RD., LEBEC, CA Date of Testing/Servicing: 10/31/06

14695

MONITORING SYSTEM CERTIFICATION

For Use By All Jurisdictions Within the State of California
Authority Cite& Chapter 6 7, Health and Safety Code; Chapter 16, Division 3, Title 23, California Code ofRegulations

This form must be used to document testing and servicing of monitoring equipment. A separate certification or report must be prepare for each monitoring system control panel by the technician who performs the work. A copy of this form must be provided to the tank system owner/operator. The owner/operator must submit a copy of this form to the local agency regulating UST systems within 30 days of test date.

A. General Information

Facility Name: SHELL STATION (CHASE INC) Bldg. No.:

Site Address: 9069 GRAPEVINE RD City: LEBEC Zip:

Facility Contact Person: SOAELA DARCY Contact Phone No.: ( )

Make/Model of Monitoring System: TLS-350 Date of Testing/Servicing: 10/31/06

B. Inventory of Equipment Tested/Certified

Check the appropriate boxes to indicate specific equipment inspected/serviced: NO INSPECTION

Tank ID: 87 (CENTER	Tank ID: WASTE OIL
☒ In-Tank Gauging Probe. Model: MAG	☒ In-Tank Gauging Probe. Model: MAG
☒ Annular Space or Vault Sensor. Model: 409	☒ Annular Space or Vault Sensor. Model: 409
☒ Piping Sump / Trench Sensor(s). Model: 208	☐ Piping Sump / Trench Sensor(s). Model:
☒ Fill Sump Sensor(s). Model: 208	☒ Fill Sump Sensor(s). Model: 208
☐ Mechanical Line Leak Detector. Model:	☐ Mechanical Line Leak Detector. Model:
☐ Electronic Line Leak Detector. Model:	☐ Electronic Line Leak Detector. Model:
☐ Tank Overfill / High-Level Sensor. Model:	☐ Tank Overfill / High-Level Sensor. Model:
☐ Other (specify equipment type and model in Section E on Page 2).	☐ Other (specify equipment type and model in Section E on Page 2).
Tank ID:	Tank ID:
☐ In-Tank Gauging Probe. Model:	☐ In-Tank Gauging Probe. Model:
☐ Annular Space or Vault Sensor. Model:	☐ Annular Space or Vault Sensor. Model:
☐ Piping Sump / Trench Sensor(s). Model:	☐ Piping Sump / Trench Sensor(s). Model:
☐ Fill Sump Sensor(s). Model:	☐ Fill Sump Sensor(s). Model:
☐ Mechanical Line Leak Detector. Model:	☐ Mechanical Line Leak Detector. Model:
☐ Electronic Line Leak Detector. Model:	☐ Electronic Line Leak Detector. Model:
☐ Tank Overfill / High-Level Sensor. Model:	☐ Tank Overfill / High-Level Sensor. Model:
☐ Other (specify equipment type and model in Section E on Page 2).	☐ Other (specify equipment type and model in Section E on Page 2).
Dispenser ID:	Dispenser ID:
☐ Dispenser Containment Sensor(s). Model:	☐ Dispenser Containment Sensor(s). Model:
☐ Shear Valve(s).	☐ Shear Valve(s).
☐ Dispenser Containment Float(s) and Chain(s).	☐ Dispenser Containment Float(s) and Chain(s).
Dispenser ID:	Dispenser ID:
☐ Dispenser Containment Sensor(s). Model:	☐ Dispenser Containment Sensor(s). Model:
☐ Shear Valve(s).	☐ Shear Valve(s).
☐ Dispenser Containment Float(s) and Chain(s).	☐ Dispenser Containment Float(s) and Chain(s).
Dispenser ID:	Dispenser ID:
☐ Dispenser Containment Sensor(s). Model:	☐ Dispenser Containment Sensor(s). Model:
☐ Shear Valve(s).	☐ Shear Valve(s).
☐ Dispenser Containment Float(s) and Chain(s).	☐ Dispenser Containment Float(s) and Chain(s).

*If the facility contains more tanks or dispensers, copy this form. Include information for every tank and dispenser at the facility.

C. Certification

I certify that the equipment identified in this document was inspected/serviced in accordance with the manufacturers' guidelines. Attached to this Certification is information (e.g. manufacturers' checklists) necessary to verify that this information is correct and a Plot Plan showing the layout of monitoring equipment. For any equipment capable of generating such reports, I have also attached a copy of the report; *(check all that apply):* ☒ **System set-up** ☒ **Alarm history report**

Technician Name (print): BRANDON MASON Signature:

Certification No.: A-34335 License. No.: 528498-A

Testing Company Name: RICH ENVIRONMENTAL Phone No.: (661) 392-8687

Site Address: 9069 GRAPEVINE RD, LEBEC, CA Date of Testing/Servicing: 10/31/06

14685

D. Results of Testing/Servicing

Software Version Installed: 119.02

Complete the following checklist:

☒ Yes	☐ No*	Is the audible alarm operational?
☒ Yes	☐ No*	Is the visual alarm operational?
☒ Yes	☐ No*	Were all sensors visually inspected, functionally tested, and confin-ned operational?
☒ Yes	☐ No*	Were all sensors installed at lowest point of secondary containment and positioned so that other equipment will not interfere with their proper operation?
☐ Yes	☐ No* ☒ N/A	If alarms are relayed to a remote monitoring station, is all communications equipment (e.g. modem) operational?
☒ Yes	☐ No* ☐ N/A	For pressurized piping systems, does the turbine automatically shut down if the piping secondary containment monitoring system detects a leak, fails to operate, or is electrically disconnected? If yes: which sensors initiate positive shut-down? *(Check all that apply)* ☒ Sump/Trench Sensors; ☐ Dispenser Containment Sensors. Did you confirm positive shut-down due to leaks and sensor failure/disconnection? ☒ Yes; ☐ No.
☐ Yes	☐ No* ☒ N/A	For tank systems that utilize the monitoring system as the primary tank overfill warning device (i.e. no mechanical overfill prevention valve is installed), is the overfill warning alarm visible and audible at the tank fill point(s) and operating properly? If so, at what percent of tank capacity does the alarm trigger? %
☐ Yes*	☒ No	Was any monitoring equipment replaced? If yes, identify specific sensors, probes, or other equipment replaced and list the manufacturer name and model for all replacement parts in Section E, below.
☐ Yes*	☒ No	Was liquid found inside any secondary containment systems designed as dry systems? *(Check all that apply)* ☐ Product; ☐ Water. If yes, describe causes in Section E, below.
☒ Yes	☐ No*	Was monitoring system set-up reviewed to ensure proper settings? Attach set up reports, if applicable
☒ Yes	☐ No*	Is all monitoring equipment operational per manufacturer's specifications?

*** In Section E below, describe how and when these deficiencies were or will be corrected.**

E. Comments: SENSORS IN 87 WEST, 89 CENTER FILL SUMPS AND TURBINE SUMPS DO NOT MAKE THE MONITOR GO INTO ALARM WHEN SENSORS ARE INTRODUCED TO LIQUID.

(REPAIRED) NOV 29 RYAN MASON ICC# 526/213-4T GOT SENSORS IN 87 WEST & 87 CENTER FILL SUMPS WORKING HAVE STRIPS.

14695

F. In-Tank Gauging / SIR Equipment:

☒ Check this box if tank gauging is used only for inventory control.
☐ Check this box if no tank gauging or SIR equipment is installed.

This section must be completed if in-tank gauging equipment is used to perform leak detection monitoring.

Complete the following checklist:

☐ Yes	☐ No*	Has all input wiring been inspected for proper entry and termination, including testing for ground faults?
☐ Yes	☐ No*	Were all tank gauging probes visually inspected for damage and residue buildup?
☐ Yes	☐ No*	Was accuracy of system product level readings tested?
☐ Yes	☐ No*	Was accuracy of system water level readings tested?
☐ Yes	☐ No*	Were all probes reinstalled properly?
☐ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

*** In the Section H, below, describe how and when these deficiencies were or will be corrected.**

G. Line Leak Detectors (LLD): ☐ Check this box if LLDs are not installed.

Complete the following checklist:

☒ Yes	☐ No* ☐ N/A	For equipment start-up or annual equipment certification, was a leak simulated to verify LLD performance? *(Check all that apply)* Simulated leak rate: ☒ 3 g.p.h., ☐ 0.1 g.p.h, ☐ 0.2 g.p.h.
☒ Yes	☐ No*	Were all LLDs confirmed operational and accurate within regulatory requirements?
☒ Yes	☐ No*	Was the testing apparatus properly calibrated?
☐ Yes	☐ No* ☒ N/A	For mechanical LLDs, does the LLD restrict product flow if it detects a leak?
☒ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if the LLD detects a leak?
☒ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system is disabled or disconnected?
☒ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system malfunctions or fails a test?
☒ Yes	☐ No* ☐ N/A	For electronic LLDs, have all accessible wiring connections been visually inspected?
☒ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

*** In the Section H, below, describe how and when these deficiencies were or will be corrected.**

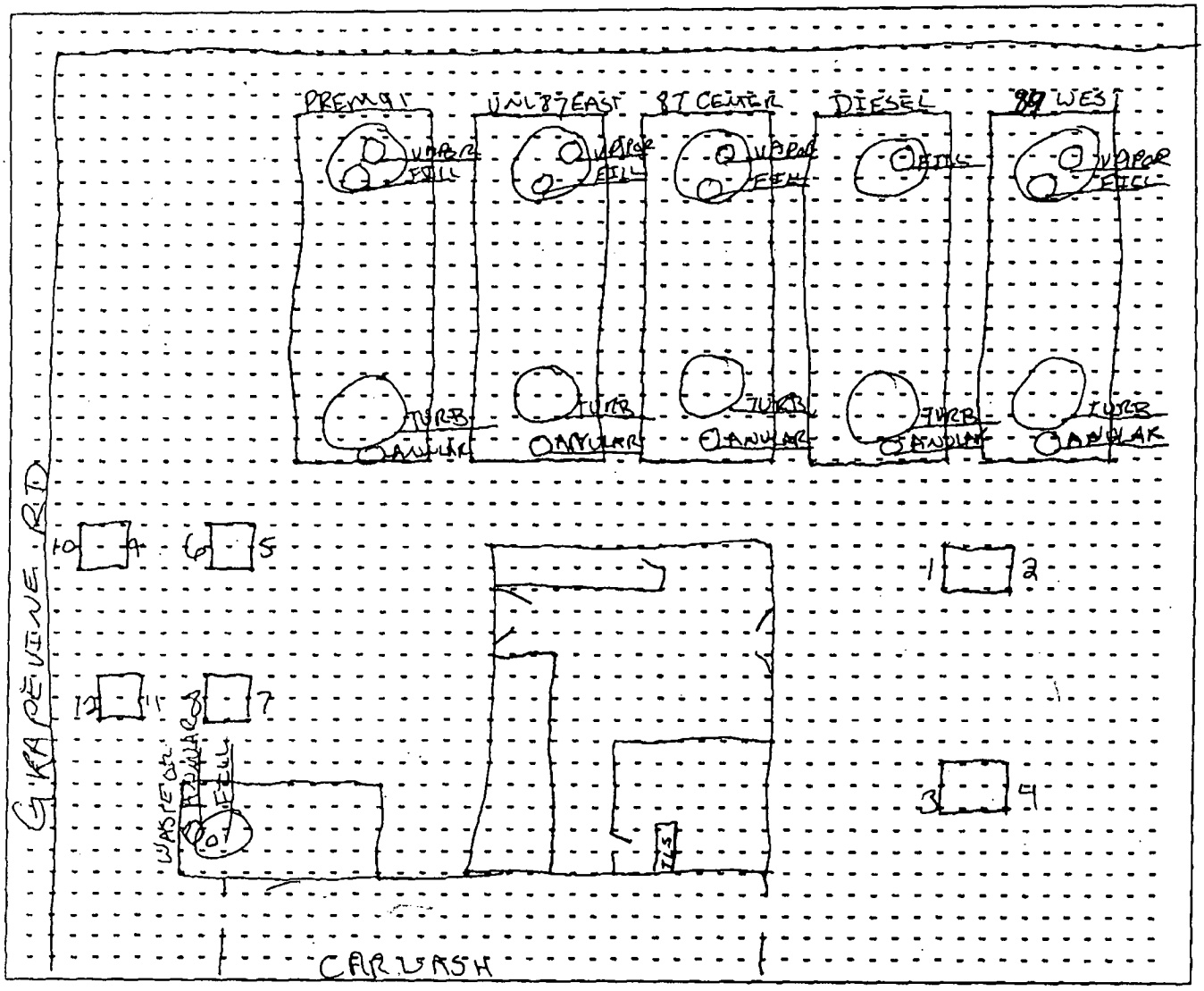
H. Comments: 87 WEST AND 87 CENTER DO NOT HAVE LEAK DETECTORS INSTALLED. 87 WEST AND 87 CENTER ARE NOT IN SERVICE AND HAVE NO FUEL IN THEM

14695

Monitoring System Certification

UST Monitoring Site Plan

Site Address: 9069 GRAPEVINE RD, LEBEC, CA



Date map was drawn: 10/31/06

Instructions

If you already have a diagram that shows all required information, you may include it, rather than this page, with your Monitoring System Certification. On your site plan, show the general layout of tanks and piping. Clearly identify locations of the following equipment, if installed: monitoring system control panels; sensors monitoring tank annular spaces, sumps, dispenser pans, spill containers, or other secondary containment areas; mechanical or electronic line leak detectors; and in-tank liquid level probes (if used for leak detection). In the space provided, note the date this Site Plan was prepared.

05100

14695

RICH ENVIRONMENTAL

5643 BROOKS CT BAKERSFIELD, CA. 93308
OFFICE (661) 392-8687 & FAX (661) 392-0621

MECHANICAL LEAK DETECTOR TEST

WORK SHEET

W/O#: _____

Facility Name: SHELL STATION (CHASE)

Facility Address: 9069 GRAPEVINE RD, LEBEC, CA

Product Line Type (Pressure, Suction, Gravity) PRESSURE

PRODUCT	LEAK DETECTOR TYPE SERIAL NUMBER	TEST BELOW 3 GPH	TRIP PSI	PASS OR FAIL
87	L/D TYPE VEEDER ROOT SERIAL # UNREADABLE	(YES) NO		(PASS) FAIL
91	L/D TYPE VEEDER ROOT SERIAL # UNREADABLE	(YES) NO		(PASS) FAIL
DIESEL	L/D TYPE VEEDER ROOT SERIAL # UNREADABLE	(YES) NO		(PASS) FAIL
	L/D TYPE _____ SERIAL # _____	YES NO		PASS FAIL

I certify the above tests were conducted on this date according to Red Jacket Pumps field test apparatus testing procedure an limitations.

The Mechanical Leak Detector Test pass / fail is determined by using a low flow threshold trip rate of 3 gallon per hour or less at 10 PSI.

I acknowledge that all data collected is true and correct to the best of my knowledge.

Tech: BRANDON MASON

Signature: _____

Date: 10-31-06

SWRCB, January 2006

Spill Bucket Testing Report Form

This form is intended for use by contractors performing annual testing of UST spill containment structures. The completed form and printouts from tests (if applicable), should be provided to the facility owner/operator for submittal to the local regulatory agency.

1. FACILITY INFORMATION

Facility Name: SHELL STATION (CHASE INC)	Date of Testing: 10-31-06
Facility Address: 9069 GRAPEVINE RD, LEREC, CA	
Facility Contact: SOAELIA DARCY	Phone:
Date Local Agency Was Notified of Testing: 10-23-06	
Name of Local Agency Inspector *(if present during testing)*: NONE	

2. TESTING CONTRACTOR INFORMATION

Company Name: RICH ENVIRONMENTAL				
Technician Conducting Test: BRANDON MASON				
Credentials[1]:	CSLB Contractor	(ICC Service Tech.)	SWRCB Tank Tester	Other *(Specify)*
License Number(s):				

3. SPILL BUCKET TESTING INFORMATION

Test Method Used:	(Hydrostatic)	Vacuum	Other	
Test Equipment Used: VISUAL			Equipment Resolution:	
Identify Spill Bucket *(By Tank Number, Stored Product, etc.)*	1 87 EAST	2 91	3 DIESEL	4 87 CENTER
Bucket Installation Type:	Direct Bury / (Contained in Sump)	Direct Bury / (Contained in Sump)	Direct Bury / (Contained in Sump)	Direct Bury / (Contained in Sump)
Bucket Diameter:	12"	12"	12"	12"
Bucket Depth:	12"	12"	12"	12"
Wait time between applying vacuum/water and start of test:	30 MIN	30 MIN	30 MIN	30 MIN
Test Start Time (T_I):	1:30 PM	1:30 PM	1:30 PM	1:30 PM
Initial Reading (R_I):	8"	7½"	7"	7½"
Test End Time (T_F):	2:30 PM	2:30 PM	2:30 PM	2:30 PM
Final Reading (R_F):	8"	7½"	7"	7½"
Test Duration ($T_F - T_I$):	1 HR	1 HR	1 HR	1 HR
Change in Reading ($R_F - R_I$):	0"	0"	0"	0"
Pass/Fail Threshold or Criteria:	0"	0"	0"	0"
Test Results:	Pass / Fail	Pass / Fail	Pass / Fail	Pass / Fail

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

CERTIFICATION OF TECHNICIAN RESPONSIBLE FOR CONDUCTING THIS TESTING

I hereby certify that all the information contained in this report is true, accurate, and in full compliance with legal requirements.

Technician's Signature: _____ Date: 10-31-06

[1] State laws and regulations do not currently require testing to be performed by a qualified contractor. However, local requirements may be more stringent.

14698

SWRCB, January 2006

Spill Bucket Testing Report Form

This form is intended for use by contractors performing annual testing of UST spill containment structures. The completed form and printouts from tests (if applicable), should be provided to the facility owner/operator for submittal to the local regulatory agency.

1. FACILITY INFORMATION

Facility Name: SHELL STATION	Date of Testing: 10-31-06
Facility Address: 9069 GRAPEVINE RD, LEBEC, CA	
Facility Contact: SOAELA DARCY	Phone:
Date Local Agency Was Notified of Testing: 10-23-06	
Name of Local Agency Inspector *(if present during testing)*: NONE	

2. TESTING CONTRACTOR INFORMATION

Company Name:	
Technician Conducting Test:	
Credentials[1]: CSLB Contractor ICC Service Tech. SWRCB Tank Tester Other *(Specify)*	
License Number(s):	

3. SPILL BUCKET TESTING INFORMATION

Test Method Used:	Hydrostatic	Vacuum	Other	
Test Equipment Used: VISUAL			Equipment Resolution:	
Identify Spill Bucket *(By Tank Number, Stored Product, etc.)*	1 87 WEST	2 WASTE OIL	3	4
Bucket Installation Type:	Direct Bury Contained in Sump	Direct Bury Contained in Sump	Direct Bury Contained in Sump	Direct Bury Contained in Sump
Bucket Diameter:	12	12"		
Bucket Depth:	12	16"		
Wait time between applying vacuum/water and start of test:	30 MIN	30 MIN		
Test Start Time (T_I):	1:30 PM	4:00PM		
Initial Reading (R_I):	8"	11"		
Test End Time (T_F):	2:30 PM	5:00PM		
Final Reading (R_F):	8"	11"		
Test Duration ($T_F - T_I$):	1HR	1HR		
Change in Reading ($R_F - R_I$):	0"	0"		
Pass/Fail Threshold or Criteria:	0"	0"		
Test Result:	Pass Fail	Pass Fail	Pass Fail	Pass Fail

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

CERTIFICATION OF TECHNICIAN RESPONSIBLE FOR CONDUCTING THIS TESTING

I hereby certify that all the information contained in this report is true, accurate, and in full compliance with legal requirements.

Technician's Signature: _____ Date: 10-31-06

[1] State laws and regulations do not currently require testing to be performed by a qualified contractor. However, local requirements may be more stringent.

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SOFTWARE REVISION LEVEL
VERSION 119.02
SOFTWARE# 346119-100-C
CREATED - 99.12.29.23.12

S-MODULE# 330160-162-A
SYSTEM FEATURES:
  PERIODIC IN-TANK TESTS
  ANNUAL IN-TANK TESTS
  CSLD
  BIR
PLLD
  0.10 AUTO
  0.20 REPETITIV
WPLLD
  0.10 AUTO
  0.20 REPETITIV

SYSTEM SETUP
- - - - - - - - - - - - - -
OCT 31, 2006 5:58 PM

SYSTEM UNITS
  U.S.
SYSTEM LANGUAGE
  ENGLISH
SYSTEM DATE/TIME FORMAT
MON DD YYYY HH:MM:SS xM

LEBEC SHELL
9069 GRAPVINE
LEBEC,CA

SHIFT TIME 1 : DISABLED
SHIFT TIME 2 : DISABLED
SHIFT TIME 3 : DISABLED
SHIFT TIME 4 : DISABLED

SHIFT BIR PRINTOUTS
DISABLED
DAILY BIR PRINTOUTS
DISABLED
TICKETED DELIVERY
DISABLED
TANK PER TST NEEDED WRN
DISABLED
TANK ANN TST NEEDED WRN
DISABLED

LINE RE-ENABLE METHOD
PASS LINE TEST

LINE PER TST NEEDED WRN
DISABLED
LINE ANN TST NEEDED WRN
DISABLED

PRINT TC VOLUMES
ENABLED

TEMP COMPENSATION
VALUE (DEG F): 60.0
STICK HEIGHT OFFSET
DISABLED

H-PROTOCOL DATA FORMAT
HEIGHT
PRECISION TEST DURATION
HOURS: 12
0.20 GPH LINE TEST
AUTO-CONFIRM: ENABLED
0.10 GPH LINE TEST
AUTO-CONFIRM: ENABLED
DAYLIGHT SAVING TIME
DISABLED
RE-DIRECT LOCAL PRINTOUT
DISABLED

EURO PROTOCOL PREFIX
S

SYSTEM SECURITY
CODE : 000000

COMMUNICATIONS SETUP
- - - - - - - - - - - - - -

PORT SETTINGS:

COMM BOARD : 5 (RS-485)
 BAUD RATE : 2400
 PARITY   : EVEN
 STOP BIT   : 1 STOP
 DATA LENGTH: 7 DATA

COMM BOARD : 6 (S-SAT)
 BAUD RATE : 9600
 PARITY   : NONE
 STOP BIT   : 1 STOP
 DATA LENGTH: 8 DATA

RECEIVER SETUP:

NONE

AUTO DIAL TIME SETUP:

NONE

RS-232 SECURITY
CODE : 000000

RS-232 END OF MESSAGE
DISABLED

AUTO DIAL ALARM SETUP
- - - - - - - - - - - - - -

IN-TANK SETUP
- - - - - - - - - - - - - -

T 1:PREMIUM 91
PRODUCT CODE   :   1
THERMAL COEFF   :.000700
TANK DIAMETER   : 90.87
TANK PROFILE   : 4 PTS
      FULL VOL   : 9750
  68.2 INCH VOL : 6480
  45.4 INCH VOL : 4000
  22.7 INCH VOL : 1507
METER DATA   : NO

FLOAT SIZE: 4.0 IN. 8496

WATER WARNING   :   1.0
HIGH WATER LIMIT: 2.0

MAX OR LABEL VOL: 9750
OVERFILL LIMIT   :   95%
                 : 9262
HIGH PRODUCT   :   90%
                 : 8775
DELIVERY LIMIT   :   15%
                 : 1462

LOW PRODUCT   :   500
LEAK ALARM LIMIT: 99
SUDDEN LOSS LIMIT: 99
TANK TILT   : 3.50

MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 0%
                 :   0

LEAK MIN ANNUAL :   0%
                 :   0

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 1 MIN

T 2:WEST 87 UNLD

PRODUCT CODE	2
THERMAL COEFF	.000700
TANK DIAMETER	90.87
TANK PROFILE	4 PTS
FULL VOL	11168
68.2 INCH VOL	9480
45.4 INCH VOL	5865
22.7 INCH VOL	2235
METER DATA	NO

FLOAT SIZE: 4.0 IN. 8496

WATER WARNING	1.0
HIGH WATER LIMIT	2.0
MAX OR LABEL VOL	11168
OVERFILL LIMIT	95%
	10609
HIGH PRODUCT	90%
	10051
DELIVERY LIMIT	15%
	1675
LOW PRODUCT	500
LEAK ALARM LIMIT	99
SUDDEN LOSS LIMIT	99
TANK TILT	5.50

MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 0%
0

LEAK MIN ANNUAL : 0%
0

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 1 MIN

T 3:EAST 87 UNLD

PRODUCT CODE	3
THERMAL COEFF	.000700
TANK DIAMETER	90.87
TANK PROFILE	4 PTS
FULL VOL	9816
68.2 INCH VOL	7966
45.4 INCH VOL	4929
22.7 INCH VOL	1869
METER DATA	NO

FLOAT SIZE: 4.0 IN. 8496

WATER WARNING	1.0
HIGH WATER LIMIT	2.0
MAX OR LABEL VOL	9816
OVERFILL LIMIT	95%
	9325
HIGH PRODUCT	90%
	8834
DELIVERY LIMIT	15%
	1472
LOW PRODUCT	500
LEAK ALARM LIMIT	99
SUDDEN LOSS LIMIT	99
TANK TILT	4.70

MANIFOLDED TANKS
T#: NONE

-44695

LEAK MIN ANNUAL : 0%
0

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 1 MIN

T 4:CENTER 87 UNLD

PRODUCT CODE	4
THERMAL COEFF	.000700
TANK DIAMETER	90.87
TANK PROFILE	4 PTS
FULL VOL	11681
68.2 INCH VOL	9480
45.4 INCH VOL	5865
22.7 INCH VOL	2235
METER DATA	NO

FLOAT SIZE: 4.0 IN. 8496

WATER WARNING	1.0
HIGH WATER LIMIT	2.0
MAX OR LABEL VOL	11681
OVERFILL LIMIT	95%
	11097
HIGH PRODUCT	90%
	10513
DELIVERY LIMIT	15%
	1752
LOW PRODUCT	500
LEAK ALARM LIMIT	99
SUDDEN LOSS LIMIT	99
TANK TILT	4.70

MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 0%
: 0

LEAK MIN ANNUAL : 0%
: 0

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 1 MIN

T 5:DIESEL
PRODUCT CODE : 5
THERMAL COEFF : .000450
TANK DIAMETER : 90.87
TANK PROFILE : 4 PTS
FULL VOL : 9816
68.2 INCH VOL : 7966
45.4 INCH VOL : 4929
22.7 INCH VOL : 1869
METER DATA : NO

FLOAT SIZE: 4.0 IN. 8496

WATER WARNING : 1.0
HIGH WATER LIMIT: 2.0

MAX OR LABEL VOL: 9816
OVERFILL LIMIT : 95%
: 9325
HIGH PRODUCT : 90%
: 8834
DELIVERY LIMIT : 15%
: 1472

LOW PRODUCT : 500
LEAK ALARM LIMIT: 99
SUDDEN LOSS LIMIT: 99
TANK TILT : 1.50

MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 0%
: 0

LEAK MIN ANNUAL : 0%
: 0

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 1 MIN

T 6:WASTE OIL
PRODUCT CODE : 6
THERMAL COEFF : .000450
TANK DIAMETER : 48.00
TANK PROFILE : 1 PT
FULL VOL : 500
METER DATA : NO

FLOAT SIZE: 4.0 IN. 8496

WATER WARNING : 2.0
HIGH WATER LIMIT: 5.0

MAX OR LABEL VOL: 500
OVERFILL LIMIT : 95%
: 475
HIGH PRODUCT : 90%
: 450
DELIVERY LIMIT : 1%
: 5

LOW PRODUCT : 1
LEAK ALARM LIMIT: 99
SUDDEN LOSS LIMIT: 99
TANK TILT : 0.00

MANIFOLDED TANKS
T#: NONE

14695

LEAK MIN ANNUAL : 0%
: 0

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 1 MIN

LEAK TEST METHOD
- - - - - - - - - - - -

TEST ON DATE : ALL TANK
JAN 1, 1996
START TIME : DISABLED
TEST RATE :0.20 GAL/HR
DURATION : 2 HOURS

LEAK TEST REPORT FORMAT
NORMAL

PRESSURE LINE LEAK SETUP
- - - - - - - - - - - - -

Q 1:91 PREMIUM

TYP:2.0 IN FIBERGLASS
LINE LENGTH: 312 FEET
0.20 GPH TEST: REPETITIV
0.10 GPH TEST: AUTO
SHUTDOWN RATE: 3.0 GPH
LOW PRESSURE SHUTOFF:NO
LOW PRESSURE : 0 PSI

T 1:PREMIUM 91
DISPENSE MODE:
STANDARD
SENSOR: NON-VENTED
PRESSURE OFFSET: 0.0PSI

14695

@ 2:DIESEL

TYP:2.0 IN FIBERGLASS
LINE LENGTH: 312 FEET
0.20 GPH TEST: REPETITIV
0.10 GPH TEST: AUTO
SHUTDOWN RATE: 3.0 GPH
LOW PRESSURE SHUTOFF:NO
LOW PRESSURE : 0 PSI

T 5:DIESEL
DISPENSE MODE:
STANDARD
SENSOR: NON-VENTED
PRESSURE OFFSET: 0.0PSI

@ 3:87 UNLEADED

TYP:2.0 IN FIBERGLASS
LINE LENGTH: 500 FEET
0.20 GPH TEST: REPETITIV
0.10 GPH TEST: AUTO
SHUTDOWN RATE: 3.0 GPH
LOW PRESSURE SHUTOFF:NO
LOW PRESSURE : 0 PSI

T 3:EAST 87 UNLD
DISPENSE MODE:
STANDARD
SENSOR: NON-VENTED
PRESSURE OFFSET: 0.0PSI

LINE LEAK LOCKOUT SETUP
- - - - - - - - - - - - - -
LOCKOUT SCHEDULE
DAILY
START TIME: DISABLED
STOP TIME : DISABLED

LIQUID SENSOR SETUP
- - - - - - - - - - - - - -

L 1:W.87 ANNULAR
DUAL FLOAT HYDROSTATIC
CATEGORY : ANNULAR SPACE

L 2:DIESEL ANNULAR
DUAL FLOAT HYDROSTATIC
CATEGORY : ANNULAR SPACE

L 3:CENTER 87 ANNULAR
DUAL FLOAT HYDROSTATIC
CATEGORY : ANNULAR SPACE

L 4:E.87 ANNULAR
DUAL FLOAT HYDROSTATIC
CATEGORY : ANNULAR SPACE

L 5:91 ANNULAR
DUAL FLOAT HYDROSTATIC
CATEGORY : ANNULAR SPACE

L 9:W.87 STP
TRI-STATE (SINGLE FLOAT)
CATEGORY : STP SUMP

L10:DIESEL STP
TRI-STATE (SINGLE FLOAT)
CATEGORY : STP SUMP

L11:CENTER 87 STP
TRI-STATE (SINGLE FLOAT)
CATEGORY : STP SUMP

L12:E.87 STP
TRI-STATE (SINGLE FLOAT)
CATEGORY : STP SUMP

L13:91 STP
TRI-STATE (SINGLE FLOAT)
CATEGORY : STP SUMP

L14:W.89 FILL
TRI-STATE (SINGLE FLOAT)
CATEGORY : PIPING SUMP

L18:DIESEL FILL
TRI-STATE (SINGLE FLOAT)
CATEGORY : PIPING SUMP

L19:CENTER 87 FILL
TRI-STATE (SINGLE FLOAT)
CATEGORY : PIPING SUMP

L20:EAST 87 FILL
TRI-STATE (SINGLE FLOAT)
CATEGORY : PIPING SUMP

L21:91 FILL
TRI-STATE (SINGLE FLOAT)
CATEGORY : PIPING SUMP

L22:WASTE SUMP
TRI-STATE (SINGLE FLOAT)
CATEGORY : PIPING SUMP

L23:WASTE ANNULAR
TRI-STATE (SINGLE FLOAT)
CATEGORY : ANNULAR SPACE

OUTPUT RELAY SETUP
- - - - - - - - - - - - - -

R 1:EAST 87 LOW
TYPE:
STANDARD
NORMALLY CLOSED

IN-TANK ALARMS
T 3:LOW PRODUCT ALARM

LIQUID SENSOR ALMS
L12:FUEL ALARM

R 2:CENTER 87 LOW
TYPE:
STANDARD
NORMALLY CLOSED

IN-TANK ALARMS
T 4:LOW PRODUCT ALARM

LIQUID SENSOR ALMS
L11:FUEL ALARM

R 3:WEST 87 LOW
TYPE:
STANDARD
NORMALLY CLOSED

IN-TANK ALARMS
T 2:LOW PRODUCT ALARM

LIQUID SENSOR ALMS
L 9:FUEL ALARM

14695

ALARM HISTORY REPORT

----- SENSOR ALARM -----
Q 1:91 PREMIUM
PLLD SHUTDOWN ALARM
OCT 31, 2006 4:09 PM

GROSS LINE FAIL
OCT 31, 2006 4:09 PM

PLLD SHUTDOWN ALARM
OCT 31, 2006 2:55 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
Q 2:DIESEL
PLLD SHUTDOWN ALARM
OCT 31, 2006 4:28 PM

GROSS LINE FAIL
OCT 31, 2006 4:28 PM

PLLD SHUTDOWN ALARM
OCT 31, 2006 2:59 PM

FUEL OUT
AUG 25, 2006 6:22 PM

PLLD OPEN ALARM
APR 7, 2006 9:01 AM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
Q 3:87 UNLEADED
PERIODIC LINE FAIL
NOV 1, 2006 3:47 AM

PLLD SHUTDOWN ALARM
OCT 31, 2006 4:06 PM

GROSS LINE FAIL
OCT 31, 2006 4:06 PM

PERIODIC LINE FAIL
OCT 24, 2006 10:07 PM

FUEL OUT
OCT 9, 2006 11:52 PM

PERIODIC LINE FAIL
SEP 26, 2006 7:31 PM

FUEL OUT
SEP 22, 2006 10:24 PM

FUEL OUT
SEP 17, 2006 7:12 PM

PERIODIC LINE FAIL
SEP 12, 2006 6:31 AM

FUEL OUT
AUG 7, 2006 5:00 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
Q 1:91 PREMIUM
PLLD SHUTDOWN ALARM
OCT 31, 2006 4:09 PM

GROSS LINE FAIL
OCT 31, 2006 4:09 PM

PLLD SHUTDOWN ALARM
OCT 31, 2006 2:55 PM

14695

PLLD LINE DISABLE SETUP

Q 1:91 PREMIUM

LIQUID SENSOR ALMS
L13:FUEL ALARM

Q 2:DIESEL

LIQUID SENSOR ALMS
L10:FUEL ALARM

Q 3:87 UNLEADED
- NO ALARM ASSIGNMENTS -

RECONCILIATION SETUP

AUTOMATIC DAILY CLOSING
TIME: 2:00 AM

AUTO SHIFT #1 CLOSING
TIME: DISABLED

AUTO SHIFT #2 CLOSING
TIME: DISABLED

AUTO SHIFT #3 CLOSING
TIME: DISABLED

AUTO SHIFT #4 CLOSING
TIME: DISABLED

PERIODIC RECONCILIATION
MODE: MONTHLY
ALARM: DISABLED

TEMP COMPENSATION
STANDARD

BUS SLOT FUEL METER TANK

TANK MAP EMPTY

ALARM HISTORY REPORT

---- IN-TANK ALARM -----

T 1:PREMIUM 91

DELIVERY NEEDED
OCT 7, 2006 11:05 AM
SEP 14, 2006 7:05 PM
SEP 9, 2006 9:04 AM

ALARM HISTORY REPORT

---- IN-TANK ALARM -----

T 2:WEST 87 UNLD

HIGH PRODUCT ALARM
MAY 12, 2006 4:53 AM
APR 17, 2006 5:20 AM

INVALID FUEL LEVEL
OCT 7, 2006 3:38 PM

DELIVERY NEEDED
OCT 7, 2006 1:44 PM
JUL 29, 2006 4:18 PM
APR 7, 2006 8:10 AM

* * * * * END * * * * *

ALARM HISTORY REPORT

---- IN-TANK ALARM -----

T 3:EAST 87 UNLD

OVERFILL ALARM
OCT 31, 2006 6:42 AM
JUL 2, 2006 4:37 PM
MAY 30, 2006 5:18 AM

HIGH PRODUCT ALARM
OCT 31, 2006 6:40 AM
AUG 19, 2006 8:44 AM
AUG 11, 2006 1:07 PM

INVALID FUEL LEVEL
OCT 18, 2006 10:49 AM
OCT 9, 2006 9:08 PM
SEP 22, 2006 8:58 PM

DELIVERY NEEDED
NOV 4, 2006 1:21 AM
OCT 18, 2006 2:25 AM
OCT 9, 2006 4:31 PM

MAX PRODUCT ALARM
OCT 31, 2006 6:43 AM
MAY 30, 2006 5:21 AM
APR 24, 2006 3:33 PM

ALARM HISTORY REPORT

---- IN-TANK ALARM -----

T 4:CENTER 87 UNLD

HIGH PRODUCT ALARM
MAY 27, 2006 11:50 PM

INVALID FUEL LEVEL
NOV 12, 2006 7:51 PM
OCT 30, 2006 5:26 PM
OCT 28, 2006 9:13 PM

DELIVERY NEEDED
NOV 12, 2006 5:29 PM
NOV 8, 2006 6:11 PM
OCT 30, 2006 12:36 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

---- IN-TANK ALARM -----

T 5:DIESEL

LOW PRODUCT ALARM
AUG 25, 2006 12:13 PM

INVALID FUEL LEVEL
AUG 25, 2006 11:38 AM

DELIVERY NEEDED
AUG 31, 2006 12:11 PM
AUG 22, 2006 9:27 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

---- IN-TANK ALARM -----

T 6:WASTE OIL

14695

ALARM HISTORY REPORT

---- IN-TANK ALARM -----

T 1:PREMIUM 91

DELIVERY NEEDED
NOV 28, 2006 12:51 PM
OCT 7, 2006 11:05 AM
SEP 14, 2006 7:05 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

---- IN-TANK ALARM -----

T 3:EAST 87 UNLD

OVERFILL ALARM
OCT 31, 2006 6:42 AM
JUL 2, 2006 4:37 PM
MAY 30, 2006 5:18 AM

HIGH PRODUCT ALARM
NOV 28, 2006 1:43 PM
OCT 31, 2006 6:40 AM
AUG 19, 2006 8:44 AM

INVALID FUEL LEVEL
NOV 23, 2006 1:05 PM
OCT 18, 2006 10:49 AM
OCT 9, 2006 9:08 PM

DELIVERY NEEDED
DEC 1, 2006 11:50 PM
NOV 23, 2006 12:02 PM
NOV 4, 2006 1:21 AM

MAX PRODUCT ALARM
OCT 31, 2006 6:43 AM
MAY 30, 2006 5:21 AM
APR 24, 2006 3:33 PM

ALARM HISTORY REPORT

---- IN-TANK ALARM -----

T 5:DIESEL

LOW PRODUCT ALARM
AUG 25, 2006 12:13 PM

INVALID FUEL LEVEL
AUG 25, 2006 11:38 AM

DELIVERY NEEDED
AUG 31, 2006 12:11 PM
AUG 22, 2006 9:27 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

---- IN-TANK ALARM -----

T 2:WEST 87 UNLD

HIGH PRODUCT ALARM
MAY 12, 2006 4:53 AM
APR 17, 2006 5:20 AM

INVALID FUEL LEVEL
OCT 7, 2006 3:38 PM

DELIVERY NEEDED
OCT 7, 2006 1:44 PM
JUL 29, 2006 4:18 PM
APR 7, 2006 8:10 AM

* * * * * END * * * * *

* * * * * END * * * * *

ALARM HISTORY REPORT

---- IN-TANK ALARM -----

T 4:CENTER 87 UNLD

HIGH PRODUCT ALARM
MAY 27, 2006 11:50 PM

INVALID FUEL LEVEL
NOV 27, 2006 1:02 AM
NOV 12, 2006 7:51 PM
OCT 30, 2006 5:26 PM

DELIVERY NEEDED
NOV 26, 2006 9:44 PM
NOV 23, 2006 2:07 AM
NOV 21, 2006 12:31 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

---- IN-TANK ALARM -----

T 6:WASTE OIL

* * * * * END * * * * *

ALARM HISTORY REPORT

---- IN-TANK ALARM -----

T 7:

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 1:W.87 ANNULAR
ANNULAR SPACE
LOW LIQUID ALARM
DEC 27, 2006 5:34 PM

SENSOR OUT ALARM
SEP 16, 2006 5:10 PM

SENSOR OUT ALARM
SEP 16, 2006 3:04 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 4:E.87 ANNULAR
ANNULAR SPACE
LOW LIQUID ALARM
OCT 31, 2006 4:52 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 9:W.87 STP
STP SUMP
FUEL ALARM
NOV 29, 2006 1:34 PM

SENSOR OUT ALARM
NOV 29, 2006 1:28 PM

FUEL ALARM
NOV 29, 2006 1:06 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM ----
L12:E.87 STP
STP SUMP
FUEL ALARM
OCT 31, 2006 2:51 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 5:91 ANNULAR
ANNULAR SPACE
LOW LIQUID ALARM
OCT 31, 2006 4:58 PM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 2:DIESEL ANNULAR
ANNULAR SPACE
LOW LIQUID ALARM
OCT 31, 2006 4:46 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L10:DIESEL STP
STP SUMP
FUEL ALARM
OCT 31, 2006 2:59 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L13:91 STP
STP SUMP
FUEL ALARM
OCT 31, 2006 2:55 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
3:CENTER 87 ANNULAR
ANNULAR SPACE
LOW LIQUID ALARM
DEC 27, 2006 5:37 PM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L11:CENTER 87 STP
STP SUMP
FUEL ALARM
NOV 29, 2006 1:24 PM

FUEL ALARM
NOV 29, 2006 1:19 PM

FUEL ALARM
NOV 29, 2006 1:16 PM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L14:W.89 FILL
PIPING SUMP
FUEL ALARM
DEC 22, 2006 3:39 AM

FUEL ALARM
APR 14, 2006 2:42 PM

FUEL ALARM
APR 7, 2006 8:10 AM

14695

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L18:DIESEL FILL
PIPING SUMP
FUEL ALARM
OCT 31, 2006 3:00 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L19:CENTER 87 FILL
PIPING SUMP
FUEL ALARM
NOV 22, 2006 4:11 AM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L20:EAST 87 FILL
PIPING SUMP
FUEL ALARM
OCT 31, 2006 2:52 PM

FUEL ALARM
AUG 7, 2006 12:59 PM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L21:91 FILL
PIPING SUMP
FUEL ALARM
OCT 31, 2006 2:56 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L22:WASTE SUMP
PIPING SUMP
FUEL ALARM
NOV 13, 2006 11:12 AM

* * * * * END * * * * *

* * * * * END

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L23:WASTE ANNULAR
ANNULAR SPACE
FUEL ALARM
NOV 13, 2006 11:03 AM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L24:
OTHER SENSORS
SENSOR OUT ALARM
APR 7, 2006 8:10 AM

SETUP DATA WARNING
APR 7, 2006 8:10 AM

* * * * * END * * * * *

14695

MONITOR CERT. FAILURE REPORT

SITE NAME: SHELL STATION (CHASE) DATE: 10-31-06

ADDRESS: 9069 GRAPEVINE RD TECHNICIAN: BRANDON MASON

CITY: LEBEC SIGNATURE:

THE FOLLOWING COMPONENTS WERE REPLACED/REPAIRED TO COMPLETE TESTING.

REPAIRS: NONE

LABOR: NONE

PARTS INTALLED: NONE

NAME: TITLE:

SIGNATURE:

THE ABOVE NAMED PERSON TAKES FULL RESPONSIBILITY OF NOTIFYING THE APPROPRIATE PARTY TO HAVE CORRECTIVE ACTION TAKEN TO REPAIR THE ABOVE LISTED PROBLEMS AND NOTIFYING RICH ENVIRONMANTAL FOR ANY NEEDED RETESTING. THIS ALSO RELEASES RICH ENVIRONMENTAL OF ANY FINES OR PENALTIES OCCURING FROM NON-COMPLIANCE.
A COPY OF THIS DOCUMENT HAS BEEN LEFT ON-SITE FOR YOUR CONVIENENCE.

Service Station Systems, Inc.

680 Quinn Avenue
San Jose, CA 95112
(408) 971-2445
(408) 971-0135 fax

330035
002442

October 26, 2005

RE: SB989 Secondary Containment Testing

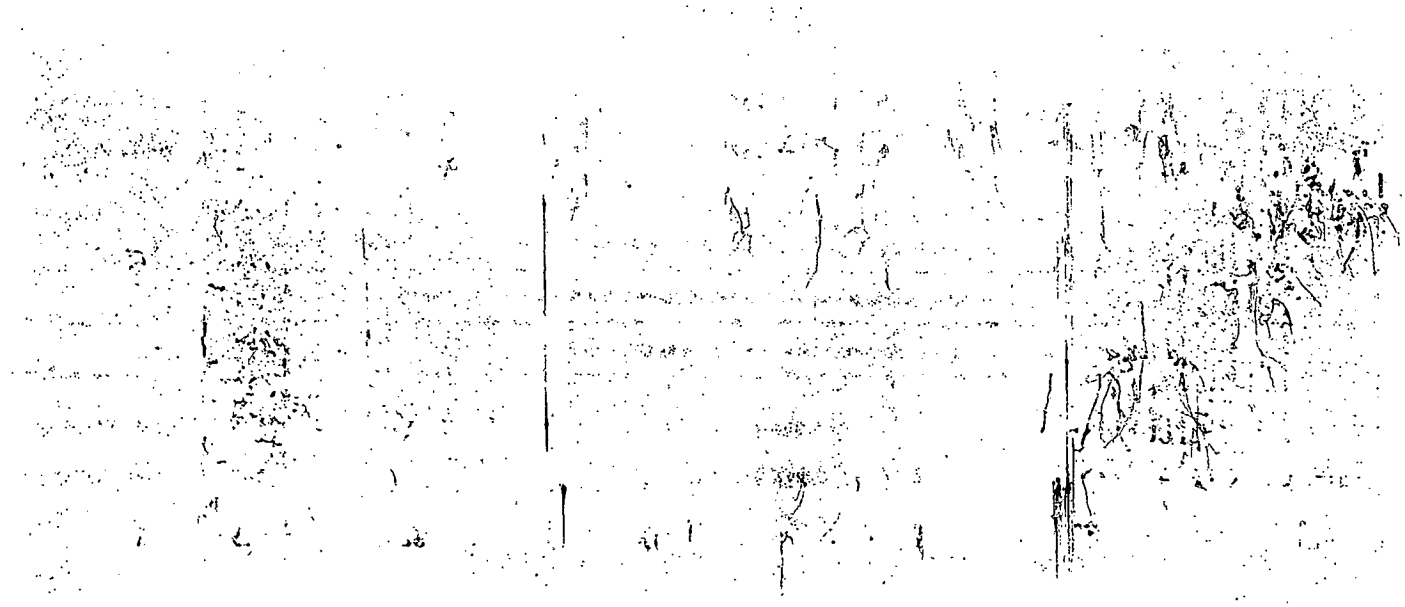
Kern County Environmental Health
2700 M. Street Suite 300
Bakersfield, CA. 93301

Dear: UST Inspector,

On behalf of Able Maintenance enclosed please find the Secondary Containment Testing results for:

Shell #121190 located **9069 Grapevine Rd., Lebec, CA 93243.**

Components Tested	Manufacturer	Date Tested	Test Performed	Pass / Fail
Tank Fill Sump-87#1	American Containment	10/11/05	Hydrostatic	Pass
Tank Fill Sump-87#2	American Containment	10/11/05	Hydrostatic	Pass
Tank Fill Sump-89	American Containment	10/11/05	Hydrostatic	Pass
Tank Fill Sump-91	American Containment	10/11/05	Hydrostatic	Pass
Tank Fill Sump-Diesel	American Containment	10/11/05	Hydrostatic	Pass
Tank Fill Sump-Waste Oil	American Containment	10/11/05	Hydrostatic	Pass
Tank STP Sump-87#1	American Containment	10/11/05	Hydrostatic	Pass
Tank STP Sump-87#2	American Containment	10/11/05	Hydrostatic	Pass
Tank STP Sump-89	American Containment	10/11/05	Hydrostatic	Pass
Tank STP Sump-91	American Containment	10/11/05	Hydrostatic	Pass
Tank STP Sump-Diesel	American Containment	10/11/05	Hydrostatic	Pass
Tank Fill Bucket-87#1	CNI 5Gal	10/11/05	Hydrostatic	Pass
Tank Fill Bucket-87#2	CNI 5Gal	10/11/05	Hydrostatic	Pass
Tank Fill Bucket-89	CNI 5Gal	10/11/05	Hydrostatic	Pass
Tank Fill Bucket-91	CNI 5Gal	10/11/05	Hydrostatic	Pass
Tank Fill Bucket-Diesel	CNI 5Gal	10/11/05	Hydrostatic	Pass
Tank Fill Bucket-Waste Oil	CNI 5Gal	10/11/05	Hydrostatic	Pass
Tank Vapor Bucket-87#1	CNI 5Gal	10/11/05	Hydrostatic	Pass
Tank Vapor Bucket-87#2	CNI 5Gal	10/11/05	Hydrostatic	Pass
Tank Vapor Bucket-89	CNI 5Gal	10/11/05	Hydrostatic	Pass
Tank Vapor Bucket-91	CNI 5Gal	10/11/05	Hydrostatic	Pass



Tanks Annular –87#1 & 87#2, 89 & 91 and DSL	Owens Corning	10/11/05	Vac (in. of Hg)	Pass
Product Line Secondary Containment-87#1	SMITH Pipe	10/11/05	Nitrogen 5 psi	Pass
Product Line Secondary Containment-87#2	SMITH Pipe	10/11/05	Nitrogen 5 psi	Pass
Product Line Secondary Containment-89	SMITH Pipe	10/11/05	Nitrogen 5 psi	Pass
Product Line Secondary Containment-91	SMITH Pipe	10/11/05	Nitrogen 5 psi	Pass
Product Line Secondary Containment-Diesel	SMITH Pipe	10/11/05	Nitrogen 5 psi	Pass
Dispenser 1&2	Western Fiberglass	10/11/05	Hydrostatic	Pass
Dispenser 3&4	Western Fiberglass	10/11/05	Hydrostatic	Pass
Dispenser 5&6	Western Fiberglass	10/11/05	Hydrostatic	Pass
Dispenser 7&8	Western Fiberglass	10/11/05	Hydrostatic	Pass
Dispenser 9&10	Western Fiberglass	10/11/05	Hydrostatic	Pass
Dispenser 11&12	Western Fiberglass	10/11/05	Hydrostatic	Pass

If you have any questions regarding this submittal, please contact Colleen Marone at (408) 213-5103.

Sincerely,

Colleen A. Marone

Shell Oil Products U.S.

Site Test Log Form

Testing Contractor: Able Maintenance
UST Service Technician I.C.C.#: 5254517-UT

Containment Sumps

Site #: Shell #121190 (6mo. Follow up)
Address: 9069 Grapevine Rd.
City: Lebec, CA 93243
Technician: James Moore Date: 10/11/05

Tank (Grade)	Description (Manufacturer, Specs)	Condition (Repair Notes)
1. 87#1 - FILL	AMERICAN CONTAINMENT	
2. 87#2 - FILL	AMERICAN CONTAINMENT	

Test Time (HH:MM) Start / Finish	Test Results Pass / Fail	Test Notes
1. 1:31 - 1:43PM	PASS	**Start Level: 10.61840**
		End Level: 10.61804
2. 1:30 - 1:42PM	PASS	**Start Level: 11.16021**
		End Level: 11.16063

Tank (Grade)	Description (Manufacturer, Specs)	Condition (Repair Notes)
1. 89 - FILL	AMERICAN CONTAINMENT	
2. 91 - FILL	AMERICAN CONTAINMENT	

Test Time (HH:MM) Start / Finish	Test Results Pass / Fail	Test Notes
1. 4:13 - 4:25PM	PASS	**Start Level: 11.02171**
		End Level: 11.02299
2. 4:14 - 4:26PM	PASS	**Start Level: 10.77549**
		End Level: 10.77549

Tank (Grade)	Description (Manufacturer, Specs)	Condition (Repair Notes)
1. DSL - FILL	AMERICAN CONTAINMENT	
2. WASTE OIL - FILL	AMERICAN CONTAINMENT	

Test Time (HH:MM) Start / Finish	Test Results Pass / Fail	Test Notes
1. 1:05 - 1:17PM	PASS	**Start Level: 13.13619**
		End Level: 13.13687
2. 2:51 - 3:03PM	PASS	**Start Level: 7.50439**
		End Level: 7.50380

Tank (Grade)	Description (Manufacturer, Specs)	Condition (Repair Notes)
1. 87#1 - STP	AMERICAN CONTAINMENT	
2. 87#2 - STP	AMERICAN CONTAINMENT	

Test Time (HH:MM) Start / Finish	Test Results Pass / Fail	Test Notes
1. 3:50 - 4:02PM	PASS	**Start Level: 11.42911**
		End Level: 11.42955
2. 3:50 - 4:02PM	PASS	**Start Level: 9.55053**
		End Level: 9.55035

Tank (Grade)	Description (Manufacturer, Specs)	Condition (Repair Notes)
1. 89 - STP	AMERICAN CONTAINMENT	
2. 91 - STP	AMERICAN CONTAINMENT	

Test Time (HH:MM) Start / Finish	Test Results Pass / Fail	Test Notes
1. 3:51 - 4:03PM	PASS	**Start Level: 11.01675**
		End Level: 11.01660
2. 3:51 - 4:03PM	PASS	**Start Level: 11.62754**
		End Level: 11.62762

Tank (Grade)	Description (Manufacturer, Specs)	Condition (Repair Notes)
1. DSL - STP	AMERICAN CONTAINMENT	

Test Time (HH:MM) Start / Finish	Test Results Pass / Fail	Test Notes
1. 4:12 - 4:24PM	PASS	**Start Level: 4.86511**
		End Level: 4.86526

Shell Oil Products U.S.

Site Test Log Form

Testing Contractor: Able Maintenance
UST Service Technician I.C.C.#: 5254517-UT

Fill / Vapor Buckets

Site #: Shell #121190 (6mo. Follow up)
Address: 9069 Grapevine Rd.
City: Lebec, CA 93243
Technician: James Moore
Date: 10/11/05

Tank (Grade)	Description (Manufacturer, Specs)	Condition (Repair Notes)
87#1	CNI 5GAL	

Test Time (HH:MM) Start / Finish	Test Results Pass / Fail	Test Notes
12:14 - 12:26PM	PASS	**Start Level Fill: 14.97162**
		End Level Fill: 14.97332
12:14 - 12:26PM	PASS	**Start Level Vapor: 11.97086**
		End Level Vapor: 11.97101

Tank (Grade)	Description (Manufacturer, Specs)	Condition (Repair Notes)
87#2	CNI 5GAL	

Test Time (HH:MM) Start / Finish	Test Results Pass / Fail	Test Notes
1:30 - 1:42PM	PASS	**Start Level Fill: 11.46667**
		End Level Fill: 11.46692
1:54 - 2:03PM	PASS	**Start Level Vapor: 10.78683**
		End Level Vapor: 10.78571

Fill / Vapor Buckets Technician: James Moore Date: 10/11/05

Tank (Grade)	Description (Manufacturer, Specs)	Condition (Repair Notes)
89	CNI 5GAL	

Test Time (HH:MM) Start / Finish	Test Results Pass / Fail	Test Notes
1:06 - 1:18PM	PASS	**Start Level Fill: 11.38580**
		End Level Fill: 11.38624
1:25 - 1:37PM	PASS	**Start Level Vapor: 9.59345**
		End Level Vapor: 9.59355

Tank (Grade)	Description (Manufacturer, Specs)	Condition (Repair Notes)
91	CNI 5GAL	

Test Time (HH:MM) Start / Finish	Test Results Pass / Fail	Test Notes
12:14 - 12:26PM	PASS	**Start Level Fill: 9.65762**
		End Level Fill: 9.65877
12:16 - 12:28PM	PASS	**Start Level Vapor: 9.78974**
		End Level Vapor: 9.78997

Tank (Grade)	Description (Manufacturer, Specs)	Condition (Repair Notes)
DSL	CNI 5GAL	

Fill / Vapor Buckets

Technician: James Moore Date: 10/11/05

DSL	CNI 5 Gal	

Test Time (HH:MM) Start / Finish	Test Results Pass / Fail	Test Notes
1:06 - 1:18PM	PASS	**Start Level Fill: 8.91919**
		End Level Fill: 8.92012

Tank (Grade)	Description (Manufacturer, Specs)	Condition (Repair Notes)
WASTE OIL	CNI 5GAL	

Test Time (HH:MM) Start / Finish	Test Results Pass / Fail	Test Notes
2:32 - 2:44PM	PASS	**Start Level Fill: 5.82849**
		End Level Fill: 5.82849

Shell Oil Products U.S.

Site Test Log Form

Site #: Shell #121190 (6mo. Follow up)

Address: 9069 Grapevine Rd.

City: Lebec, CA 93243

Testing Contractor: Able Maintenance
UST Service Technician I.C.C.#: 5254517-UT

Technician: James Moore Date: 10/11/05

Tanks (Annular Testing)

Tank Type (Grade)	Description (Manufacturer, Specs)	Condition (Repair Notes)
1. 87#1 2. 87#2 3. 89 4. 91	OWENS CORNING	

H-Test Time (HH:MM) Start / Finish	H-Test hydrostatic (in/wcl) Start / Finish	H-Test Pass / Fail	V-Test Time (HH:MM) Start / Finish	V-Test Vac (In-H2O) Start / Finish	V-Test Pass / Fail
			1. 10:30 - 11:30AM	6.5"hg / 6.5"hg	PASS
			2. 10:30 - 11:30AM	6.5"hg / 6.5"hg	PASS
			3. 12:00 - 1:00PM	6.5"hg / 6.5"hg	PASS
			4. 12:00 - 1:00PM	6.5"hg / 6.5"hg	PASS

Tank Type (Grade)	Description (Manufacturer, Specs)	Condition (Repair Notes)
DSL	OWENS CORNING	

H-Test Time (HH:MM) Start / Finish	H-Test hydrostatic (in/wcl) Start / Finish	H-Test Pass / Fail	V-Test Time (HH:MM) Start / Finish	V-Test Vac (In-H2O) Start / Finish	V-Test Pass / Fail
			1:25 - 2:25PM	6.5"hg / 6.5"hg	PASS

Shell Oil Products U.S.

Site Test Log Form

Testing Contractor: Able Maintenance
UST Service Technician I.C.C.#: 5254517-UT

Site #: Shell #121190 (6mo. Follow up)
Address: 9069 Grapevine Rd.
City: Lebec, CA 93243

Product Line Secondary Containment Testing

Technician: James Moore Date: 10/11/05

Line Type (Grade)	Description (Manufacturer, Specs)	Condition (Repair Notes)
1. 87#1	SMITH PIPE	
2. 87#2		
3. 89		
4. 91		

P-Test Time (HH:MM) Start / Finish	P-Test Pressure (PSI) Start / Finish	P-Test Pass / Fail
1. 9:15 - 10:15AM	5 PSI / 5 PSI	PASS
2. 9:15 - 10:15AM	5 PSI / 5 PSI	PASS
3. 9:15 - 10:15AM	5 PSI / 5 PSI	PASS
4. 9:15 - 10:15AM	5 PSI / 5 PSI	PASS

Line Type (Grade)	Description (Manufacturer, Specs)	Condition (Repair Notes)
DSL	SMITH PIPE	

P-Test Time (HH:MM) Start / Finish	P-Test Pressure (PSI) Start / Finish	P-Test Pass / Fail
10:30 - 11:30AM	5 PSI / 5 PSI	PASS

Shell Oil Products U.S.

Site Test Log Form

Testing Contractor: Able Maintenance
UST Service Technician I.C.C.#: 5254517-UT

Under Dispenser Containment

Site #: Shell #121190 (6mo. Follow up)

Address: 9069 Grapevine Rd.

City: Lebec, CA 93243

Technician: James Moore Date: 10/11/05

Under Dispenser (#)	Description (Manufacturer, Specs)	Condition (Repair Notes)
1. 1 & 2	WESTERN FIBERGLASS	
2. 3 & 4	WESTERN FIBERGLASS	

Test Time (HH:MM) Start / Finish	Test Results Pass / Fail	Test Notes
1. 6:39 - 6:51PM	PASS	**Start Level: 10.78387**
		End Level: 10.78355
2. 6:39 - 6:51PM	PASS	**Start Level: 9.42896**
		End Level: 9.42908

Under Dispenser (#)	Description (Manufacturer, Specs)	Condition (Repair Notes)
1. 5 & 6	WESTERN FIBERGLASS	
2. 7 & 8	WESTERN FIBERGLASS	

Test Time (HH:MM) Start / Finish	Test Results Pass / Fail	Test Notes
1. 5:22 - 5:34PM	PASS	**Start Level: 11.45730**
		End Level: 11.45680
2. 5:05 - 5:17PM	PASS	**Start Level: 10.91187**
		End Level: 10.91219

Under Dispenser (#)	Description (Manufacturer, Specs)	Condition (Repair Notes)
1. 9 & 10	WESTERN FIBERGLASS	
2. 11 & 12	WESTERN FIBERGLASS	

Test Time (HH:MM) Start / Finish	Test Results Pass / Fail	Test Notes
1. 5:05 - 5:17PM	PASS	**Start Level: 12.45887**
		End Level: 12.45887
2. 5:06 - 5:18PM	PASS	**Start Level: 11.87809**
		End Level: 11.87809

Service Station Systems, Inc.

Compliance Dept
680 Quinn Ave
San Jose, CA 95112
408-971-2445 - Office
408-938-8888 - Fax

330035

FAX TRANSMITTAL

August 30, 2005

TO: UST Inspectors (Laurel)

COMPANY: Kern Co Env.

FAX: 661-862-8701

NUMBER OF PAGES INCLUDING COVER SHEET: 8

MESSAGE:

As discussed previously, following is a copy of the corrected version of the Monitor certification, along with the Spill bucket test for the location at:

Grapevine Shell – 9069 Grapevine, Lebec
* Please disregard if this is a duplicate submittal

Please contact me at 408-938-7113 with any questions you may have and please let me know immediately if there are any discrepancies.

Thank you,
Debbie Watts

Monitoring System Equipment Certification

For Use By All Jurisdictions Within The State of California

Authority Cited: Chapter 6.7, Health and Safety Code; Chapter 16, Division 3, Title 23, California Code of Regulations

This form must be used to document testing and servicing of monitoring equipment. A separate certification or report must be prepared for each monitoring system control panel by the technician who performs the work. A copy of this form must be provided to the tank system owner/operator. The owner/operator must submit a copy of this form to the local agency regulating UST system within 30 days of test date.

A. General Information

Facility Name: **Grapevine Shell** Bldg. No.:

Site Address: **9069 Grapevine Rd. @ I-5** City: **Lebec, CA** Zip: **93243**

Facility Contact Person: Marsha Contact Phone No.: **(661) 322-4774**

Make/Model of Monitoring System: **V/R TLS-350** Date of Testing/Servicing: **5/3/05**

B. Inventory of Equipment Tested/Certified

Check the appropriate boxes to indicate specific equipment inspected/serviced:

Tank ID: Prem

- ☐ In-Tank Gauging Probe. Model: VR 847390-107
- ☑ Annular Space or Vault Sensor. Model: VR 794390-409
- ☑ Piping Sump \ Trench Sensor (s). Model: VR 794380-352
- ☑ Fill Sump Sensor (s). Model: VR 794380-208
- ☐ Mechanical Line Leak Detector. Model: None
- ☑ Electronic Line Leak Detector. Model: VR Series 8484
- ☐ Tank Overfill \ High-Level Sensor. Model: None
- ☐ Other (specify equipment type and model in Section E on Page 2).

Tank ID: Regu

- ☐ In-Tank Gauging Probe. Model: VR 847390-107
- ☑ Annular Space or Vault Sensor. Model: VR 794390-409
- ☑ Piping Sump \ Trench Sensor (s). Model: VR 794380-352
- ☑ Fill Sump Sensor (s). Model: VR 794380-208
- ☐ Mechanical Line Leak Detector. Model: None
- ☑ Electronic Line Leak Detector. Model: VR Series 8484
- ☐ Tank Overfill \ High-Level Sensor. Model: None
- ☐ Other (specify equipment type and model in Section E on Page 2).

Tank ID: Regu

- ☐ In-Tank Gauging Probe. Model: VR 847390-107
- ☑ Annular Space or Vault Sensor. Model: VR 794390-409
- ☑ Piping Sump \ Trench Sensor (s). Model: VR 794380-352
- ☑ Fill Sump Sensor (s). Model: VR 794380-208
- ☐ Mechanical Line Leak Detector. Model: None
- ☑ Electronic Line Leak Detector. Model: VR Series 8484
- ☐ Tank Overfill \ High-Level Sensor. Model: None
- ☐ Other (specify equipment type and model in Section E on Page 2).

Tank ID: Plus

- ☐ In-Tank Gauging Probe. Model: VR 847390-107
- ☑ Annular Space or Vault Sensor. Model: VR 794390-409
- ☑ Piping Sump \ Trench Sensor (s). Model: VR 794380-352
- ☑ Fill Sump Sensor (s). Model: VR 794380-208
- ☐ Mechanical Line Leak Detector. Model: None
- ☑ Electronic Line Leak Detector. Model: VR Series 8484
- ☐ Tank Overfill \ High-Level Sensor. Model: None
- ☐ Other (specify equipment type and model in Section E on Page 2).

Dispenser ID: 01-02

- ☑ Dispenser Containment Sensor (s). Model: Beaudreu 510
- ☑ Shear Valve (s).
- ☐ Dispenser Containment Float (s) and Chain (s).

Dispenser ID: 03-04

- ☑ Dispenser Containment Sensor (s). Model: Beaudreu 510
- ☑ Shear Valve (s).
- ☐ Dispenser Containment Float (s) and Chain (s).

Dispenser ID: 05-06

- ☑ Dispenser Containment Sensor (s). Model: Beaudreu 510
- ☑ Shear Valve (s).
- ☐ Dispenser Containment Float (s) and Chain (s).

Dispenser ID: 07-08

- ☑ Dispenser Containment Sensor (s). Model: Beaudreu 510
- ☑ Shear Valve (s).
- ☐ Dispenser Containment Float (s) and Chain (s).

Dispenser ID: 09-10

- ☑ Dispenser Containment Sensor (s). Model: Beaudreu 510
- ☑ Shear Valve (s).
- ☐ Dispenser Containment Float (s) and Chain (s).

Dispenser ID: 11-12

- ☑ Dispenser Containment Sensor (s). Model: Beaudreu 510
- ☑ Shear Valve (s).
- ☐ Dispenser Containment Float (s) and Chain (s).

*If the facility contains more tanks or dispensers, copy this form. Include information for every tank and dispenser at the facility

C. Certification

I certify that the equipment identified in this document was inspected/serviced in accordance with the manufacturer's guidelines. Attached to this Certification is information (e.g. manufactures' checklists) necessary to verify that this information is correct and a Plot Plan showing the layout of monitoring equipment. For any equipment capable of generating such reports, I have also attached a copy of the; *(check all that apply):* ☑ System set-up ☑ Alarm history report

Technician Name (print): **SSS-RandyW** Signature:

Certification No.: **006-05-1618** License No.: **485184**

Testing Company Name: **Ser. Sta. Sys.** Phone No.: **(408) 971-2445**

Site Address: **9069 Grapevine Rd. @ I-5** Date of Testing/Servicing: **5/3/05**

Monitoring System Equipment Certification

For Use By All Jurisdictions Within The State of California

Authority Cited: Chapter 6.7, Health and Safety Code; Chapter 16, Division 3, Title 23, California Code of Regulations

This form must be used to document testing and servicing of monitoring equipment. A separate certification or report must be prepared for each monitoring system control panel by the technician who performs the work. A copy of this form must be provided to the tank system owner/operator. The owner/operator must submit a copy of this form to the local agency regulating UST system within 30 days of test date.

A. General Information

Facility Name: **Grapevine Shell** Bldg. No.:

Site Address: **9069 Grapevine Rd. @ I-5** City: **Lebec, CA** Zip: **93243**

Facility Contact Person: Contact Phone No.: **(661) 322-4774**

Make/Model of Monitoring System: **V/R TLS-350** Date of Testing/Servicing: **5/3/05**

B. Inventory of Equipment Tested/Certified

Check the appropriate boxes to indicate specific equipment inspected/serviced:

Tank ID: Waste Oil
- ☐ In - Tank Gauging Probe. Model: None
- ☑ Annular Space or Vault Sensor. Model: VR 794380-420
- ☑ Piping Sump \ Trench Sensor (s). Model: VR 794380-208
- ☐ Fill Sump Sensor (s). Model: None
- ☐ Mechanical Line Leak Detector. Model: None
- ☐ Electronic Line Leak Detector. Model: None
- ☐ Tank Overfill \ High-Level Sensor. Model: None
- ☐ Other (specify equipment type and model in Section E on Page 2).

Tank ID: Diesel
- ☐ In - Tank Gauging Probe. Model: 794390-107
- ☑ Annular Space or Vault Sensor. Model: 794390-409
- ☑ Piping Sump \ Trench Sensor (s). Model: 794380-308
- ☑ Fill Sump Sensor (s). Model: 794380-208
- ☐ Mechanical Line Leak Detector. Model: None
- ☑ Electronic Line Leak Detector. Model: Series 858
- ☐ Tank Overfill \ High-Level Sensor. Model: None
- ☐ Other (specify equipment type and model in Section E on Page 2).

Tank ID:
- ☐ In - Tank Gauging Probe. Model: ?
- ☐ Annular Space or Vault Sensor. Model: ?
- ☐ Piping Sump \ Trench Sensor (s). Model: ?
- ☐ Fill Sump Sensor (s). Model: ?
- ☐ Mechanical Line Leak Detector. Model: ?
- ☐ Electronic Line Leak Detector. Model: ?
- ☐ Tank Overfill \ High-Level Sensor. Model: ?
- ☐ Other (specify equipment type and model in Section E on Page 2).

Tank ID:
- ☐ In - Tank Gauging Probe. Model: ?
- ☐ Annular Space or Vault Sensor. Model: ?
- ☐ Piping Sump \ Trench Sensor (s). Model: ?
- ☐ Fill Sump Sensor (s). Model: ?
- ☐ Mechanical Line Leak Detector. Model: ?
- ☐ Electronic Line Leak Detector. Model: ?
- ☐ Tank Overfill \ High-Level Sensor. Model: ?
- ☐ Other (specify equipment type and model in Section E on Page 2).

Dispenser ID:
- ☐ Dispenser Containment Sensor (s). Model: ?
- ☐ Shear Valve (s).
- ☐ Dispenser Containment Float (s) and Chain (s).

Dispenser ID:
- ☐ Dispenser Containment Sensor (s). Model: ?
- ☐ Shear Valve (s).
- ☐ Dispenser Containment Float (s) and Chain (s).

Dispenser ID:
- ☐ Dispenser Containment Sensor (s). Model: ?
- ☐ Shear Valve (s).
- ☐ Dispenser Containment Float (s) and Chain (s).

Dispenser ID:
- ☐ Dispenser Containment Sensor (s). Model: ?
- ☐ Shear Valve (s).
- ☐ Dispenser Containment Float (s) and Chain (s).

Dispenser ID:
- ☐ Dispenser Containment Sensor (s). Model: ?
- ☐ Shear Valve (s).
- ☐ Dispenser Containment Float (s) and Chain (s).

Dispenser ID:
- ☐ Dispenser Containment Sensor (s). Model: ?
- ☐ Shear Valve (s).
- ☐ Dispenser Containment Float (s) and Chain (s).

*If the facility contains more tanks or dispensers, copy this form. Include information for every tank and dispenser at the facility

C. Certification

I certify that the equipment identified in this document was inspected/serviced in accordance with the manufacturer's guidelines. Attached to this Certification is information (e.g. manufactures' checklists) necessary to verify that this information is correct and a Plot Plan showing the layout of monitoring equipment. For any equipment capable of generating such reports, I have also attached a copy of the; ***(check all that apply):*** ☑ System set-up ☐ Alarm history report

Technician Name (print): **SSS-RandyW** Signature:

Certification No.: **006-05-1618** License. No.: **485184**

Testing Company Name: **Ser. Sta. Sys.** Phone No.: **(408) 971-2445**

Site Address: **9069 Grapevine Rd. @ I-5** Date of Testing/Servicing: **5/3/05**

Monitoring System Certification - Page 2 of 3

Site Address: **9069 Grapevine Rd. @ I-5** Date of Testing/Servicing: **5/3/05**

D. Results of Testing / Servicing

Software Version Installed: **121.00**

Complete the following checklist:

☒ Yes	☐ No*	Is the audible alarm operational?
☒ Yes	☐ No*	Is the visual alarm operational?
☒ Yes	☐ No*	Were all sensors visually inspected, functionally tested, and confirmed operational?
☒ Yes	☐ No*	Were all sensors installed at lowest point of secondary containment and positioned so that other equipment will not interfere with their proper operation?
☒ Yes	☐ No* ☐ N/A	If alarms are relayed to a remote monitoring station, is all communications equipment (e.g. modem) operational?
☒ Yes	☐ No* ☐ N/A	For pressurized piping systems, does the turbine automatically shut down if the piping secondary containment monitoring system detects a leak, fails to operate, or is electrically disconnected? If yes: which sensors initiate positive shut-down? *(Check all that apply)* ☒ Sump/Trench Sensors; ☐ Dispenser Containment Sensors. Did you confirm positive shut-down due to leaks and sensor failure/disconnection? ☒ Yes ☐ No
☐ Yes	☐ No* ☒ N/A	For tank systems that utilize the monitoring system as the primary tank overfill warning device (i.e. no mechanical overfill prevention valve is installed), is the overfill warning alarm visible and audible at the tank fill point(s) and operating properly? If so, at what percent of tank capacity does the alarm trigger? _____ %
☐ Yes*	☒ No	Was any monitoring equipment replaced? If yes, identify specific sensors, probes, or other equipment replaced and list the manufacturer name and model for all replacement parts in Section E, below.
☐ Yes*	☒ No	Was liquid found inside any secondary containment systems designed as dry systems? *(Check all that apply)* ☐ Product; ☐ Water. If yes, describe causes in Section E, below.
☒ Yes	☐ No*	Was monitoring system set-up reviewed to ensure proper settings? *(Attach set-up reports, if applicable.)*
☐ Yes	☒ No*	Is all monitoring equipment operational per manufacturer's specifications?

*** In Section E below, describe how and when these deficiencies were or will be corrected.**

E. Comments: BOTH 87 Fill sensors and 87/91 Fill sensors need to be Replaced they have been splices together.

MANAGER TO HAVE KC MAINTENANCE TO MAKE Repairs at facilities.

WASTE OIL TANK NOT IN USE

Monitoring System Certification - Page 3 of 3

Site Address: **9069 Grapevine Rd. @ I-5** Date of Testing/Servicing: **5/3/05**

F. In - Tank Gauging / SIR Equipment:

☑ Check this box if tank gauging is used only for inventory control.
☐ Check this box if no tank gauging or SIR equipment is installed.

This section must be completed if in-tank gauging equipment is used to perform leak detection monitoring.

Complete the following checklist:

☑ Yes	☐ No*	Has all input wiring been inspected for proper entry and termination, including testing for ground faults?
☑ Yes	☐ No*	Were all tank gauging probes visually inspected for damage and residue buildup?
☑ Yes	☐ No*	Was accuracy of system product level readings tested?
☑ Yes	☐ No*	Was accuracy of system water level readings tested?
☑ Yes	☐ No*	Were all probes reinstalled properly?
☑ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

*** In Section H below, describe how and when these deficiencies were or will be corrected.**

G. Line Leak Detectors (LLD):

☐ Check this box if LLD's are not installed.

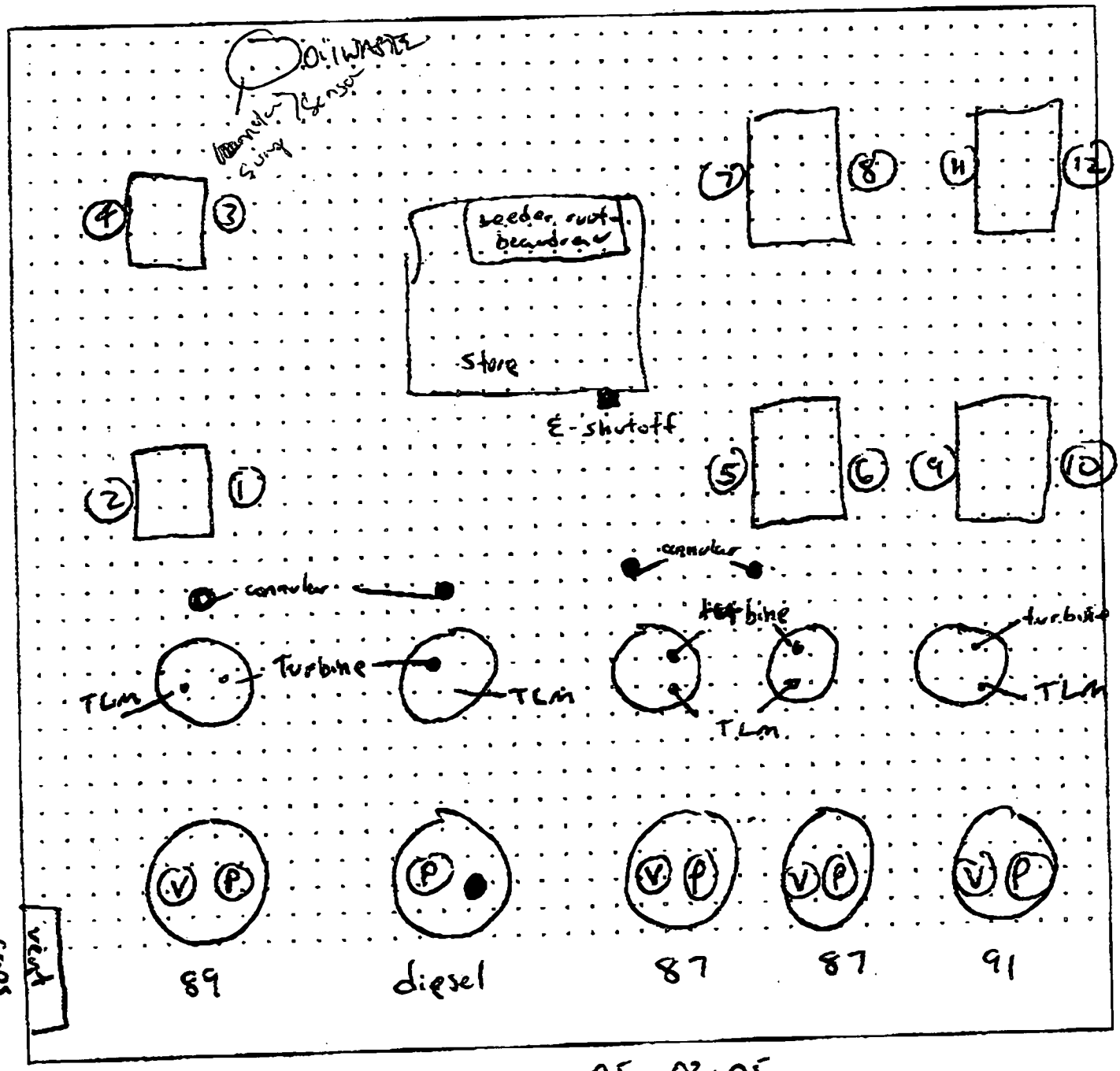
Complete the following checklist:

☑ Yes	☐ No* ☐ N/A	For equipment start-up or annual equipment certification was a leak simulated to verify LLD performance? *(Check all that apply)* Simulated leak reate: ☑ 3 g.p.h. (1.); ☐ 0.1 g.p.h. (2.); ☐ 0.2 g.p.h. (2.). Notes: 1. Required for equipment start-up certification and annual certification. 2. Unless mandated by local agency, certification required only for electronic LLD start-up.
☑ Yes	☐ No*	Were all LLD's confirmed operational and accurate within regulatory requirements?
☑ Yes	☐ No*	Was the testing apparatus properly calibrated?
☐ Yes	☐ No* ☑ N/A	For mechanical LLD's, does the LLD restrict product flow if it detects a leak?
☑ Yes	☐ No* ☐ N/A	For electronic LLD's, does the turbine automatically shut off if the LLD detects a leak?
☑ Yes	☐ No* ☐ N/A	For electronic LLD's, does the turbine automatically shut off if any portion of the monitoring system is disabled or disconnected?
☑ Yes	☐ No* ☐ N/A	For electronic LLD's, does the turbine automatically shut off if any portion of the monitoring system malfunctions or fails a test?
☑ Yes	☐ No* ☐ N/A	For electronic LLD's, have all accessible wiring connections been visually inspected?
☑ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

*** In Section H below, describe how and when these deficiencies were or will be corrected.**

H. Comments:

Monitoring System Certification
UST Monitoring Site Plan
9069 Grapevine Rd. @ I-5 in Lebec
4/28/05



Date map was drawn: 05/03/05

Instructions

On your site plan, show the general layout of tanks and piping. Clearly identify locations of the following equipment, if installed: monitoring system control panels; sensors monitoring tank annular spaces, sumps, dispenser pans, spill containers, or other secondary containment areas; mechanical or electronic line leak detedtors; and in-tank liquid level probes (if used for leak detection). In the space provided, note the date this Site Plan was prepared.

ANNUAL TEST RESULTS FOR THE PRODUCT AND VAPOR OVERFILL CONTAINMENT

Grapevine Shell – 9069 Grapevine, Lebec **Date: 6/22/05**

Test Method Developed By: ☐ Spill Bucket Manufacturer ☒ Industry Standard ☐ Professional Engineer ☐ Other *(Specify)*

Test Method Used: ☒ Hydrostatic ☐ Other *(Specify)*

Test Equipment Used: Measuring tape — Equipment Resolution: Example - 1/8 " increments

	Spill Box # 91		Spill Box # 87		Spill Box # 87		Spill Box # Dsl
Bucket Capacity in gallons:	5	5	5	5	5	5	5
Bucket Depth:	17"	16"	13 ½"	14"	16"	15 ½"	17
Wait time between filling with water and starting test:	10 min	10 min	10 min	10 min	10 min	10 min	10 min
Test Start Time:	10:30AM	10:30AM	10:30AM	10:30AM	10:30AM	10:30AM	10:30AM
Initial Reading (R_I):	9"	9 ¾"	5 3/8"	6 ¾"	7 5/8"	6 7/8"	9 ¼"
Test End Time:	11:30AM	11:30AM	11:30AM	11:30AM	11:30AM	11:30AM	11:30AM
Final Reading (R_F):	9"	9 ¾"	5 3/8"	6 ¾"	7 5/8"	6 7/8"	9 ¼"
Test Duration:	1 hr	1 hr	1 hr	1 hr	1 hr	1 hr	1 hr
Change in Reading (R_F-R_I):	0	0	0	0	0	0	0
Pass/Fail Threshold or Criteria:	ZERO LOSS		ZERO LOSS		ZERO LOSS		ZERO LOSS
Test Result:	☐ Fail ☒ Pass		☐ Fail ☒ Pass		☐ Fail ☒ Pass		☐ Fail ☒ Pass

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

Tested By: Service Station Systems, Inc.
Contractor License: 485184

Technician: Mike Dolido

ANNUAL TEST RESULTS FOR THE PRODUCT AND VAPOR OVERFILL CONTAINMENT

Grapevine Shell – 9069 Grapevine, Lebec **Date: 6/22/05**

Test Method Developed By: ☐ Spill Bucket Manufacturer ☒ Industry Standard ☐ Professional Engineer ☐ Other *(Specify)*

Test Method Used: ☒ Hydrostatic ☐ Other *(Specify)*

Test Equipment Used: Measuring tape — Equipment Resolution: Example - 1/8 " increments

	Spill Box # 89		Spill Box #		Spill Box #		Spill Box #
Bucket Capacity in gallons:	5	5					
Bucket Depth:	14 ¼"	15 ¾"					
Wait time between filling with water and starting test:	10 min	10 min					
Test Start Time:	10:30AM	10:30AM					
Initial Reading (R_I):	5"	6 1/2"					
Test End Time:	11:30AM	11:30AM					
Final Reading (R_F):	5"	6 1/2"					
Test Duration:	1 hr	1 hr					
Change in Reading (R_F-R_I):	0	0					
Pass/Fail Threshold or Criteria:	ZERO LOSS		ZERO LOSS		ZERO LOSS		ZERO LOSS
Test Result:	☐ Fail ☒ Pass		☐ Fail Pass		☐ Fail Pass		☐ Fail Pass

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

Waste Oil Tank is not in use.

Tested By: Service Station Systems, Inc.
Contractor License: 485184

Technician: Mike Pulido

MONITORING SYSTEM CERTIFICATION

330035

For Use By All Jurisdictions Within the State of California

Authority Cited: Chapter 6.7, Health and Safety Code; Chapter 16, Division 3, Title 23, California Code of Regulations

This form must be used to document testing and servicing of monitoring equipment. A separate certification or report must be prepared for each monitoring system control panel by the technician who performs the work. A copy of this form must be provided to the tank system owner/operator. The owner/operator must submit a copy of this form to the local agency regulating UST systems within 30 days of test d

Shell
9069 Grapevine Rd. West
Lebec, CA 93243
N02583 - ST-30, ST-27 A/L

SHIPPED JUN 1 8 2003

A. Genera

Facility Name _____ Bldg. No.: _____

Site Address: _____ City: _____ Zip: _____

Facility Conta _____ Contact Phone No.: (____) _____

Make/Model of Monitoring System: UR350 Date of Testing/Servicing: 6/13/03

B. Inventory of Equipment Tested/Certified

Check the appropriate boxes to indicate specific equipment inspected/serviced:

Tank ID: Reg (II) Tanks	**Tank ID:** Pream
☑ In-Tank Gauging Probe. Model: NR 8473 91-107	☑ In-Tank Gauging Probe. Model: 107
☑ Annular Space or Vault Sensor. Model:	☑ Annular Space or Vault Sensor. Model:
☑ Piping Sump / Trench Sensor(s). Model: 8437 ~~8407~~	☑ Piping Sump / Trench Sensor(s). Model:
☐ Fill Sump Sensor(s). Model: Dana/3000/L 107	☑ Fill Sump Sensor(s). Model: Dana/3000/L
☑ Mechanical Line Leak Detector. Model: ~~8484~~	☐ Mechanical Line Leak Detector. Model:
☑ Electronic Line Leak Detector. Model: 8484	☑ Electronic Line Leak Detector. Model: 8484
☐ Tank Overfill / High-Level Sensor. Model:	☐ Tank Overfill / High-Level Sensor. Model:
☐ Other (specify equipment type and model in Section E on Page 2).	☐ Other (specify equipment type and model in Section E on Page 2).
Tank ID: Plus	**Tank ID:** Diesel
☑ In-Tank Gauging Probe. Model: 107	☑ In-Tank Gauging Probe. Model: 107
☑ Annular Space or Vault Sensor. Model:	☐ Annular Space or Vault Sensor. Model:
☑ Piping Sump / Trench Sensor(s). Model: 8437	☑ Piping Sump / Trench Sensor(s). Model:
☑ Fill Sump Sensor(s). Model:	☑ Fill Sump Sensor(s). Model: Dana/3000/L
☐ Mechanical Line Leak Detector. Model:	☐ Mechanical Line Leak Detector. Model:
☑ Electronic Line Leak Detector. Model:	☑ Electronic Line Leak Detector. Model: 8484
☐ Tank Overfill / High-Level Sensor. Model:	☐ Tank Overfill / High-Level Sensor. Model:
☐ Other (specify equipment type and model in Section E on Page 2).	☐ Other (specify equipment type and model in Section E on Page 2).
Dispenser ID: 1/2	**Dispenser ID:** 7/8
☑ Dispenser Containment Sensor(s). Model: 510/516	☑ Dispenser Containment Sensor(s). Model: 510 & 516 Bs
☑ Shear Valve(s).	☑ Shear Valve(s).
☐ Dispenser Containment Float(s) and Chain(s).	☐ Dispenser Containment Float(s) and Chain(s).
Dispenser ID: 3/4	**Dispenser ID:** 9/10
☑ Dispenser Containment Sensor(s). Model: 510 & 516	☑ Dispenser Containment Sensor(s). Model: 510 & 516 Bs
☑ Shear Valve(s).	☑ Shear Valve(s).
☐ Dispenser Containment Float(s) and Chain(s).	☐ Dispenser Containment Float(s) and Chain(s).
Dispenser ID: 5/6	**Dispenser ID:** 11/12
☑ Dispenser Containment Sensor(s). Model: 510/516	☑ Dispenser Containment Sensor(s). Model: 510 & 516 Bs
☑ Shear Valve(s).	☑ Shear Valve(s).
☐ Dispenser Containment Float(s) and Chain(s).	☐ Dispenser Containment Float(s) and Chain(s).

*If the facility contains more tanks or dispensers, copy this form. Include information for every tank and dispenser at the facility.

C. Certification - I certify that the equipment identified in this document was inspected/serviced in accordance with the manufacturers' guidelines. Attached to this Certification is information (e.g. manufacturers' checklists) necessary to verify that this information is correct and a Plot Plan showing the layout of monitoring equipment. For any equipment capable of generating such reports, I have also attached a copy of the report; *(check all that apply)*: ☐ System set-up ☐ Alarm history report

Technician Name (print): Don Hicks Signature: _____

Certification No.: _____ License. No.: _____

Testing Company Name: Wayne Perry Phone No.: (____) _____

Site Address: _____ Date of Testing/Servicing: 6/13/03

JUN 2 3 2003

MONITORING SYSTEM CERTIFICATION

For Use By All Jurisdictions Within the State of California

Authority Cited: Chapter 6.7, Health and Safety Code; Chapter 16, Division 3, Title 23, California Code of Regulations

This form must be used to document testing and servicing of monitoring equipment. A separate certification or report must be prepared for each monitoring system control panel by the technician who performs the work. A copy of this form must be provided to the tank system owner/operator. The owner/operator must submit a copy of this form to the local agency regulating UST systems within 30 days of test date.

A. General Information

Facility Name: Shell Bldg. No.:

Site Address: 9069 Grapevine City: Lebec Zip: 93243

Facility Contact Person: Contact Phone No.: (916) 646-9680

Make/Model of Monitoring System: TLS 350R Date of Testing/Servicing: 6/13/03

B. Inventory of Equipment Tested/Certified

Check the appropriate boxes to indicate specific equipment inspected/serviced:

Tank ID: Waste Oil ☑ In-Tank Gauging Probe. Model: ☑ Annular Space or Vault Sensor. Model: Dry Annular ☐ Piping Sump / Trench Sensor(s). Model: ☑ Fill Sump Sensor(s). Model: 208 - 8487 ☐ Mechanical Line Leak Detector. Model: ☐ Electronic Line Leak Detector. Model: ☐ Tank Overfill / High-Level Sensor. Model: ☐ Other (specify equipment type and model in Section E on Page 2).	**Tank ID:** ☐ In-Tank Gauging Probe. Model: ☐ Annular Space or Vault Sensor. Model: ☐ Piping Sump / Trench Sensor(s). Model: ☐ Fill Sump Sensor(s). Model: ☐ Mechanical Line Leak Detector. Model: ☐ Electronic Line Leak Detector. Model: ☐ Tank Overfill / High-Level Sensor. Model: ☐ Other (specify equipment type and model in Section E on Page 2).
Tank ID: ☐ In-Tank Gauging Probe. Model: ☐ Annular Space or Vault Sensor. Model: ☐ Piping Sump / Trench Sensor(s). Model: ☐ Fill Sump Sensor(s). Model: ☐ Mechanical Line Leak Detector. Model: ☐ Electronic Line Leak Detector. Model: ☐ Tank Overfill / High-Level Sensor. Model: ☐ Other (specify equipment type and model in Section E on Page 2).	**Tank ID:** ☐ In-Tank Gauging Probe. Model: ☐ Annular Space or Vault Sensor. Model: ☐ Piping Sump / Trench Sensor(s). Model: ☐ Fill Sump Sensor(s). Model: ☐ Mechanical Line Leak Detector. Model: ☐ Electronic Line Leak Detector. Model: ☐ Tank Overfill / High-Level Sensor. Model: ☐ Other (specify equipment type and model in Section E on Page 2).
Dispenser ID: ☐ Dispenser Containment Sensor(s). Model: ☐ Shear Valve(s). ☐ Dispenser Containment Float(s) and Chain(s).	**Dispenser ID:** ☐ Dispenser Containment Sensor(s). Model: ☐ Shear Valve(s). ☐ Dispenser Containment Float(s) and Chain(s).
Dispenser ID: ☐ Dispenser Containment Sensor(s). Model: ☐ Shear Valve(s). ☐ Dispenser Containment Float(s) and Chain(s).	**Dispenser ID:** ☐ Dispenser Containment Sensor(s). Model: ☐ Shear Valve(s). ☐ Dispenser Containment Float(s) and Chain(s).
Dispenser ID: ☐ Dispenser Containment Sensor(s). Model: ☐ Shear Valve(s). ☐ Dispenser Containment Float(s) and Chain(s).	**Dispenser ID:** ☐ Dispenser Containment Sensor(s). Model: ☐ Shear Valve(s). ☐ Dispenser Containment Float(s) and Chain(s).

*If the facility contains more tanks or dispensers, copy this form. Include information for every tank and dispenser at the facility.

C. Certification

- I certify that the equipment identified in this document was inspected/serviced in accordance with the manufacturers' guidelines. Attached to this Certification is information (e.g. manufacturers' checklists) necessary to verify that this information is correct and a Plot Plan showing the layout of monitoring equipment. For any equipment capable of generating such reports, I have also attached a copy of the report; *(check all that apply)*: ☐ System set-up ☐ Alarm history report

Technician Name (print): Don Hicks Signature:

Certification No.: License. No.: 300345

Testing Company Name: Wayne Perry Phone No.: (916) 646-9680

Site Address: 9069 Grapevine, Lebec - CA Date of Testing/Servicing: 6/13/03

D. Results of Testing/Servicing

Software Version Installed: _____

Complete the following checklist:

☒ Yes	☐ No*	Is the audible alarm operational?
☒ Yes	☐ No*	Is the visual alarm operational?
☒ Yes	☐ No*	Were all sensors visually inspected, functionally tested, and confirmed operational?
☒ Yes	☐ No*	Were all sensors installed at lowest point of secondary containment and positioned so that other equipment will not interfere with their proper operation?
☒ Yes	☐ No* ☐ N/A	If alarms are relayed to a remote monitoring station, is all communications equipment (e.g. modem) operational?
☒ Yes	☐ No* ☐ N/A	For pressurized piping systems, does the turbine automatically shut down if the piping secondary containment monitoring system detects a leak, fails to operate, or is electrically disconnected? If yes: which sensors initiate positive shut-down? *(Check all that apply)* ☒ Sump/Trench Sensors; ☒ Dispenser Containment Sensors. Did you confirm positive shut-down due to leaks and sensor failure/disconnection? ☒ Yes; ☐ No.
☐ Yes	☐ No* ☒ N/A	For tank systems that utilize the monitoring system as the primary tank overfill warning device (i.e. no mechanical overfill prevention valve is installed), is the overfill warning alarm visible and audible at the tank fill point(s) and operating properly? If so, at what percent of tank capacity does the alarm trigger? _____%
☐ Yes*	☒ No	Was any monitoring equipment replaced? If yes, identify specific sensors, probes, or other equipment replaced and list the manufacturer name and model for all replacement parts in Section E, below.
☐ Yes*	☒ No	Was liquid found inside any secondary containment systems designed as dry systems? *(Check all that apply)* ☐ Product; ☐ Water. If yes, describe causes in Section E, below.
☐ Yes	☒ No*	Was monitoring system set-up reviewed to ensure proper settings? Attach set up reports, if applicable
☒ Yes	☐ No*	Is all monitoring equipment operational per manufacturer's specifications?

*** In Section E below, describe how and when these deficiencies were or will be corrected.**

E. Comments: _____

F. In-Tank Gauging / SIR Equipment:

☒ Check this box if tank gauging is used only for inventory control.
☐ Check this box if no tank gauging or SIR equipment is installed.

This section must be completed if in-tank gauging equipment is used to perform leak detection monitoring.

Complete the following checklist:

☒ Yes	☐ No*	Has all input wiring been inspected for proper entry and termination, including testing for ground faults?
☒ Yes	☐ No*	Were all tank gauging probes visually inspected for damage and residue buildup?
☒ Yes	☐ No*	Was accuracy of system product level readings tested?
☒ Yes	☐ No*	Was accuracy of system water level readings tested?
☒ Yes	☐ No*	Were all probes reinstalled properly?
☒ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

*** In the Section H, below, describe how and when these deficiencies were or will be corrected.**

G. Line Leak Detectors (LLD):

☐ Check this box if LLDs are not installed.

Complete the following checklist:

☒ Yes	☐ No* ☐ N/A	For equipment start-up or annual equipment certification, was a leak simulated to verify LLD performance? *(Check all that apply)* Simulated leak rate: ☒ 3 g.p.h.; ☐ 0.1 g.p.h ; ☐ 0.2 g.p.h.
☒ Yes	☐ No*	Were all LLDs confirmed operational and accurate within regulatory requirements?
☒ Yes	☐ No*	Was the testing apparatus properly calibrated?
☐ Yes	☐ No* ☒ N/A	For mechanical LLDs, does the LLD restrict product flow if it detects a leak?
☒ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if the LLD detects a leak?
☒ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system is disabled or disconnected?
☒ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system malfunctions or fails a test?
☒ Yes	☐ No* ☐ N/A	For electronic LLDs, have all accessible wiring connections been visually inspected?
☒ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

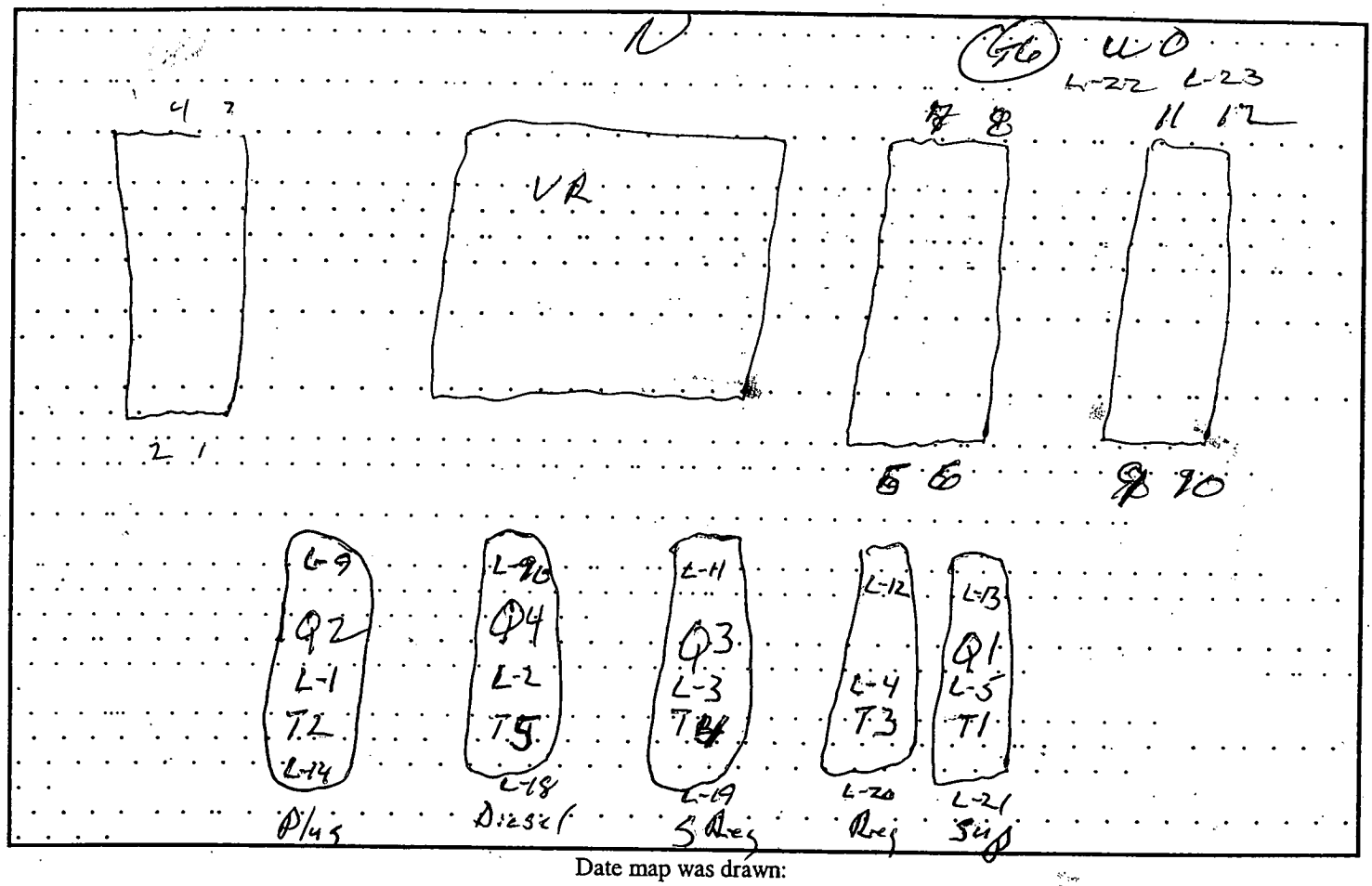
*** In the Section H, below, describe how and when these deficiencies were or will be corrected.**

H. Comments: _____

Monitoring System Certification

UST Monitoring Site Plan

Site Address: _____



Date map was drawn:

Instructions

If you already have a diagram that shows all required information, you may include it, rather than this page, with your Monitoring System Certification. On your site plan, show the general layout of tanks and piping. Clearly identify locations of the following equipment, if installed: monitoring system control panels; sensors monitoring tank annular spaces, sumps, dispenser pans, spill containers, or other secondary containment areas; mechanical or electronic line leak detectors; and in-tank liquid level probes (if used for leak detection). In the space provided, note the date this Site Plan was prepared.

330035

WAYNE PERRY, INC.
Environmental Remediation, Construction and Consulting

May 30, 2003

Certified Unified Program Agency
Ms. Laurel Funk
2700 M Street, Suite 300
Bakersfield, CA 93301

SUBJECT: SB 989 COMPLIANCE TESTING AT Shell, 9069 Grapevine Road West, Lebec, CA 93243

Dear Laurel:

Below please find the secondary containment testing results for the above-referenced site. These results are being sent to you per the requirement of SB 989.

If any of the secondary containment components failed or were not tested at this facility, repairs will be made within 30 to 120 days. If, for some reason, the repairs will take more than 120 days, your Agency will be immediately notified.

CONTRACTOR: Wayne Perry, Inc.; **License No:** 300345
TECHNICIAN: Jeff Funk

Components Tested	Component Manufacturer	Date Tested	Type of Test Performed	Pass / Fail
WO Tank Annular Testing	Xerxes	5/21/03	Vacuum	Pass

If you have any questions regarding this submittal, please contact me at (916) 646-9680.

Sincerely,
Wayne Perry, Inc.

Brandon Smith
Project Manager

Attachments SB 989 Testing Results & Procedures

Cc: Tim Woodson – Shell Oil Products US

SB 989 Test Log

Testing Contractor:

Shell
9069 Grapevine Rd. West
Lebec, CA 93243
N021237- SB989 Testing

Tank (Annular Testing)

Test Date: 5-21-03

Tank Information:

Fuel Grade: 87 / 87 Slave / 89 / 91 / D / M85 / (WO)

Type: Single Wall / (Double Wall)

Annular Monitoring Method: Wet (No Testing Necessary) / (Dry) (See Testing Notes Below)

Modern Welding (Red, Smooth Walls): ☐

Owens Corning (Beige, Smooth Walls): ☐

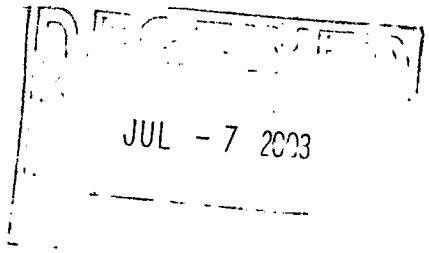
Owens Corning (Beige, Ribbed Walls): ☐

Xerxes (Red, Ribbed Walls): ☒

Joor (Blue, Smooth Walls): ☐

Other _____: ☐

Test Start HH:MM / Vacuum	Test Finish HH:MM / Vacuum	V-Test Pass / Fail	Condition (Repair Notes)
10:43 / -10	11:43 / -10	(Pass) / Fail	
/	/	Pass / Fail	
/	/	Pass / Fail	
/	/	Pass / Fail	
/	/	Pass / Fail	


JUL - 7 2003

330035

WAYNE PERRY, INC.
Environmental Remediation, Construction and Consulting

December 31, 2002

Certified Unified Program Agency
Ms. Laurel Funk
2700 M Street, Suite 300
Bakersfield, CA 93301

SUBJECT: SB 989 COMPLIANCE TESTING AT Shell, 9069 Grapevine Road West, Lebec, CA 93243

Dear Laurel:

Below please find the secondary containment testing results for the above-referenced site. These results are being sent to you per the requirement of SB 989.

If any of the secondary containment components failed or were not tested at this facility, repairs will be made within 30 to 120 days. If, for some reason, the repairs will take more than 120 days, your Agency will be immediately notified.

CONTRACTOR: Wayne Perry, Inc.; **License No:** 300345
TECHNICIAN: Scott Happ

Components Tested	Component Manufacturer	Date Tested	Type of Test Performed	Pass / Fail
Tank Sump Turbine – Diesel	Western Fiberglass	12/30/02	Hydrostatic	Pass
Tank Sump Turbine – 87 west	Western Fiberglass	12/30/02	Hydrostatic	Pass
Tank Sump Turbine – 87 east	Western Fiberglass	12/30/02	Hydrostatic	Pass
Tank Sump Turbine – 89	Western Fiberglass	12/30/02	Hydrostatic	Pass
Tank Sump Turbine – 91	Western Fiberglass	12/30/02	Hydrostatic	Pass
Dispenser 1 & 2 UDC	TCI	12/30/02	Hydrostatic	Pass
Dispenser 3 & 4 UDC	TCI	12/30/02	Hydrostatic	Pass
Dispenser 5 & 6 UDC	TCI	12/30/02	Hydrostatic	Pass
Dispenser 7 & 8 UDC	TCI	12/30/02	Hydrostatic	Pass
Dispenser 9 & 10 UDC	TCI	12/30/02	Hydrostatic	Pass
Dispenser 11 & 12 UDC	TCI	12/30/02	Hydrostatic	Pass
Diesel – Secondary Product Containment	LCX	12/30/02	Pressure	Pass

30 Main Ave. Suite 5 Sacramento, California 95838 Phone (916) 646-9680 Fax (916) 646-9683

Components Tested	Component Manufacturer	Date Tested	Type of Test Performed	Pass / Fail
87 - Secondary Product Containment west	LCX	12/30/02	Pressure	Pass
87 - Secondary Product Containment east	LCX	12/30/02	Pressure	Pass
89 – Secondary Product Containment	LCX	12/30/02	Pressure	Pass
91 – Secondary Product Containment	LCX	12/30/02	Pressure	Pass
Tank Annular Testing	Owens Corning	12/30/02	Vacuum	Pass

If you have any questions regarding this submittal, please contact me at (916) 646-9680.

Sincerely,
Wayne Perry, Inc.

Brandon Smith
Project Manager

Attachments SB 989 Testing Results & Procedures

Cc: Perry Pineda – Shell Oil Products US

Secondary Containment Testing Report Form – FINAL DRAFT

This form is intended for use by contractors performing periodic testing of UST secondary containment systems. Use the appropriate pages of this form to report results for all components tested. The completed form, written test procedures, and printouts from tests (if applicable), should be provided to the facility owner/operator for submittal to the local regulatory agency.

1. FACILITY INFORMATION

Facility Name: TEXACO	Date of Testing: 12-30-02
Facility Address: 9069 Grapevine Rd	
Facility Contact: Guy Colonel	Phone: (661) 322 4774
Date Local Agency Was Notified of Testing :	
Name of Local Agency Inspector *(if present during testing)*: NONE	

2. TESTING CONTRACTOR INFORMATION

Company Name: WAYNE PERRY INC.	
Technician Conducting Test: Scott Hoff	
Credentials: ☒ CSLB Licensed Contractor	☐ SWRCB Licensed Tank Tester
License Type: A, B, C61 D40 HAZ	License Number: CA 300345

Manufacturer Training

Manufacturer	Component(s)	Date Training Expires
Furnished on request		

3. SUMMARY OF TEST RESULTS

Component	Pass	Fail	Not Tested	Repairs Made	Component	Pass	Fail	Not Tested	Repairs Made
87 WEST Annular	☒	☐	☐	☐	89 Turbine Sump	☒	☐	☐	☐
89 "	☒	☐	☐	☐	91 " "	☒	☐	☐	☐
91 "	☒	☐	☐	☐	Diesel " "	☒	☐	☐	☐
87 EAST "	☒	☐	☐	☐	87 WEST Fill Sump	☒	☐	☐	☐
Diesel "	☒	☐	☐	☐	87 EAST " "	☒	☐	☐	☐
87 WEST Secondary	☒	☐	☐	☐	89 " "	☒	☐	☐	☐
87 EAST "	☒	☐	☐	☐	91 " "	☒	☐	☐	☐
89 "	☒	☐	☐	☐	Diesel " "	☒	☐	☐	☐
91 "	☒	☐	☐	☐	@ Dispenser 1-2	☒	☐	☐	☐
Diesel "	☒	☐	☐	☐	" 3-4	☒	☐	☐	☐
87 WEST Turbine Sump	☒	☐	☐	☐	" 5-6	☒	☐	☐	☐
87 EAST " "	☒	☐	☐	☐	" 7-8	☒	☐	☐	☐

If hydrostatic testing was performed, describe what was done with the water after completion of tests:

SEE ATTACHED PROCEDURES

CERTIFICATION OF TECHNICIAN RESPONSIBLE FOR CONDUCTING THIS TESTING

To the best of my knowledge, the facts stated in this document are accurate and in full compliance with legal requirements

Technician's Signature: Scott Hoff Date: 12-30-02

Secondary Containment Testing Report Form – FINAL DRAFT

This form is intended for use by contractors performing periodic testing of UST secondary containment systems. Use the appropriate pages of this form to report results for all components tested. The completed form, written test procedures, and printouts from tests (if applicable), should be provided to the facility owner/operator for submittal to the local regulatory agency.

1. FACILITY INFORMATION

Facility Name: TEXACO	Date of Testing: 12-30-02
Facility Address: 9069 GRAPEVINE Rd	
Facility Contact: GUY	Phone: (661) 322 4774
Date Local Agency Was Notified of Testing :	
Name of Local Agency Inspector *(if present during testing)*: NONE	

2. TESTING CONTRACTOR INFORMATION

Company Name: WAYNE PERRY INC.	
Technician Conducting Test: Scott Happ	
Credentials: X CSLB Licensed Contractor	SWRCB Licensed Tank Tester
License Type: A, B, C61, D40 HAZ	License Number: BA 300345

Manufacturer Training

Manufacturer	Component(s)	Date Training Expires

3. SUMMARY OF TEST RESULTS

Component	Pass	Fail	Not Tested	Repairs Made	Component	Pass	Fail	Not Tested	Repairs Made
DISPENSER 9-10	X								
11 11-12	X								

If hydrostatic testing was performed, describe what was done with the water after completion of tests:

CERTIFICATION OF TECHNICIAN RESPONSIBLE FOR CONDUCTING THIS TESTING

To the best of my knowledge, the facts stated in this document are accurate and in full compliance with legal requirements

Technician's Signature: Scott Happ Date: 12-30-02

4. TANK ANNULAR TESTING

Test Method Developed By:	☐ Tank Manufacturer ☐ Other *(Specify)*	☒ Industry Standard	☐ Professional Engineer	
Test Method Used:	☐ Pressure ☐ Other *(Specify)*	☒ Vacuum	☐ Hydrostatic	
Test Equipment Used:	See attached testing Procedures		Equipment Resolution:	

	Tank # 1 - 87 WEST	Tank # 2 - 87 EAST	Tank # 3 - 89	Tank # 4 - 91
Is Tank Exempt From Testing?[1]	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No
Tank Capacity:	12K	10K	12K	8K
Tank Material:	DWF	DWF	DWF	DWF
Tank Manufacturer:	Owens Corning	"	"	"
Product Stored:	87	87	89	91
Wait time between applying pressure/vacuum/water and starting test:	—	—	—	—
Test Start Time:	8:30 AM	8:55 AM	9:27 AM	10:00 AM
Initial Reading (R_I):	-10 Hg	-10 Hg	-10 Hg	-10 Hg
Test End Time:	9:30 AM	9:55 AM	10:27 AM	11:00 AM
Final Reading (R_F):	-10 Hg	-10 Hg	-10 Hg	-10 Hg
Test Duration:	1 hr.	"	"	"
Change in Reading (R_F-R_I):	0	0	0	0
Pass/Fail Threshold or Criteria:	0	0	0	0
Test Result:	☒ **Pass** ☐ **Fail**	☒ **Pass** ☐ **Fail**	☒ **Pass** ☐ **Fail**	☒ **Pass** ☐ **Fail**
Was sensor removed for testing?	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA
Was sensor properly replaced and verified functional after testing?	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

[1] Secondary containment systems where the continuous monitoring automatically monitors both the primary and secondary containment, such as systems that are hydrostatically monitored or under constant vacuum, are exempt from periodic containment testing. {California Code of Regulations, Title 23, Section 2637(a)(6)}

4. TANK ANNULAR TESTING

Test Method Developed By:	☐ Tank Manufacturer ☒ Industry Standard ☐ Professional Engineer ☐ Other *(Specify)*		
Test Method Used:	☐ Pressure ☒ Vacuum ☐ Hydrostatic ☐ Other *(Specify)*		
Test Equipment Used: see attached testing results		Equipment Resolution:	

	Tank # 5 - die	Tank #	Tank #	Tank #
Is Tank Exempt From Testing?[1]	☐ Yes ☒ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
Tank Capacity:	10K			
Tank Material:	DWF			
Tank Manufacturer:	Owens Corning			
Product Stored:	Diesel			
Wait time between applying pressure/vacuum/water and starting test:	—			
Test Start Time:	10:30 AM			
Initial Reading (R_I):	-10 Hg			
Test End Time:	11:30 AM			
Final Reading (R_F):	-10 Hg			
Test Duration:	1 hr.			
Change in Reading (R_F–R_I):	0			
Pass/Fail Threshold or Criteria:	0	0	0	0
Test Result:	☒ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail
Was sensor removed for testing?	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA
Was sensor properly replaced and verified functional after testing?	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

[1] Secondary containment systems where the continuous monitoring automatically monitors both the primary and secondary containment, such as systems that are hydrostatically monitored or under constant vacuum, are exempt from periodic containment testing. {California Code of Regulations, Title 23, Section 2637(a)(6)}

5. SECONDARY PIPE TESTING

Test Method Developed By:	☐ Piping Manufacturer ☒ Industry Standard ☐ Professional Engineer ☐ Other *(Specify)*		
Test Method Used:	☒ Pressure ☐ Vacuum ☐ Hydrostatic ☐ Other *(Specify)*		
Test Equipment Used: see attached testing procedures		Equipment Resolution:	

	Piping Run # 1-87 WEST	Piping Run # 2-87 EAST	Piping Run # 3-89	Piping Run # 4-91
Piping Material:	DWF	"	"	"
Piping Manufacturer:	Ameron / Lex	"	"	"
Piping Diameter:	2"	"	"	"
Length of Piping Run:	250'	250'	250'	250'
Product Stored:	87	87	89	91
Method and location of piping-run isolation:	Turbine Sump	"	"	"
Wait time between applying pressure/vacuum/water and starting test:	10 min.	"	"	"
Test Start Time:	12:10 pm	12:15 pm	3:30 pm	2:00 pm
Initial Reading (R_I):	5 psi	5 psi	5 psi	5 psi
Test End Time:	1:10 pm	1:15 pm	4:30 pm	3:00 pm
Final Reading (R_F):	5 psi	5 psi	5 psi	5 psi
Test Duration:	1 hr	1 hr.	1 hr	1 hr
Change in Reading (R_F–R_I):	0	0	0	0
Pass/Fail Threshold or Criteria:	0	0	0	0
Test Result:	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☒ Pass ☐ Fail

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

5. SECONDARY PIPE TESTING

Test Method Developed By:	Piping Manufacturer	(Industry Standard)	Professional Engineer
	Other *(Specify)*		
Test Method Used:	(Pressure)	Vacuum	Hydrostatic
	Other *(Specify)*		
Test Equipment Used:		Equipment Resolution:	

	Piping Run #5-dis	Piping Run #	Piping Run #	Piping Run #
Piping Material:	DWF			
Piping Manufacturer:	Ameron / LCX			
Piping Diameter:	2"			
Length of Piping Run:	250			
Product Stored:	Diesel			
Method and location of piping-run isolation:	turbine Sump			
Wait time between applying pressure/vacuum/water and starting test:	10 min.			
Test Start Time:	2:13 pm			
Initial Reading (R_I):	5 psi			
Test End Time:	3:13 PM			
Final Reading (R_F):	5 psi			
Test Duration:	1 hr			
Change in Reading (R_F-R_I):	0			
Pass/Fail Threshold or Criteria:	0			
Test Result:	(Pass) Fail	Pass Fail	Pass Fail	Pass Fail

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

6. PIPING SUMP TESTING

Test Method Developed By:	☐ Sump Manufacturer ☐ Other *(Specify)*	☒ Industry Standard	☐ Professional Engineer	
Test Method Used:	☐ Pressure ☐ Other *(Specify)*	☐ Vacuum	☒ Hydrostatic	
Test Equipment Used: See attached testing procedures.			Equipment Resolution:	

	Sump # 1-87 WEST	Sump # 2-87 EAST	Sump # 3-89	Sump # 4-91
Sump Diameter:	48"	48"	48"	48"
Sump Depth:	109"	106"	103"	104"
Sump Material: ☐ manuf.	Fiberglass / TCI	"	"	"
Height from Tank Top to Top of Highest Piping Penetration:	58"	56"	12"	56"
Height from Tank Top to Lowest Electrical Penetration:	62"	58"	15"	60"
Condition of sump prior to testing:	Good	"	"	"
Portion of Sump Tested[1]	above highest penetration	"	"	"
Does turbine shut down when sump sensor detects either product or water?*	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA
Turbine shutdown response time[2]*	—	—	—	—
Is system programmed for fail-safe shutdown?*	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA
Was fail-safe verified to be operational?*	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA
Wait time between applying pressure/vacuum/water and starting test:	30 min	"	"	"
Test Start Time:	4:24:40 pm	5:10:52 pm	3:35:49 pm	5:44:28 pm
Initial Reading (R_I):	—	—	—	—
Test End Time:	4:36:40 pm	5:22:52 pm	3:47:49 pm	5:56:28 pm
Final Reading (R_F):	—	—	—	—
Test Duration:	12 min	12 min	12 min	12 min
Change in Reading (R_F-R_I):	.00062	.00000	.00010	.00000
Pass/Fail Threshold or Criteria:	0.002	0.002	0.002	0.002
Test Result:	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☒ Pass ☐ Fail
Was sensor removed for testing?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA
Was sensor properly replaced and verified functional after testing?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

[1] If the testing method does not test the entire depth of the sump, specify how much of the sump was tested. Methods not testing the entire sump should only be used if the monitoring system provides fail-safe turbine shutdown. (See SWRCB LG-160)

[2] With the submersible pump running, place the sensor in product (discriminating sensors should also be placed in water). The time between placing the sensor in product and the turbine shutting down is the response time. This should be done if the secondary containment testing method used does not test the entire volume of the sump.

* This information is not needed if the entire sump is tested.

6. PIPING SUMP TESTING

Test Method Developed By:	☐ Sump Manufacturer ☒ Industry Standard ☐ Professional Engineer ☐ Other *(Specify)*		
Test Method Used:	☐ Pressure ☐ Vacuum ☒ Hydrostatic ☐ Other *(Specify)*		
Test Equipment Used: See attached testing procedures		Equipment Resolution:	

	Sump # 5-diesel	Sump #	Sump #	Sump #
Sump Diameter:	48"			
Sump Depth:	105"			
Sump Material: ☐ manuf.	Fiberglass / TCE			
Height from Tank Top to Top of Highest Piping Penetration:	54"			
Height from Tank Top to Lowest Electrical Penetration:	57"			
Condition of sump prior to testing:	Good			
Portion of Sump Tested[1]	above highest penetration	"	"	"
Does turbine shut down when sump sensor detects either product or water?*	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA
Turbine shutdown response time[2]*	—			
Is system programmed for fail-safe shutdown?*	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA
Was fail-safe verified to be operational?*	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA
Wait time between applying pressure/vacuum/water and starting test:	30 min			
Test Start Time:	1:32:43 pm			
Initial Reading (R_I):	—			
Test End Time:	1:44:43 pm			
Final Reading (R_F):	—			
Test Duration:	12 min			
Change in Reading ($R_F - R_I$):	.00083			
Pass/Fail Threshold or Criteria:	0.002	0.002	0.002	0.002
Test Result:	☒ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**
Was sensor removed for testing?	☒ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA
Was sensor properly replaced and verified functional after testing?	☒ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA	☐ Yes ☐ No ☐ NA

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

[1] If the testing method does not test the entire depth of the sump, specify how much of the sump was tested. Methods not testing the entire sump should only be used if the monitoring system provides fail-safe turbine shutdown. (See SWRCB LG-160)

[2] With the submersible pump running, place the sensor in product (discriminating sensors should also be placed in water). The time between placing the sensor in product and the turbine shutting down is the response time. This should be done if the secondary containment testing method used does not test the entire volume of the sump.

* This information is not needed if the entire sump is tested.

7. UNDER-DISPENSER CONTAINMENT (UDC) TESTING

Test Method Developed By:	☐ UDC Manufacturer ☐ Other *(Specify)*	☒ Industry Standard	☐ Professional Engineer
Test Method Used:	☐ Pressure ☐ Other *(Specify)*	☐ Vacuum	☒ Hydrostatic
Test Equipment Used: See attached testing procedures		Equipment Resolution:	

	UDC # 1-2	UDC # 3-4	UDC # 5-6	UDC # 7-8
UDC Manufacturer:	TCI	"	"	"
UDC Material:	Fiberglass	"	"	"
UDC Depth:	36"	"	"	"
Height from UDC Bottom to Top of Highest Piping Penetration:	10"	10"	10"	10"
Height from UDC Bottom to Lowest Electrical Penetration:	7"	6"	6"	7"
Condition of UDC prior to testing:	Good	"	"	"
Portion of UDC Tested[1]	above highest pnet.	"	"	"
Does turbine shut down when UDC sensor detects either product or water?*	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA
Turbine shutdown response time[2]*	—	—	—	—
Is system programmed for fail-safe shutdown?*	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA
Was fail-safe verified to be operational?*	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA
Wait time between applying pressure/vacuum/water and starting test	30min	"	"	"
Test Start Time:	6:18:25 pm	6:18:37 pm	6:45:29 pm	6:48:14 pm
Initial Reading (R_I):	—	—	—	—
Test End Time:	6:30:25 pm	6:30:37 pm	6:57:29 pm	7:00:14 pm
Final Reading (R_F):	—	—	—	—
Test Duration:	12 min	12 min	12 min	12 min
Change in Reading (R_F-R_I):	.000000	.00016	.00000	.00007
Pass/Fail Threshold or Criteria:	0.002	0.002	0.002	0.002
Test Result:	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☐ Pass ☐ Fail	☒ Pass ☐ Fail
Was sensor removed for testing?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA
Was sensor properly replaced and verified functional after testing?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

[1] If the testing method does not test the entire depth of the UDC, specify how much of the UDC was tested. Methods not testing the entire UDC should only be used if the monitoring system provides fail-safe turbine shutdown. (See SWRCB LG-160)

[2] With the submersible pump running, place the sensor in product (discriminating sensors should also be placed in water). The time between placing the sensor in product and the turbine shutting down is the response time. This should be done if the secondary containment testing method used does not test the entire volume of the UDC

* This information is not needed if the entire UDC is tested.

7. UNDER-DISPENSER CONTAINMENT (UDC) TESTING

Test Method Developed By:	☐ UDC Manufacturer ☒ Industry Standard ☐ Professional Engineer ☐ Other *(Specify)*		
Test Method Used:	☐ Pressure ☐ Vacuum ☒ Hydrostatic ☐ Other *(Specify)*		
Test Equipment Used: see attached testing results		Equipment Resolution:	

	UDC # 9-10	UDC # 11-12	UDC #	UDC #
UDC Manufacturer:	TCI	"		
UDC Material:	Fiberglass	"		
UDC Depth:	360"	"		
Height from UDC Bottom to Top of Highest Piping Penetration:	10"	10"		
Height from UDC Bottom to Lowest Electrical Penetration:	6"	6"		
Condition of UDC prior to testing:	Good	Good		
Portion of UDC Tested[1]	above highest penetration	"	"	"
Does turbine shut down when UDC sensor detects liquid (both product and water)?*	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA
Turbine shutdown response time	—	—		
Is system programmed for fail-safe shutdown?*	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA
Was fail-safe verified to be operational?*	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA	☐ Yes ☐ No ☒ NA
Wait time between applying pressure/vacuum/water and starting test	30 min	"	"	"
Test Start Time:	7:43:22 pm	7:45:23 pm		
Initial Reading (R_I):	—	—		
Test End Time:	7:55:22 pm	7:57:23 pm		
Final Reading (R_F):	—	—		
Test Duration:	12 min	12 min		
Change in Reading (R_F-R_I):	.00000	.00000		
Pass/Fail Threshold or Criteria:	0.002	0.002	0.002	0.002
Test Result:	☒ Pass ☐ Fail	☒ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail
Was sensor removed for testing?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA
Was sensor properly replaced and verified functional after testing?	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA	☒ Yes ☐ No ☐ NA

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

[1] If the entire depth of the UDC is not tested, specify how much was tested. If the answer to any of the questions indicated with an asterisk (*) is "NO" or "NA", the entire UDC must be tested. (See SWRCB LG-160)

8. FILL RISER CONTAINMENT SUMP TESTING

Facility is Not Equipped With Fill Riser Containment Sumps			
Fill Riser Containment Sumps are Present, but were Not Tested			
Test Method Developed By:	Sump Manufacturer	Industry Standard	Professional Engineer
	Other *(Specify)*		
Test Method Used:	Pressure	Vacuum	Hydrostatic
	Other *(Specify)*		
Test Equipment Used:		Equipment Resolution:	

	Fill Sump # 1-87 WEST	Fill Sump # 2-87 EAST	Fill Sump # 3-89	Fill Sump # 4-91
Sump Diameter:	48"	"	"	"
Sump Depth:	110"	107"	~~144~~ 72"	105"
Height from Tank Top to Top of Highest Piping Penetration:	60"	63"	~~72~~ 1' 8"	71"
Height from Tank Top to Lowest Electrical Penetration:	74"	65"	~~78~~ 1' 2"	68"
Condition of sump prior to testing:	Good	"	"	"
Portion of Sump Tested	Above penetrations	"	"	"
Sump Material:	Fiberglass	"	"	"
Wait time between applying pressure/vacuum/water and starting test:	30min	"	"	"
Test Start Time:	11:51:43 AM	12:06:58 PM	12:58:36 PM	12:27:12 PM
Initial Reading (R_I):	—	—	—	—
Test End Time:	12:03:43 AM	12:18:58 PM	1:10:36 PM	12:39:12 PM
Final Reading (R_F):	—	—	—	—
Test Duration:	12min	"	"	"
Change in Reading (R_F-R_I):	.00000	.00037	.00045	.00001
Pass/Fail Threshold or Criteria:	.002	.002	.002	.002
Test Result:	(Pass) Fail	(Pass) Fail	(Pass) Fail	(Pass) Fail
Is there a sensor in the sump?	(Yes) No	(Yes) No	(Yes) No	(Yes) No
Does the sensor alarm when either product or water is detected?	Yes No (NA)	Yes No (NA)	Yes No (NA)	Yes No (NA)
Was sensor removed for testing?	(Yes) No NA	(Yes) No NA	(Yes) No NA	(Yes) No NA
Was sensor properly replaced and verified functional after testing?	(Yes) No NA	(Yes) No NA	(Yes) No NA	(Yes) No NA

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

8. FILL RISER CONTAINMENT SUMP TESTING

Facility is Not Equipped With Fill Riser Containment Sumps			
Fill Riser Containment Sumps are Present, but were Not Tested			
Test Method Developed By:	Sump Manufacturer	Industry Standard	Professional Engineer
	Other *(Specify)*		
Test Method Used:	Pressure	Vacuum	Hydrostatic
	Other *(Specify)*		
Test Equipment Used:		Equipment Resolution:	

	Fill Sump # 5-diesel	Fill Sump #	Fill Sump #	Fill Sump #
Sump Diameter:	48"			
Sump Depth:	109"			
Height from Tank Top to Top of Highest Piping Penetration:	61"			
Height from Tank Top to Lowest Electrical Penetration:	73"			
Condition of sump prior to testing:	Good			
Portion of Sump Tested	Above penetrations			
Sump Material:	Fiberglass			
Wait time between applying pressure/vacuum/water and starting test:	30min			
Test Start Time:	12:41:06pm			
Initial Reading (R_I):	—			
Test End Time:	12:53:06pm			
Final Reading (R_F):	—			
Test Duration:	12min			
Change in Reading (R_F-R_I):	.00145			
Pass/Fail Threshold or Criteria:	.002			
Test Result:	(Pass) Fail	Pass Fail	Pass Fail	Pass Fail
Is there a sensor in the sump?	(Yes) No	Yes No	Yes No	Yes No
Does the sensor alarm when either product or water is detected?	Yes No (NA)	Yes No NA	Yes No NA	Yes No NA
Was sensor removed for testing?	(Yes) No NA	Yes No NA	Yes No NA	Yes No NA
Was sensor properly replaced and verified functional after testing?	(Yes) No NA	Yes No NA	Yes No NA	Yes No NA

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

9. SPILL/OVERFILL CONTAINMENT BOXES

Facility is Not Equipped With Spill/Overfill Containment Boxes ☐				
Spill/Overfill Containment Boxes are Present, but were Not Tested ☒				
Test Method Developed By:	☐ Spill Bucket Manufacturer	☒ Industry Standard	☐ Professional Engineer	☐ Other *(Specify)*
Test Method Used:	☐ Pressure	☐ Vacuum	☒ Hydrostatic	☐ Other *(Specify)*
Test Equipment Used: See attached testing procedures		Equipment Resolution:		

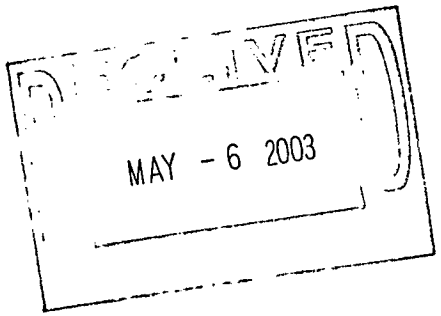
	Spill Box #	Spill Box #	Spill Box #	Spill Box #
Bucket Diameter: & type:				
Bucket Depth:				
Wait time between applying pressure/vacuum/water and starting test:				
Test Start Time:				
Initial Reading (R_I):				
Test End Time:				
Final Reading (R_F):				
Test Duration:				
Change in Reading (R_F-R_I):				
Pass/Fail Threshold or Criteria:	0.002	0.002	0.002	0.002
Test Result:	☐ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

DRAFT

Please direct any comments regarding this form to:

SWRCB UST Program, Attn: Scott Bacon
1001 "I" Street, Box 944212
Sacramento, CA 95814
Phone: (916) 341-5873, Fax: (916) 341-5808
e-mail: bacons@cwp.swrcb.ca.gov


MAY - 6 2003

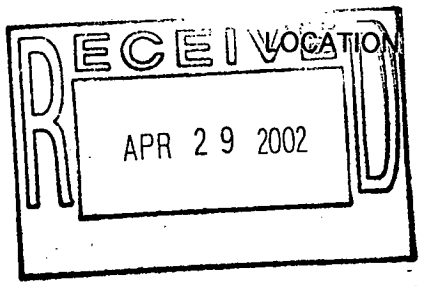
R. J. Myers & Co., Inc.
ENVIRONMENTAL COMPLIANCE CONTRACTOR
451 CONSTITUTION UNIT E
CAMARILLO, CA 93010
805-383-9244 / 805-383-9245 FAX

330035

SUBJECT: Annual Electronic Leak Monitoring System Inspection and Certification

DATE: 4/8/02
S/S #: Texaco 121190

LOCATION: 9069 Grapevine
Lebec, CA



To Whom It May Concern:

Enclosed are the reports for the annual inspection of the existing Monitoring System that was performed at the above referenced facility. The method used to test the electronic and mechanical monitoring systems is approved by and exceeds the specifications according to the manufacturer.

R. J. Myers & Co., Inc. has been contracted by Shell Oil Products US to insure that their facilities comply with all the rules and regulations that govern the operation of underground storage tanks and product lines. If you have any questions, please call.

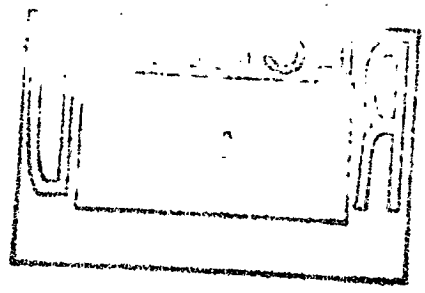
Sincerely,

R. J. MYERS & CO., INC.

Butch Karn

Butch Karn
President

RJM/rf



J. Myers & Co., Inc.
ENVIRONMENTAL COMPLIANCE CONTRACTOR
451 CONSTITUTION UNIT E
CAMARILLO, CA 93010
805-383-9244 / 805-383-9245 FAX

DATE OF SERVICE: 4/8/02 S.S. #: Texaco 121190 W.O. #:

TECHNICIAN: Jason Nonnweiler SERVICE REQUESTED BY: Tim Woodson

BILL TO:

Shell Oil Products US

TRWoodson@equiva.com

SERVICE REQUESTED:

Annual Monitor Certification and Testing

DESCRIPTION OF WORK:

Inspected and tested all leak sensors for Proper operation. Verified proper operation And calibration of all TLM probes. All systems normal.

PROBE I.D. #:

In Tank Setup

T1 Premium

T2 Plus

T3 Unleaded East

T4 Unleaded West

T5 Diesel

T6 Waste Oil

Pressure Line Leak Setup

Q1 Premium

Q2 Plus

Q3 Unleaded

Q4 Diesel

Liquid Sensor Setup

L1 Plus Annular

L2 Diesel Annular

L3 Unleaded West Annular

L4 Unleaded East Annular

L5 Premium Annular

L9 Plus STP

L10 Diesel STP

L11 Unleaded West STP

(Continued To Next Page)

MODEL #: Veeder-Root TLS-350 Simplicity

SERIAL #: 10813977805001

SYSTEM CERTIFIED:	**YES**	X	**NO**			
SYSTEM PSD:	**YES**	X	**NO**		**NA**	
SYSTEM RUNNING:	**YES**	X	**NO**			
WASTE OIL:	**YES**	X	**NO**		**NA**	
SYTEM SEALED:	**YES**	X	**NO**			

J. Myers & Co., Inc.
ENVIRONMENTAL COMPLIANCE CONTRACTOR
451 CONSTITUTION UNIT E
CAMARILLO, CA 93010
805-383-9244 / 805-383-9245 FAX

DATE OF SERVICE: 4/8/02 S.S. #: Texaco 121190 W.O. #:

TECHNICIAN: Jason Nonnweiler SERVICE REQUESTED BY: Tim Woodson

BILL TO:

Shell Oil Products US

TRWoodson@equiva.com

SERVICE REQUESTED:

Annual Monitor Certification and Testing

DESCRIPTION OF WORK:

Inspected and tested all leak sensors for
Proper operation. Verified proper operation
And calibration of all TLM probes.
All systems normal.

PROBE I.D. #:

(Continued From Page 1)

Liquid Sensor Setup

L12 Unleaded East STP

L13 Premium STP

L14 Plus Fill

L18 Diesel Fill

L19 Unleaded West Fill

L20 Unleaded East Fill

L21 Premium Fill

L22 Waste Oil Sump

L23 Waste Oil Annular

MODEL #: Veeder-Root TLS-350 Simplicity

SERIAL #: 10813977805001

SYSTEM CERTIFIED:	**YES**	X	**NO**			
SYSTEM PSD:	**YES**	X	**NO**		**NA**	
SYSTEM RUNNING:	**YES**	X	**NO**			
WASTE OIL:	**YES**	X	**NO**		**NA**	
SYTEM SEALED:	**YES**	X	**NO**			

UST EQUIPMENT INSPECTION REPORT

STATION ADDRESS: 9069 Grapevine

CITY: Lebec

STATE: California

SAP NUMBER: 121190

BRAND NAME: Texaco

TANKS AND LINES

Tank	Product (R = Regular, P = Premium, U = Used Oil, M = Mid Grade, D = Diesel, K = Kerosene)	Tank Type (DWF = Doublewall Fiberglass, SWF = Singlewall Fiberglass, SWS = Singlewall Steel, DWS = Doublewall Steel, DFS = Double Fiber Steel)	Tank Size (Nominal Gallons)	UST or AST (Circle the correct type of tank. Underground Storage or Aboveground Storage)	Tank Corrosion Type (F = Fiberglass, L = Lined, IC = Impressed Current, A = Anode)	Line Type (DWF = Doublewall Fiberglass, SWF = Singlewall Fiberglass, SWS = Singlewall Steel, FDW = Flexible Doublewall)	Line Corrosion Type (F = Fiberglass, IC = Impressed Current, A = Anode, P = Plastic Flex)
1	Regular West	DWF	12,000	UST	Fiberglass	DWF	Fiberglass
2	Regular East	DWF	12,000	UST	Fiberglass	DWF	Fiberglass
2	Mid Grade	DWF	10,000	UST	Fiberglass	DWF	Fiberglass
3	Premium	DWF	8,000	UST	Fiberglass	DWF	Fiberglass
4	Diesel	DWF	10,000	UST	Fiberglass	DWF	Fiberglass
5	Used Oil	DWF	550	UST	Fiberglass		

Comments:

PRODUCT TANK MONITORING SYSTEM

Qty	Type	Positive Shut Down	Fail Safe	Operational	Manufacturer and Model Number
5	DW Tanks With Interstitial Sensors 1-Wet and 4-Dry	Yes	Yes	Yes	Veeder-Root Simplicity (1) #302 & (4) #409
5	Automatic Tank Gauge Probes (ATG) Programmed: CSLD	Yes	Yes	Yes	Veeder-Root TLS-350 Simplicity Mag #1
	Groundwater Sensors				
	Fill/Vapor Recovery Riser				
	ETM (ATG) Sump				

Comments:

USED OIL TANK AND LINE MONITORING SYSTEM (UST Only)

Qty	Type			Operational	Manufacturer and Model Number
1	Interstitial Monitor (DW tanks) Dry			Yes	Veeder-Root TLS-350 Simplicity #407
	Electronic Line Monitor				
1	Fill Sump Monitor			Yes	Veeder-Root TLS-350 Simplicity #208
1	ETM (ATG) Probe			Yes	Veeder-Root TLS-350 Simplicity Mag #4

Comments:

PRODUCT LINE MONITORING SYSTEM

Qty	Type	Positive Shut Down	Fail Safe	Operational	Manufacturer and Model Number
	Mechanical Leak Detector				
5	Electronic Sensor in Fill Sump	Yes	Yes	Yes	Veeder-Root TLS-350 Simplicity #208
5	Electronic Line Pressure Sensors	Yes	Yes	Yes	Veeder-Root TLS-350 Simplicity PLLD
5	Electronic Sensor in Turbine Sump	Yes	Yes	Yes	Veeder-Root TLS-350 Simplicity #208
	Electronic Sensors in Contained Trench				

Comments:

Certify that the above information is accurate and the equipment is functioning according to manufacturer's specifications unless otherwise indicated.

SIGNATURE: Jason Nonnweiler

COMPANY: R. J. Myers & Co., Inc.

PRINTED NAME: Jason Nonnweiler

DATE: 4/8/02

UST EQUIPMENT INSPECTION REPORT

STATION ADDRESS: 9069 Grapevine
CITY: Lebec
STATE: California

SAP NUMBER: 121190
BRAND NAME: Texaco
DATE: 4/8/02

TURBINE AREA

Tank	Product	Permit Required Confined Space Identification Tag or Decal Present	Turbine Head Protection Type: Contained Sump, Rigid Soil Barrier, Liner, None	Is The Sump Dry	Test Boot/Drain Plug: Have test boots been backed off secondary containment piping, or drain plugs removed for proper drainage?	Flex Connector Protection: Plastic Flex, Booted, Taped, Sump, Anode, Impressed Current, Unable to Verify	Tank Manifold: Is the product manifolded between tanks?	Are there any observation wells in the tank area?	Are the products blending?	Turbine Filter?	Are there top seal or side seal adapters on the tank fill pipes?	Are there internal or external drains on the spill containment ?
1	Regular West	No	Contained Sump	Yes	Yes	Sump	Yes	No	No	No	Top Seal	Internal
2	Regular East	No	Contained Sump	Yes	Yes	Sump	Yes	No	No	No	Top Seal	Internal
3	Mid Grade	No	Contained Sump	Yes	Yes	Sump	No	No	No	No	Top Seal	Internal
4	Premium	No	Contained Sump	Yes	Yes	Sump	No	No	No	No	Top Seal	Internal
5	Diesel	No	Contained Sump	Yes	Yes	Sump	No	No	No	No	Top Seal	Internal

Comments:

TANK FILL AREA

Tank	Product	Spill Containment Size	Spill Containment Drain Operational	Remote Fill		Spill Containment on Remote Fill	Caps and Gaskets in Good Condition	Fill Lid Condition	Fill Lid Painted	Product Identification	Overfill Protection Type: Ball Float, Flapper, Both, None or Unable to Verify	Dip Stick Protection Type: Strike Plate, Basket Cage, Both or None
1	Regular West	5	Yes	No		None	Yes	Poor	N/A	Yes	Flapper	Strike Plate
2	Regular East	5	Yes	No		None	Yes	Good	Yes	Yes	Flapper	Strike Plate
3	Mid Grade	5	Yes	No		None	Yes	Good	Yes	Yes	Flapper	Strike Plate
4	Premium	5	Yes	No		None	Yes	Good	Yes	Yes	Flapper	Strike Plate
5	Diesel	5	Yes	No		None	Yes	Good	Yes	Yes	Flapper	Strike Plate

Comments: LC Services has ordered new lids for the 87 main (Lid Missing).

STAGE I VAPOR RECOVERY AREA

Tank	Product	Vent Cap Type: Pressure Cap, Rain Cap, None	Vapor Recovey Type	Remote Vapor Recovery		Dry Break In Good Operating Condition	Caps and Gaskets In Good Condition	Lid Painted	Lid Condition	Vapor Recovery Identification Tag Present	Is There A Spill Containment Box Around Each VR Point	Spill Containment Drain Operational
1	Regular West	Pressure Cap	Dual Point	No		Yes	Yes	N/A	Poor	Yes	Yes	Yes
2	Regular East	Pressure Cap	Dual Point	No		Yes	Yes	Yes	Good	Yes	Yes	Yes
3	Mid Grade	Pressure Cap	Dual Point	No		Yes	Yes	Yes	Good	Yes	Yes	Yes
4	Premium	Pressure Cap	Dual Point	No		Yes	Yes	Yes	Good	Yes	Yes	Yes
5	Diesel	Rain Cap										

Comments: LC Services has ordered new lids for the 87 Main (Lids Missing).

UST EQUIPMENT INSPECTION REPORT

STATION ADDRESS: 9069 Grapevine
CITY: Lebec
STATE: California

SAP NUMBER: 121190
BRAND NAME: Texaco
DATE: 4/8/02

DISPENSER AREA

	Dispenser			Nozzles			Impact Mechanism			Dispenser Containment			
Dispenser Numbers	Manufacturer	Securely Anchored?	Oldest Date on Dispenser Fuel Filters	Number of Nozzles	Gallons per minute being pumped by closest nozzle. Reg Mid Pre	Stage II Vapor Recovery Type: Balance, Vacuum Assist, None	Impact Type: Mechanical Valve or Motion Sensor or Both	Securely Anchored	Mechanical Valve Operational	Flex Connector Protection: Boot, Tape, Contain Sump, Anode, Impressed Current, Unable To Verify	Containment Sump Type: Deep, Shallow, None	Sump Liquid Sensor Type: Mechanical, Electronic, None	Sump Sensors Operational?
1/2	Gilbarco	Yes	Feb-02	8		Vacuum Assist	MV	Yes	Yes	Contain Sump	Deep	Electronic	Yes
3/4	Gilbarco	Yes	Feb-02	8		Vacuum Assist	MV	Yes	Yes	Contain Sump	Deep	Electronic	Yes
5/6	Gilbarco	Yes	Feb-02	8		Vacuum Assist	MV	Yes	Yes	Contain Sump	Deep	Electronic	Yes
7/8	Gilbarco	Yes	Feb-02	8		Vacuum Assist	MV	Yes	Yes	Contain Sump	Deep	Electronic	Yes
9/10	Gilbarco	Yes	Feb-02	8		Vacuum Assist	MV	Yes	Yes	Contain Sump	Deep	Electronic	Yes
11/12	Gilbarco	Yes	Feb-02	8		Vacuum Assist	MV	Yes	Yes	Contain Sump	Deep	Electronic	Yes
TOTAL # OF NOZZLES:				48									

Comments:

GENERAL INFORMATION

	Emergency Shutoff (ESO)		Car Wash		Oil - Water Separator		Automatic Tank Gauge				
	Operational	Qty	Reclaim Sump Needs to be Pumped Out?	Strip Drain Needs to be Pumped Out	B: Service Bay C: Car Wash	Needs to be Pumped Out	Attach A Printout Of The Tank Monitor Set-Up and Most Recent Test Results (SWF Tank Locations). Is a PrintOut Attached To This Form.	Does the water level shown on the ATG match what is shown on a manual stick reading?	Simplicity (S), PoleCat (P) or Neither (N) Installed on ATG.	If a remote monitor is installed, is it operating correctly?	
Exterior	Yes	1	No	No	Both	No	Yes	Yes	Simplicity	N/A	
Interior	Yes	2									

Comments:

MONITORING SYSTEM CERTIFICATION

For Use By All Jurisdictions Within the State of California
Authority Cited: Chapter 6.7, Health and Safety Code; Chapter 16, Division 3, Title 23, California Code of Regulations

This form must be used to document testing and servicing of monitoring equipment. A separate certification or report must be prepared for each monitoring system control panel by the technician who performs the work. A copy of this form must be provided to the tank system owner/operator. The owner/operator must submit a copy of this form to the local agency regulating UST systems within 30 days of test date.

A. General Information

Facility Name: Texaco 121190 Bldg. No.:

Site Address: 9069 Grapevine City: Lebec Zip: 93243

Facility Contact Person: Contact Phone No.: (661) 322-4774

Make/Model of Monitoring System: Veeder-Root TLS-350 Simplicity Date of Testing/Servicing: 04/08/02

B. Inventory of Equipment Tested/Certified

Check the appropriate boxes to indicate specific equipment inspected/serviced:

Tank ID: Unleaded East	**Tank ID:** Unleaded West
☒ In-Tank Gauging Probe. Model: Veeder-Root Mag #1	☒ In-Tank Gauging Probe. Model: Veeder-Root Mag #1
☒ Annular Space or Vault Sensor. Model: Veeder-Root #409	☒ Annular Space or Vault Sensor. Model: Veeder-Root #409
☒ Piping Sump / Trench Sensor(s). Model: Veeder-Root #208	☒ Piping Sump / Trench Sensor(s). Model: Veeder-Root #208
☒ Fill Sump Sensor(s). Model: Veeder-Root #208	☒ Fill Sump Sensor(s). Model: Veeder-Root #208
☐ Mechanical Line Leak Detector. Model:	☐ Mechanical Line Leak Detector. Model:
☒ Electronic Line Leak Detector. Model: Veeder-Root PLLD	☒ Electronic Line Leak Detector. Model: Veeder-Root PLLD
☒ Tank Overfill / High-Level Sensor. Model: OPW 61S0	☒ Tank Overfill / High-Level Sensor. Model: OPW 61S0
☐ Other (specify equipment type and model in Section E on Page 2).	☐ Other (specify equipment type and model in Section E on Page 2).
Tank ID: Plus	**Tank ID:** Premium
☒ In-Tank Gauging Probe. Model: Veeder-Root Mag #1	☒ In-Tank Gauging Probe. Model: Veeder-Root Mag #1
☒ Annular Space or Vault Sensor. Model: Veeder-Root #409	☒ Annular Space or Vault Sensor. Model: Veeder-Root #409-87/302-91
☒ Piping Sump / Trench Sensor(s). Model: Veeder-Root #208	☒ Piping Sump / Trench Sensor(s). Model: Veeder-Root #208
☒ Fill Sump Sensor(s). Model: Veeder-Root #208	☒ Fill Sump Sensor(s). Model: Veeder-Root #208
☐ Mechanical Line Leak Detector. Model:	☐ Mechanical Line Leak Detector. Model:
☒ Electronic Line Leak Detector. Model: Veeder-Root PLLD	☒ Electronic Line Leak Detector. Model: Veeder-Root PLLD
☒ Tank Overfill / High-Level Sensor. Model: OPW 61S0	☒ Tank Overfill / High-Level Sensor. Model: OPW 61S0
☐ Other (specify equipment type and model in Section E on Page 2).	☐ Other (specify equipment type and model in Section E on Page 2).
Dispenser ID: #1/2	**Dispenser ID:** #3/4
☒ Dispenser Containment Sensor(s). Model: Beaudreau #500	☒ Dispenser Containment Sensor(s). Model: Beaudreau #500
☒ Shear Valve(s).	☒ Shear Valve(s).
☐ Dispenser Containment Float(s) and Chain(s).	☐ Dispenser Containment Float(s) and Chain(s).
Dispenser ID: #5/6	**Dispenser ID:** #7/8
☒ Dispenser Containment Sensor(s). Model: Beaudreau #500	☒ Dispenser Containment Sensor(s). Model: Beaudreau #500
☒ Shear Valve(s).	☒ Shear Valve(s).
☐ Dispenser Containment Float(s) and Chain(s).	☐ Dispenser Containment Float(s) and Chain(s).
Dispenser ID: #9/10	**Dispenser ID:** #11/12
☒ Dispenser Containment Sensor(s). Model: Beaudreau #500	☒ Dispenser Containment Sensor(s). Model: Beaudreau #500
☒ Shear Valve(s).	☒ Shear Valve(s).
☐ Dispenser Containment Float(s) and Chain(s).	☐ Dispenser Containment Float(s) and Chain(s).

*If the facility contains more tanks or dispensers, copy this form. Include information for every tank and dispenser at the facility.

C. Certification

I certify that the equipment identified in this document was inspected/serviced in accordance with the manufacturers' guidelines. Attached to this Certification is information (e.g. manufacturers' checklists) necessary to verify that this information is correct and a Plot Plan showing the layout of monitoring equipment. For any equipment capable of generating such reports, I have also attached a copy of the report; *(check all that apply)*: ☒ **System set-up** ☒ **Alarm history report**

Technician Name (print): Jason Nonnweiler Signature: Jason Nonnweiler

Certification No.: 559491195 License. No.:

Testing Company Name: R. J. Myers & Co., Inc. Phone No. : (805) 383-9244

MONITORING SYSTEM CERTIFICATION

For Use By All Jurisdictions Within the State of California
Authority Cited: Chapter 6.7, Health and Safety Code; Chapter 16, Division 3, Title 23, California Code of Regulations

This form must be used to document testing and servicing of monitoring equipment. A separate certification or report must be prepared for each monitoring system control panel by the technician who performs the work. A copy of this form must be provided to the tank system owner/operator. The owner/operator must submit a copy of this form to the local agency regulating UST systems within 30 days of test date.

A. General Information

Facility Name: Texaco 121190 Bldg. No.:

Site Address: 9069 Grapevine City: Lebec Zip: 93243

Facility Contact Person: Contact Phone No.: (661) 322-4774

Make/Model of Monitoring System: Veeder-Root TLS-350 Simplicity Date of Testing/Servicing: 04/08/02

B. Inventory of Equipment Tested/Certified

Check the appropriate boxes to indicate specific equipment inspected/serviced:

Tank ID: Diesel	**Tank ID:** Waste Oil
☒ In-Tank Gauging Probe. Model: Veeder-Root Mag #1	☒ In-Tank Gauging Probe. Model: Veeder-Root Mag #4
☒ Annular Space or Vault Sensor. Model: Veeder-Root #409	☒ Annular Space or Vault Sensor. Model: Veeder-Root #407
☒ Piping Sump / Trench Sensor(s). Model: Veeder-Root #208	☐ Piping Sump / Trench Sensor(s). Model:
☒ Fill Sump Sensor(s). Model: Veeder-Root #208	☒ Fill Sump Sensor(s). Model: Veeder-Root #208
☐ Mechanical Line Leak Detector. Model:	☐ Mechanical Line Leak Detector. Model:
☒ Electronic Line Leak Detector. Model: Veeder-Root PLLD	☐ Electronic Line Leak Detector. Model:
☒ Tank Overfill / High-Level Sensor. Model: OPW 61S0	☒ Tank Overfill / High-Level Sensor. Model: Mag Probe 90%
☐ Other (specify equipment type and model in Section E on Page 2).	☐ Other (specify equipment type and model in Section E on Page 2).
Tank ID:	**Tank ID:**
☐ In-Tank Gauging Probe. Model:	☐ In-Tank Gauging Probe. Model:
☐ Annular Space or Vault Sensor. Model:	☐ Annular Space or Vault Sensor. Model:
☐ Piping Sump / Trench Sensor(s). Model:	☐ Piping Sump / Trench Sensor(s). Model:
☐ Fill Sump Sensor(s). Model:	☐ Fill Sump Sensor(s). Model:
☐ Mechanical Line Leak Detector. Model:	☐ Mechanical Line Leak Detector. Model:
☐ Electronic Line Leak Detector. Model:	☐ Electronic Line Leak Detector. Model:
☐ Tank Overfill / High-Level Sensor. Model:	☐ Tank Overfill / High-Level Sensor. Model:
☐ Other (specify equipment type and model in Section E on Page 2).	☐ Other (specify equipment type and model in Section E on Page 2).
Dispenser ID:	**Dispenser ID:**
☐ Dispenser Containment Sensor(s). Model:	☐ Dispenser Containment Sensor(s). Model:
☐ Shear Valve(s).	☐ Shear Valve(s).
☐ Dispenser Containment Float(s) and Chain(s).	☐ Dispenser Containment Float(s) and Chain(s).
Dispenser ID:	**Dispenser ID:**
☐ Dispenser Containment Sensor(s). Model:	☐ Dispenser Containment Sensor(s). Model:
☐ Shear Valve(s).	☐ Shear Valve(s).
☐ Dispenser Containment Float(s) and Chain(s).	☐ Dispenser Containment Float(s) and Chain(s).
Dispenser ID:	**Dispenser ID:**
☐ Dispenser Containment Sensor(s). Model:	☐ Dispenser Containment Sensor(s). Model:
☐ Shear Valve(s).	☐ Shear Valve(s).
☐ Dispenser Containment Float(s) and Chain(s).	☐ Dispenser Containment Float(s) and Chain(s).

*If the facility contains more tanks or dispensers, copy this form. Include information for every tank and dispenser at the facility.

C. Certification

- I certify that the equipment identified in this document was inspected/serviced in accordance with the manufacturers' guidelines. Attached to this Certification is information (e.g. manufacturers' checklists) necessary to verify that this information is correct and a Plot Plan showing the layout of monitoring equipment. For any equipment capable of generating such reports, I have also attached a copy of the report; *(check all that apply)*: ☒ **System set-up** ☒ **Alarm history report**

Technician Name (print): Jason Nonnweiler Signature: Jason Nonnweiler

Certification No.: 559491195 License. No.:

Testing Company Name: R. J. Myers & Co., Inc. Phone No. : (805) 383-9244

Monitoring System Certification

D. Results of Testing/Servicing

Software Version Installed: 122.00

Complete the following checklist:

☒ Yes	☐ No*	Is the audible alarm operational?
☒ Yes	☐ No*	Is the visual alarm operational?
☒ Yes	☐ No*	Were all sensors visually inspected, functionally tested, and confirmed operational?
☒ Yes	☐ No*	Were all sensors installed at lowest point of secondary containment and positioned so that other equipment will not interfere with their proper operation?
☒ Yes	☐ No* ☐ N/A	If alarms are relayed to a remote monitoring station, is all communications equipment (e.g. modem) operational?
☒ Yes	☐ No* ☐ N/A	For pressurized piping systems, does the turbine automatically shut down if the piping secondary containment monitoring system detects a leak, fails to operate, or is electrically disconnected? If yes: which sensors initiate positive shut-down? *(Check all that apply)* ☒ Sump/Trench Sensors; ☐ Dispenser Containment Sensors. Did you confirm positive shut-down due to leaks and sensor failure/disconnection? ☒ Yes; ☐ No.
☐ Yes	☐ No* ☒ N/A	For tank systems that utilize the monitoring system as the primary tank overfill warning device (i.e. no mechanical overfill prevention valve is installed), is the overfill warning alarm visible and audible at the tank fill point(s) and operating properly? If so, at what percent of tank capacity does the alarm trigger? ____%
☐ Yes*	☒ No	Was any monitoring equipment replaced? If yes, identify specific sensors, probes, or other equipment replaced and list the manufacturer name and model for all replacement parts in Section E, below.
☐ Yes*	☒ No	Was liquid found inside any secondary containment systems designed as dry systems? *(Check all that apply)* ☐ Product; ☐ Water. If yes, describe causes in Section E, below.
☒ Yes	☐ No*	Was monitoring system set-up reviewed to ensure proper settings? Attach set up reports, if applicable
☒ Yes	☐ No*	Is all monitoring equipment operational per manufacturer's specifications?

*** In Section E below, describe how and when these deficiencies were or will be corrected.**

E. Comments:

OPW Drop tube with flapper is the mechanical overfill protection.

Beaudreau #500 Dispenser Sensors do not shut down turbines.

F. In-Tank Gauging / SIR Equipment:

☒ Check this box if tank gauging is used only for inventory control.
☐ Check this box if no tank gauging or SIR equipment is installed.

This section must be completed if in-tank gauging equipment is used to perform leak detection monitoring.

Complete the following checklist:

☒ Yes	☐ No*	Has all input wiring been inspected for proper entry and termination, including testing for ground faults?
☒ Yes	☐ No*	Were all tank gauging probes visually inspected for damage and residue buildup?
☒ Yes	☐ No*	Was accuracy of system product level readings tested?
☒ Yes	☐ No*	Was accuracy of system water level readings tested?
☒ Yes	☐ No*	Were all probes reinstalled properly?
☒ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

*** In the Section H, below, describe how and when these deficiencies were or will be corrected.**

G. Line Leak Detectors (LLD):

☐ Check this box if LLDs are not installed.

Complete the following checklist:

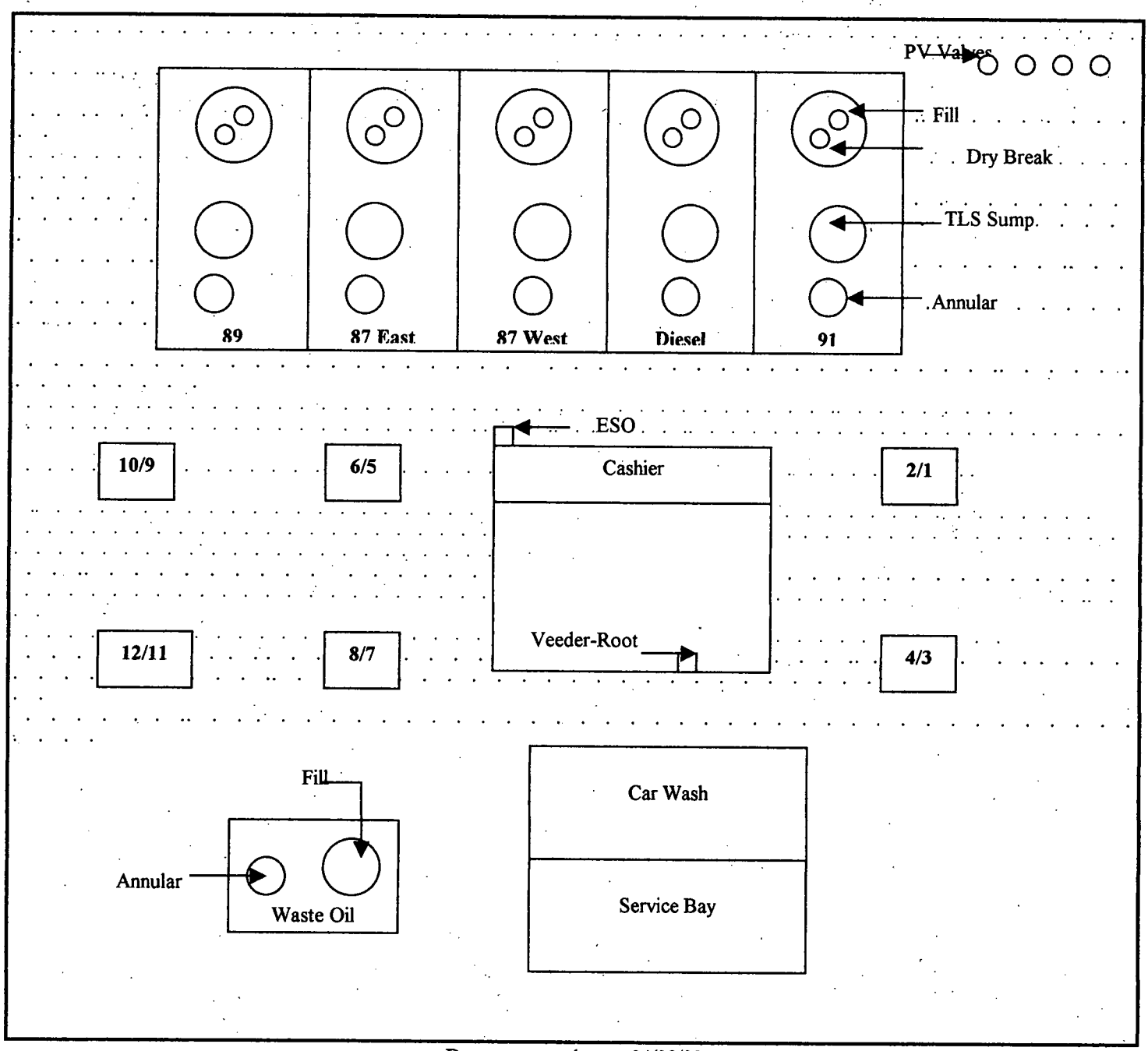
☒ Yes	☐ No* ☐ N/A	For equipment start-up or annual equipment certification, was a leak simulated to verify LLD performance? *(Check all that apply)* Simulated leak rate: ☒ 3 g.p.h.; ☐ 0.1 g.p.h ; ☐ 0.2 g.p.h.
☒ Yes	☐ No*	Were all LLDs confirmed operational and accurate within regulatory requirements?
☒ Yes	☐ No*	Was the testing apparatus properly calibrated?
☐ Yes	☐ No* ☒ N/A	For mechanical LLDs, does the LLD restrict product flow if it detects a leak?
☒ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if the LLD detects a leak?
☒ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system is disabled or disconnected?
☒ Yes	☐ No* ☐ N/A	For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system malfunctions or fails a test?
☒ Yes	☐ No* ☐ N/A	For electronic LLDs, have all accessible wiring connections been visually inspected?
☒ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

*** In the Section H, below, describe how and when these deficiencies were or will be corrected.**

H. Comments:

UST Monitoring Site Plan

Site Address: 9069 Grapevine, Lebec



Date map was drawn: 04/08/02

Instructions

If you already have a diagram that shows all required information, you may include it, rather than this page, with your Monitoring System Certification. On your site plan, show the general layout of tanks and piping. Clearly identify locations of the following equipment, if installed: monitoring system control panels; sensors monitoring tank annular spaces, sumps, dispenser pans, spill containers, or other secondary containment areas; mechanical or electronic line leak detectors; and in-tank liquid level probes (if used for leak detection). In the space provided, note the date this Site Plan was prepared.

M.J. MYERS & CO., INC.

451 CONSTITUTION AVENUE UNIT E

CAMARILLO, CA 93010

PHONE: (805) 383-9244/FAX: (805) 383-9245

LINE LEAK DETECTOR TEST

Customer: Texaco 121190 Date: 4/8/02

Location: 9069 Grapevine
Lebec, CA

Technician: Jason Nonnweiler

Tech. Cert.# 559491195

Submersible Pump Information

Manufacturer: Red Jacket

Testing Information

	1	2	3	4
Product:	91	Diesel	87	89
WPLLD/PLLD Serial #:	172359	172939	172944	172941
Operating Pump Pressure:	28	28	28	28
Gallons Per Hour Leak Rate:	3.0	3.0	3.0	3.0
Bleed Back Rate:	110	100	140	130
Pass/Fail	Pass	Pass	Pass	Pass

Note: Pass=Leak detector reads leak and shuts down turbine.
Fail=Leak detector did not read leak and turbine did not shut down.

ALARM HISTORY REPORT

---- IN-TANK ALARM -----

T 3:EAST 87

SETUP DATA WARNING
MAR 12, 2002 12:48 PM

HIGH WATER ALARM
MAR 12, 2002 12:51 PM

INVALID FUEL LEVEL
MAR 28, 2002 1:32 PM

DELIVERY NEEDED
MAR 31, 2002 2:20 PM
MAR 28, 2002 9:17 AM
MAR 26, 2002 4:58 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

---- IN-TANK ALARM -----

T 6:WASTE OIL

SETUP DATA WARNING
MAR 12, 2002 12:48 PM

HIGH WATER ALARM
MAR 12, 2002 12:51 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 3:WEST 87 ANNULAR
ANNULAR SPACE
FUEL ALARM
MAR 18, 2002 1:10 PM

SETUP DATA WARNING
MAR 12, 2002 12:09 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

---- IN-TANK ALARM -----

T 4:WEST 87

SETUP DATA WARNING
MAR 12, 2002 12:48 PM

INVALID FUEL LEVEL
APR 6, 2002 5:38 AM
APR 4, 2002 9:07 PM
APR 2, 2002 6:25 PM

DELIVERY NEEDED
APR 5, 2002 7:48 PM
APR 4, 2002 3:45 PM
APR 2, 2002 11:33 AM

ALARM HISTORY REPORT

---- IN-TANK ALARM -----

T 5:DSL

SETUP DATA WARNING
MAR 12, 2002 12:48 PM

HIGH WATER ALARM
MAR 12, 2002 12:51 PM

INVALID FUEL LEVEL
MAR 29, 2002 7:10 AM

DELIVERY NEEDED
APR 1, 2002 2:19 AM
MAR 28, 2002 3:56 AM
MAR 22, 2002 9:34 PM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 1:89 ANNULAR
ANNULAR SPACE
FUEL ALARM
MAR 18, 2002 12:59 PM

SETUP DATA WARNING
MAR 12, 2002 12:09 PM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 2:DSL ANNULAR
ANNULAR SPACE
FUEL ALARM
MAR 18, 2002 1:02 PM

FUEL ALARM
MAR 18, 2002 1:00 PM

SETUP DATA WARNING
MAR 12, 2002 12:09 PM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 4:EAST 87 ANNULAR
ANNULAR SPACE
FUEL ALARM
MAR 18, 2002 1:17 PM

SETUP DATA WARNING
MAR 12, 2002 12:09 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 5:91 ANNULAR
ANNULAR SPACE
FUEL ALARM
MAR 18, 2002 2:02 PM

SETUP DATA WARNING
MAR 12, 2002 12:09 PM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 9:89 STP
STP SUMP
FUEL ALARM
MAR 18, 2002 12:58 PM

SENSOR OUT ALARM
MAR 15, 2002 2:29 PM

SETUP DATA WARNING
MAR 12, 2002 12:09 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L12:EAST 87 STP
STP SUMP
FUEL ALARM
MAR 18, 2002 1:20 PM

SENSOR OUT ALARM
MAR 15, 2002 2:28 PM

SETUP DATA WARNING
MAR 12, 2002 12:09 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L16:DSL FILL
OTHER SENSORS
FUEL ALARM
MAR 18, 2002 1:04 PM

SETUP DATA WARNING
MAR 12, 2002 12:09 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L10:DSL STP
STP SUMP
FUEL ALARM
MAR 18, 2002 1:03 PM

SETUP DATA WARNING
MAR 12, 2002 12:09 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L13:91 STP
STP SUMP
FUEL ALARM
MAR 18, 2002 2:06 PM

FUEL ALARM
MAR 18, 2002 1:26 PM

SENSOR OUT ALARM
MAR 15, 2002 2:28 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L19:WEST 87 FILL
OTHER SENSORS
FUEL ALARM
MAR 18, 2002 1:06 PM

SETUP DATA WARNING
MAR 12, 2002 12:09 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L11:WEST 87 STP
STP SUMP
FUEL ALARM
MAR 18, 2002 1:07 PM

SENSOR OUT ALARM
MAR 15, 2002 2:29 PM

SETUP DATA WARNING
MAR 12, 2002 12:09 PM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L14:89 FILL
OTHER SENSORS
FUEL ALARM
MAR 18, 2002 12:57 PM

SENSOR OUT ALARM
MAR 15, 2002 2:28 PM

SETUP DATA WARNING
MAR 12, 2002 12:09 PM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L20:EAST 87 FILL
OTHER SENSORS
FUEL ALARM
MAR 18, 2002 1:21 PM

SETUP DATA WARNING
MAR 12, 2002 12:09 PM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L21:91 FILL
OTHER SENSORS
FUEL ALARM
MAR 18, 2002 2:04 PM

FUEL ALARM
MAR 18, 2002 1:27 PM

FUEL ALARM
MAR 18, 2002 1:23 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
Q 1:91
PLLD SHUTDOWN ALARM
MAR 18, 2002 2:06 PM

PLLD SHUTDOWN ALARM
MAR 18, 2002 2:02 PM

PLLD SHUTDOWN ALARM
MAR 18, 2002 1:26 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
Q 3:87
PLLD SHUTDOWN ALARM
MAR 18, 2002 1:10 PM

PLLD SHUTDOWN ALARM
MAR 18, 2002 1:07 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L22:WASTE OIL SUMP
OTHER SENSORS
FUEL ALARM
MAR 18, 2002 1:35 PM

SETUP DATA WARNING
MAR 12, 2002 12:09 PM

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
Q 2:89
PLLD SHUTDOWN ALARM
MAR 19, 2002 4:07 PM

GROSS LINE FAIL
MAR 19, 2002 4:07 PM

PLLD SHUTDOWN ALARM
MAR 19, 2002 7:26 AM

GROSS LINE FAIL
MAR 19, 2002 7:26 AM

PLLD SHUTDOWN ALARM
MAR 18, 2002 12:59 PM

PLLD SHUTDOWN ALARM
MAR 18, 2002 12:58 PM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
Q 4:DSL
PLLD SHUTDOWN ALARM
MAR 18, 2002 1:02 PM

PLLD SHUTDOWN ALARM
MAR 18, 2002 1:00 PM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L23:WASTE OIL ANNULAR
ANNULAR SPACE
FUEL ALARM
MAR 18, 2002 1:37 PM

SETUP DATA WARNING
MAR 12, 2002 12:09 PM

SYSTEM SETUP
- - - - - - - - - - - - - -
APR 8, 2002 3:48 PM

SYSTEM UNITS
U.S.
SYSTEM LANGUAGE
ENGLISH
SYSTEM DATE/TIME FORMAT
MON DD YYYY HH:MM:SS xM

139589 TEXACO 121190
9069 GRAPEVINE RD W
LEBEC CA 93243
10813977805001

SHIFT TIME 1 : 7:00 AM
SHIFT TIME 2 : DISABLED
SHIFT TIME 3 : DISABLED
SHIFT TIME 4 : DISABLED

SHIFT BIR PRINTOUTS
DISABLED
DAILY BIR PRINTOUTS
DISABLED
TICKETED DELIVERY
DISABLED
TANK PER TST NEEDED WRN
DISABLED
TANK ANN TST NEEDED WRN
DISABLED

LINE RE-ENABLE METHOD
PASS LINE TEST

LINE PER TST NEEDED WRN
DISABLED
LINE ANN TST NEEDED WRN
DISABLED

PRINT TC VOLUMES
DISABLED

TEMP COMPENSATION
VALUE (DEG F): 60.0
STICK HEIGHT OFFSET
DISABLED

H-PROTOCOL DATA FORMAT
HEIGHT
PRECISION TEST DURATION
HOURS: 12
0.20 GPH LINE TEST
AUTO-CONFIRM: ENABLED
0.10 GPH LINE TEST
AUTO-CONFIRM: ENABLED
DAYLIGHT SAVING TIME
ENABLED
START DATE
APR WEEK 1 SUN
START TIME
2:00 AM
END DATE
OCT WEEK 6 SUN
END TIME
2:00 AM

RE-DIRECT LOCAL PRINTOUT
DISABLED

EURO PROTOCOL PREFIX
S

SYSTEM SECURITY
CODE : 000000

COMMUNICATIONS SETUP
- - - - - - - - - - - - - -

PORT SETTINGS:

COMM BOARD : 5 (RS-485)
BAUD RATE : 9600
PARITY : ODD
STOP BIT : 1 STOP
DATA LENGTH: 7 DATA
RS-232 SECURITY
CODE : DISABLED

COMM BOARD : 6 (S-SAT)
BAUD RATE : 9600
PARITY : ODD
STOP BIT : 1 STOP
DATA LENGTH: 7 DATA
RS-232 SECURITY
CODE : DISABLED
DTR NORMAL STATE: HIGH

RECEIVER SETUP:

D 8:VEEDER ROOT (FMS)
CALL 4000010025
RCVR TYPE: COMPUTER
PORT NO: 6
RETRY NO: 5
RETRY DELAY: 5
CONFIRMATION REPORT: OFF

AUTO DIAL TIME SETUP:

D 8:VEEDER ROOT (FMS)
DIAL DAILY
DIAL TIME : DISABLED
RECEIVER REPORTS:

RS-232 END OF MESSAGE
DISABLED

AUTO DIAL ALARM SETUP
- - - - - - - - - - - - - -

D 8:VEEDER ROOT (FMS)

IN-TANK ALARMS
ALL:LEAK ALARM
ALL:HIGH WATER ALARM
ALL:OVERFILL ALARM
ALL:SUDDEN LOSS ALARM
ALL:HIGH PRODUCT ALARM
ALL:INVALID FUEL LEVEL
ALL:PROBE OUT
ALL:HIGH WATER WARNING
ALL:MAX PRODUCT ALARM
ALL:GROSS TEST FAIL
ALL:PERIODIC TEST FAIL
ALL:ANNUAL TEST FAIL
ALL:PER TST NEEDED WRN
ALL:PER TST NEEDED ALM
ALL:NO CSLD IDLE TIME
ALL:CSLD INCR RATE WARN
ALL:ACCU_CHART CAL WARN
ALL:RECON WARNING
ALL:RECON ALARM
ALL:LOW TEMP WARNING
ALL:GROSS FAIL LINE TNK

LIQUID SENSOR ALMS
ALL:FUEL ALARM
ALL:SENSOR OUT ALARM
ALL:SHORT ALARM
ALL:WATER ALARM
ALL:WATER OUT ALARM
ALL:HIGH LIQUID ALARM
ALL:LOW LIQUID ALARM
ALL:LIQUID WARNING

RECEIVER ALARMS
SERVICE REPORT WARN
ALARM CLEAR WARNING

PRESSURE LINE LEAK
ALL:GROSS LINE FAIL
ALL:ANNUAL LINE FAIL
ALL:PER TST NEEDED ALM
ALL:PLLD OPEN ALARM
ALL:UNKNOWN ALARM
ALL:UNKNOWN ALARM
ALL:UNKNOWN ALARM
ALL:PERIODIC LINE FAIL
ALL:ANN TST NEEDED ALM
ALL:LOW PRESSURE ALARM
ALL:UNKNOWN ALARM
ALL:CONT HANDLE ALM
ALL:FUEL OUT
ALL:LN EQUIP FAULT ALM

IN-TANK SETUP

T 1:91
PRODUCT CODE : 1
THERMAL COEFF :.000700
TANK DIAMETER : 90.87
TANK PROFILE : 4 PTS
FULL VOL : 7950
68.2 INCH VOL : 6480
45.4 INCH VOL : 4000
22.7 INCH VOL : 1507
METER DATA : NO

FLOAT SIZE: 4.0 IN.

WATER WARNING : 2.0
HIGH WATER LIMIT: 3.0

MAX OR LABEL VOL: 7950
OVERFILL LIMIT : 90%
: 7155
HIGH PRODUCT : 95%
: 7552
DELIVERY LIMIT : 15%
: 1192

LOW PRODUCT : 250
LEAK ALARM LIMIT: 3
SUDDEN LOSS LIMIT: 50
TANK TILT : 0.00
PROBE OFFSET : 0.00

MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 0%
: 0

LEAK MIN ANNUAL : 0%
: 0

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 3 MIN
PUMP THRESHOLD : 10.00%

T 2:89
PRODUCT CODE : 2
THERMAL COEFF :.000700
TANK DIAMETER : 90.87
TANK PROFILE : 4 PTS
FULL VOL : 11681
68.2 INCH VOL : 9480
45.4 INCH VOL : 5865
22.7 INCH VOL : 2235
METER DATA : NO

FLOAT SIZE: 4.0 IN.

WATER WARNING : 2.0
HIGH WATER LIMIT: 3.0

MAX OR LABEL VOL: 11681
OVERFILL LIMIT : 90%
: 10513
HIGH PRODUCT : 95%
: 11097
DELIVERY LIMIT : 15%
: 1752

LOW PRODUCT : 250
LEAK ALARM LIMIT: 3
SUDDEN LOSS LIMIT: 50
TANK TILT : 0.00
PROBE OFFSET : 0.00

MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 0%
: 0

LEAK MIN ANNUAL : 0%
: 0

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 3 MIN
PUMP THRESHOLD : 10.00%

T 3:EAST 87
PRODUCT CODE : 3
THERMAL COEFF :.000700
TANK DIAMETER : 90.87
TANK PROFILE : 4 PTS
FULL VOL : 9816
68.2 INCH VOL : 7966
45.4 INCH VOL : 4929
22.7 INCH VOL : 1869
METER DATA : NO

FLOAT SIZE: 4.0 IN.

WATER WARNING : 2.0
HIGH WATER LIMIT: 3.0

MAX OR LABEL VOL: 9816
OVERFILL LIMIT : 90%
: 8834
HIGH PRODUCT : 95%
: 9325
DELIVERY LIMIT : 15%
: 1472

LOW PRODUCT : 250
LEAK ALARM LIMIT: 3
SUDDEN LOSS LIMIT: 50
TANK TILT : 0.00
PROBE OFFSET : 0.00

MANIFOLDED TANKS
T#: 04

LEAK MIN PERIODIC: 0%
: 0

LEAK MIN ANNUAL : 0%
: 0

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 3 MIN
PUMP THRESHOLD : 10.00%

T 4:WEST 87
PRODUCT CODE : 4
THERMAL COEFF : .000700
TANK DIAMETER : 90.87
TANK PROFILE : 4 PTS
FULL VOL : 11681
68.2 INCH VOL : 9480
45.4 INCH VOL : 5865
22.7 INCH VOL : 2235
METER DATA : NO

FLOAT SIZE: 4.0 IN.

WATER WARNING : 2.0
HIGH WATER LIMIT: 3.0

MAX OR LABEL VOL: 11681
OVERFILL LIMIT : 90%
: 10513
HIGH PRODUCT : 95%
: 11097
DELIVERY LIMIT : 15%
: 1752

LOW PRODUCT : 250
LEAK ALARM LIMIT: 3
SUDDEN LOSS LIMIT: 50
TANK TILT : 0.00
PROBE OFFSET : 0.00

MANIFOLDED TANKS
T#: 03

LEAK MIN PERIODIC: 0%
: 0

LEAK MIN ANNUAL : 0%
: 0

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 3 MIN
PUMP THRESHOLD : 10.00%

T 5:DSL
PRODUCT CODE : 5
THERMAL COEFF : .000450
TANK DIAMETER : 90.87
TANK PROFILE : 4 PTS
FULL VOL : 9816
68.2 INCH VOL : 7966
45.4 INCH VOL : 4929
22.7 INCH VOL : 1869
METER DATA : NO

FLOAT SIZE: 4.0 IN.

WATER WARNING : 2.0
HIGH WATER LIMIT: 3.0

MAX OR LABEL VOL: 9816
OVERFILL LIMIT : 90%
: 8834
HIGH PRODUCT : 95%
: 9325
DELIVERY LIMIT : 15%
: 1472

LOW PRODUCT : 250
LEAK ALARM LIMIT: 3
SUDDEN LOSS LIMIT: 50
TANK TILT : 0.00
PROBE OFFSET : 0.00

MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 0%
: 0

LEAK MIN ANNUAL : 0%
: 0

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 3 MIN
PUMP THRESHOLD : 10.00%

T 6:WASTE OIL
PRODUCT CODE : 6
THERMAL COEFF : .000450
TANK DIAMETER : 48.00
TANK PROFILE : 1 PT
FULL VOL : 500
METER DATA : NO

FLOAT SIZE: 4.0 IN.

WATER WARNING : 2.0
HIGH WATER LIMIT: 3.0

MAX OR LABEL VOL: 500
OVERFILL LIMIT : 90%
: 450
HIGH PRODUCT : 95%
: 475
DELIVERY LIMIT : 1%
: 5

LOW PRODUCT : 1
LEAK ALARM LIMIT: 3
SUDDEN LOSS LIMIT: 50
TANK TILT : 0.00
PROBE OFFSET : 0.00

MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 0%
: 0

LEAK MIN ANNUAL : 0%
: 0

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 3 MIN
PUMP THRESHOLD : 10.00%

LEAK TEST METHOD

TEST CSLD : ALL TANK
Pd = 99%
CLIMATE FACTOR:MODERATE

REPORT ONLY:
END OF MONTH

TST EARLY STOP:DISABLED

LEAK TEST REPORT FORMAT
NORMAL

139589 TEXACO 121190
9069 GRAPEVINE RD W
LEBEC CA 93243
10813977805001

APR 8, 2002 3:48 PM

FUEL MANAGEMENT SETUP

DELIVERY WARN DAYS: 0.0
AUTO PRINT: DISABLED

T 1:91

AVG SALES-SUN:	858 GAL
AVG SALES-MON:	617 GAL
AVG SALES-TUE:	693 GAL
AVG SALES-WED:	568 GAL
AVG SALES-THR:	783 GAL
AVG SALES-FRI:	1127 GAL
AVG SALES-SAT:	970 GAL

T 2:89

AVG SALES-SUN:	1086 GAL
AVG SALES-MON:	690 GAL
AVG SALES-TUE:	632 GAL
AVG SALES-WED:	699 GAL
AVG SALES-THR:	858 GAL
AVG SALES-FRI:	1312 GAL
AVG SALES-SAT:	1081 GAL

T 3:EAST 87

AVG SALES-SUN:	836 GAL
AVG SALES-MON:	911 GAL
AVG SALES-TUE:	1285 GAL
AVG SALES-WED:	2233 GAL
AVG SALES-THR:	2321 GAL
AVG SALES-FRI:	2875 GAL
AVG SALES-SAT:	1508 GAL

T 4:WEST 87

AVG SALES-SUN:	3481 GAL
AVG SALES-MON:	1845 GAL
AVG SALES-TUE:	1823 GAL
AVG SALES-WED:	366 GAL
AVG SALES-THR:	3267 GAL
AVG SALES-FRI:	4732 GAL
AVG SALES-SAT:	2307 GAL

T 5:DSL

AVG SALES-SUN:	373 GAL
AVG SALES-MON:	353 GAL
AVG SALES-TUE:	383 GAL
AVG SALES-WED:	479 GAL
AVG SALES-THR:	676 GAL
AVG SALES-FRI:	677 GAL
AVG SALES-SAT:	469 GAL

T 6:WASTE OIL

AVG SALES-SUN:	0 GAL
AVG SALES-MON:	0 GAL
AVG SALES-TUE:	0 GAL
AVG SALES-WED:	0 GAL
AVG SALES-THR:	0 GAL
AVG SALES-FRI:	0 GAL
AVG SALES-SAT:	0 GAL

PRESSURE LINE LEAK SETUP

Q 1:91

TYP:2.0/3.0IN FIBERGLASS
2.0IN DIA LEN:312 FEET
3.0IN DIA LEN: 0 FEET
0.20 GPH TEST: REPETITIV
0.10 GPH TEST: AUTO
SHUTDOWN RATE: 3.0 GPH
LOW PRESSURE SHUTOFF:NO
LOW PRESSURE : 0 PSI

T 1:91
DISPENSE MODE:
STANDARD
SENSOR: NON-VENTED
PRESSURE OFFSET: 0.0PSI

Q 2:89

TYP:2.0/3.0IN FIBERGLASS
2.0IN DIA LEN:312 FEET
3.0IN DIA LEN: 0 FEET
0.20 GPH TEST: REPETITIV
0.10 GPH TEST: AUTO
SHUTDOWN RATE: 3.0 GPH
LOW PRESSURE SHUTOFF:NO
LOW PRESSURE : 0 PSI

T 2:89
DISPENSE MODE:
STANDARD
SENSOR: NON-VENTED
PRESSURE OFFSET: 0.0PSI

Q 3:87

TYP:2.0/3.0IN FIBERGLASS
2.0IN DIA LEN:312 FEET
3.0IN DIA LEN: 0 FEET
0.20 GPH TEST: REPETITIV
0.10 GPH TEST: AUTO
SHUTDOWN RATE: 3.0 GPH
LOW PRESSURE SHUTOFF:NO
LOW PRESSURE : 0 PSI

T 3:EAST 87
DISPENSE MODE:
STANDARD
SENSOR: NON-VENTED
PRESSURE OFFSET: 0.0PSI

Q 4:DSL

TYP:2.0/3.0IN FIBERGLASS
2.0IN DIA LEN:312 FEET
3.0IN DIA LEN: 0 FEET
0.20 GPH TEST: REPETITIV
0.10 GPH TEST: AUTO
SHUTDOWN RATE: 3.0 GPH
LOW PRESSURE SHUTOFF:NO
LOW PRESSURE : 0 PSI

T 5:DSL
DISPENSE MODE:
STANDARD
SENSOR: NON-VENTED
PRESSURE OFFSET: 0.0PSI

LINE LEAK LOCKOUT SETUP

LOCKOUT SCHEDULE
DAILY
START TIME: DISABLED
STOP TIME : DISABLED

LIQUID SENSOR SETUP

L 1:89 ANNULAR
TRI-STATE (SINGLE FLOAT)
CATEGORY : ANNULAR SPACE

L 2:DSL ANNULAR
TRI-STATE (SINGLE FLOAT)
CATEGORY : ANNULAR SPACE

L 3:WEST 87 ANNULAR
TRI-STATE (SINGLE FLOAT)
CATEGORY : ANNULAR SPACE

L 4:EAST 87 ANNULAR
TRI-STATE (SINGLE FLOAT)
CATEGORY : ANNULAR SPACE

L 5:91 ANNULAR
TRI-STATE (SINGLE FLOAT)
CATEGORY : ANNULAR SPACE

L 9:89 STP
TRI-STATE (SINGLE FLOAT)
CATEGORY : STP SUMP

L10:DSL STP
TRI-STATE (SINGLE FLOAT)
CATEGORY : STP SUMP

L11:WEST 87 STP
TRI-STATE (SINGLE FLOAT)
CATEGORY : STP SUMP

L12:EAST 87 STP
TRI-STATE (SINGLE FLOAT)
CATEGORY : STP SUMP

L13:91 STP
TRI-STATE (SINGLE FLOAT)
CATEGORY : STP SUMP

L14:89 FILL
TRI-STATE (SINGLE FLOAT)
CATEGORY : OTHER SENSORS

L18:DSL FILL
TRI-STATE (SINGLE FLOAT)
CATEGORY : OTHER SENSORS

L19:WEST 87 FILL
TRI-STATE (SINGLE FLOAT)
CATEGORY : OTHER SENSORS

L20:EAST 87 FILL
TRI-STATE (SINGLE FLOAT)
CATEGORY : OTHER SENSORS

L21:91 FILL
TRI-STATE (SINGLE FLOAT)
CATEGORY : OTHER SENSORS

L22:WASTE OIL SUMP
TRI-STATE (SINGLE FLOAT)
CATEGORY : OTHER SENSORS

L23:WASTE OIL ANNULAR
TRI-STATE (SINGLE FLOAT)
CATEGORY : ANNULAR SPACE

PLLD LINE DISABLE SETUP

Q 1:91

IN-TANK ALARMS
T 1:HIGH WATER ALARM
T 1:LOW PRODUCT ALARM

LIQUID SENSOR ALMS
L 5:FUEL ALARM
L13:FUEL ALARM

Q 2:89

IN-TANK ALARMS
T 2:HIGH WATER ALARM
T 2:LOW PRODUCT ALARM

LIQUID SENSOR ALMS
L 1:FUEL ALARM
L 9:FUEL ALARM

Q 3:87

IN-TANK ALARMS
T 3:HIGH WATER ALARM
T 4:HIGH WATER ALARM
T 3:LOW PRODUCT ALARM
T 4:LOW PRODUCT ALARM

LIQUID SENSOR ALMS
L 3:FUEL ALARM
L 4:FUEL ALARM
L11:FUEL ALARM
L12:FUEL ALARM

Q 4:DSL

IN-TANK ALARMS
T 5:HIGH WATER ALARM
T 5:LOW PRODUCT ALARM

LIQUID SENSOR ALMS
L 2:FUEL ALARM
L10:FUEL ALARM

RECONCILIATION SETUP

AUTOMATIC DAILY CLOSING
TIME: 2:00 AM

AUTO SHIFT #1 CLOSING
TIME: DISABLED

AUTO SHIFT #2 CLOSING
TIME: DISABLED

AUTO SHIFT #3 CLOSING
TIME: DISABLED

AUTO SHIFT #4 CLOSING
TIME: 7:00 AM

PERIODIC RECONCILIATION
MODE: MONTHLY
ALARM: DISABLED

TEMP COMPENSATION
STANDARD
METER CALIBRATION
OFFSET: 0.000%

BUS SLOT FUEL METER TANK

TANK MAP EMPTY

330035 500

CONFIDENCE UST SERVICES, INC.

417 Montelair Street, Bakersfield, CA 93309 800-339-9930 or 805-631-2870

RECEIVED
DEC 15 2000

:FINAL TEST RESULTS:
ALERT 1000 / ALERT ULLAGE 1050X / AES SYSTEM II / AES PLT-100R

CUSTOMER ADDRESS:
Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621

WORK ORDER: 4382

TEST DATE: 11/28/2000

SITE ADDRESS:
Texaco
9069 Grapevine Road
Lebec, CA 93243

SITE CONTACT: Reetu Kumar **PHONE NUMBER:** 714-826-0352

TECHNICIAN: Doug Young **PHONE NUMBER:** 800-339-9930 **LICENSE:** 901076

WATER IN BACKFILL: 0.00" **DATE & TIME OF LAST FUEL DELIVERY:** 12+ hours

TANK INFORMATION: (WETTED)	TANK 1	TANK 2	TANK 3	TANK 4
PRODUCT TYPE:	Regular	Regular	Plus	Premium
TOTAL GALLONS:	12000	10000	12000	8000
PRODUCT LEVEL:				
PERCENT FULL:				
TEST METHOD:				
WATER IN TANK:				
TANK MATERIAL:				
P.S.I.@ BOTTOM:				
TEST DURATION:				
FINAL LEAK RATE:				
TEST RESULT:				
TANK INFORMATION: (ULLAGE) U/F ONLY	ALERT 1050X	ALERT 1050X	ALERT 1050X	ALERT 1050X
ULLAGE GALLONS:				
START PRESSURE:				
END PRESSURE:				
TEST RESULT:				
PRODUCT LINES:	AES PLT-100R	AES PLT-100R	AES PLT-100R	AES PLT-100R
LINE TYPE:	Pressure	Pressure	Pressure	Pressure
START TIME:	09:40a	09:55a	10:05a	10:15a
END TIME:	10:10a	10:25a	10:35a	10:45a
TEST PRESSURE:	50 psi	50 psi	50 psi	50 psi
FINAL LEAK RATE:	-0.001 gph	-0.001 gph	-0.003 gph	-0.002 gph
TEST RESULT:	PASS	PASS	PASS	PASS
MECHANICAL LEAK DETECTORS:	Red Jacket FTA	Red Jacket FTA	Red Jacket FTA	Red Jacket FTA
MODEL:	Positive	Positive	Positive	Positive
SERIAL NUMBER:	Shut Down	Shut Down	Shut Down	Shut Down
CHECK VALVE PSI:				
BLEED OFF ml:				
LEAK RATE TESTED:				
TEST RESULT:				

A) These systems and methods meet or exceed the criteria in USEPA 40CFR parts 280, NFPA 329-87 and all applicable state codes.
B) Any failure listed above may require further action, check with all regulatory agencies.

applic

Technicians signature:	Date:	Manufacturer Certification No:
	11-28-2000	Alert: ALTX123 and/or AES: 86116

CONFIDENCE UST SERVICES, INC.

417 Montelair Street, Bakersfield, CA 93309 800-339-9930 or 805-631-3870

:FINAL TEST RESULTS:

ALERT 1000 / ALERT ULLAGE 1050X / AES SYSTEM II / AES PLT-100R

CUSTOMER ADDRESS:
Wayne Perry, Inc.
8281 Commonwealth Avenue
Buena Park, CA 90621

WORK ORDER: 4382

TEST DATE: 11/28/2000

SITE ADDRESS:
Texaco
9069 Grapevine Road
Lebec, CA 93243

SITE CONTACT: Reetu Kumar **PHONE NUMBER:** 714-826-0352

TECHNICIAN: Doug Young **PHONE NUMBER:** 800-339-9930 **LICENSE:** 901076

WATER IN BACKFILL: 0.00" **DATE & TIME OF LAST FUEL DELIVERY:** 12+ hours

TANK INFORMATION: (WETTED)	TANK 1	TANK 2	TANK 3	TANK 4
PRODUCT TYPE:	Diesel			
TOTAL GALLONS:				
PRODUCT LEVEL:				
PERCENT FULL:				
TEST METHOD:				
WATER IN TANK:				
TANK MATERIAL:				
P.S.I.@ BOTTOM:				
TEST DURATION:				
FINAL LEAK RATE:				
TEST RESULT:				
TANK INFORMATION: (ULLAGE) U/F ONLY	ALERT 1050X	ALERT 1050X	ALERT 1050X	ALERT 1050X
ULLAGE GALLONS:				
START PRESSURE:				
END PRESSURE:				
TEST RESULT:				
PRODUCT LINES:	AES PLT-100R	AES PLT-100R	AES PLT-100R	AES PLT-100R
LINE TYPE:	Pressure			
START TIME:	09:30a			
END TIME:	10:00a			
TEST PRESSURE:	50 psi			
FINAL LEAK RATE:	-0.002 gph			
TEST RESULT:	PASS			
MECHANICAL LEAK DETECTORS:	Red Jacket FTA	Red Jacket FTA	Red Jacket FTA	Red Jacket FTA
MODEL:	Positive	Positive	Positive	Positive
SERIAL NUMBER:	Shut Down	Shut Down	Shut Down	Shut Down
CHECK VALVE PSI:				
BLEED OFF ml:				
LEAK RATE TESTED:				
TEST RESULT:				

A) These systems and methods meet or exceed the criteria in USEPA 40CFR parts 280, NFPA 329-87 and all applicable state codes.
B) Any failure listed above may require further action, check with all regulatory agencies.

applic

Technicians signature:	Date:	Manufacturer Certification No:
	11-28-2000	Alert: ALTX123 and/or AES: 86116

R. J. Myers & Sons, Inc.
SERVICE STATION CONSTRUCTION
PETRO TITE TANK & LINE TESTING
P.O. BOX 191
CANOGA PARK, CA 91305
213-875-0830 / 818-993-9575
818-993-9577 FAX

330035

SUBJECT: Annual Electronic/Mechanical Monitoring System Inspection and Meter Calibration

DATE: 1/16/97
S/S#: 61058000050

LOCATION: 9069 Grapevine Rd.
Lebec, CA 93243

Dear Sir,

This is to certify that the annual inspection of the existing Monitoring System was performed at the above referenced facility. The method used to test the electronic and mechanical monitoring systems is approved by and exceeds the specifications according to the manufacturer.

R. J. Myers & Sons, Inc. has been contracted by TEXACO R & M to insure that their facilities comply with all the rules and regulations that govern the operation of underground storage tanks and product lines. If you have any questions, please call.

Sincerely,

R. J. MYERS & SONS, INC.

Ronald J. Myers

Ronald J. Myers, II
President

RJM/rf

Monitor Certification Inspection

This letter certifies that the monitor is in place, the probes are in the correct position and the operation of the system.

FACILITY #: 61058000050 **DATE:** 1/16/97

DEALER: Texaco

ADDRESS: 9069 Grapevine Rd.
Lebec, CA 93243

TYPE AND MODEL OF MONITOR: Veeder-Root

SYSTEM FUNCTION

TANKS	PASS	X	FAIL		N/A		
USED OIL	PASS	X	FAIL		N/A		
IN LINE	PASS		FAIL		N/A	X	
SUMPS MONITOR PRODUCT LINES	PASS	X	FAIL		N/A		
FILL SUMPS	PASS	X	FAIL		N/A		

WHEN MONITOR IS TURNED OFF OR IN ALARM DOES THE TURBINE SHUT OFF? YES X NO

IS THE CONSOLE LABELED CORRECTLY? YES X NO

COMMENTS: Reprogram in tank.

INSPECTED BY: R. J. MYERS & SONS, INC.
TECHNICIAN: Ron Norris
SIGNATURE: Ron Norris

R. J. MYERS & SONS, INC.

SERVICE STATION CONSTRUCTION
PETRO TITE TANK & LINE TESTING
P. O. BOX 191
CANOGA PARK, CALIFORNIA 91305
818-993-9575 / 818-993-9576
213-875-0830 / 818-993-9577 FAX

DATE OF SERVICE: 1/16/97 **S.S. #:** 61058000050 **W. O. #:** 1124779-000

TECHNICIAN Ron Norris **SERVICE REQUESTED BY:** Fred Long

BILL TO: Texaco R & M
1900 E. Los Angeles Ave.
Simi Valley, CA

SERVICE REQUESTED -
Annual electronic monitor
inspection and certification.

DESCRIPTION OF WORK:

Reprogram TLS-350. Test all sensors. Test for PSD on sump sensors. Certified system.

PROBE I.D. #:
T1 Premium
T2 Plus
T3 Unleaded
T4 Unleaded SP
T5 Diesel
T6 Waste Oil
L1 Unleaded Fill Sump
L2 Unleaded Sip Annular
L3 Super Fill Sump
L4 Plus Fill Sump
L5 Diesel Fill Sump
L6 Diesel STP Sump
L7 Plus STP Sump
L8 Super STP Sump
L9 Unleaded Annular
L10 Super Annular
L11 Unleaded Sip Annular
L12 Plus Annular

MODEL #: Veeder-Root TLS-350 **SERIAL #:**

SYSTEM CERTIFIED
(YES) NO

SYSTEM PSD
(YES) N/A NO

SYSTEM RUNNING
(YES) NO

WASTE OIL
(YES) N/A NO

SYSTEM SEALED
(YES) NO

R. J. MYERS & SONS, INC.

SERVICE STATION CONSTRUCTION
PETRO TITE TANK & LINE TESTING
P. O. BOX 191
CANOGA PARK, CALIFORNIA 91305
818-993-9575 / 818-993-9576
213-875-0830 / 818-993-9577 FAX

DATE OF SERVICE: 1/16/97 **S.S. #:** 61058000050 **W. O. #:** 1124779-000

TECHNICIAN Ron Norris **SERVICE REQUESTED BY:** Fred Long

BILL TO: Texaco R & M
1900 E. Los Angeles Ave.
Simi Valley, CA

SERVICE REQUESTED -
Annual electronic monitor
inspection and certification.

DESCRIPTION OF WORK:

Reprogram TLS-350. Test all sensors. Test for PSD on sump sensors. Certified system.

PROBE I.D. #:
L13 Diesel Annular
L14 Liner Sump
L15 Unleaded STP Sump
L16 Unleaded Sip STP Sump
L17 Waste Oil Sump
L18 Waste Oil Annular
R1 Unleaded Sump/Sip STP Sump
R2 Super Unleaded Sump
R3 Plus Sump
R4 Diesel Sump

MODEL #: Veeder-Root TLS-350 **SERIAL #:**

SYSTEM CERTIFIED
(YES) NO

SYSTEM PSD
(YES) N/A NO

SYSTEM RUNNING
(YES) NO

WASTE OIL
(YES) N/A NO

SYSTEM SEALED
(YES) NO

LEAK DETECTORS TEST CHART

LOCATION
Texaco R & M
S/S 61058000050
9069 Grapevine
Lebec, CA 93243

SERVICE COMPANY
R. J. MYERS & SONS, INC.
P. O. BOX 191
CANOGA PARK, CA 91305

DATE: 1/16/97

TECHNICIAN PERFORMING TEST: Ron Norris
TECH #:

TYPE OF LEAK DETECTORS TESTED (CHECK APPROPIRATE MFG [S])

RED JACKET: XL

TOKHEIM:

VAPORLESS:

FE PETRO:

OTHER: X

TEST INFORMATION

	1	2	3	4
	Fe Petro		RJ XL	RJ XL
SERIAL #	KH	N/A	5057	8811
GRADE	Unleaded Regular	Unleaded	Plus	Premium
RESILIENCY (ML)	150		730	140
OPENING TIME (SEC)	3		3	3
TEST LEAK RATE ML/MIN	250		220	240
FUNCTIONAL ELEMENT HOLDING PSI	15		12	13
METERING PSI	32		30	24
PASS OR FAIL	PASS		PASS	PASS

NOTE:

TIGHTNESS TESTING REPORTS
EVALUATION FORM

Specialist reviewing the tightness test report: Laurel Funk

Date tightness test reports were submitted: 2-23-96

Date tightness tests were completed: 2-15+96

Facility Permit Number: 330035

Number of Tanks Tested at the site: Ø (list the tanks by their tank numbers if provided) _____

Was the method a test of the entire tank system, piping alone, or just the facility tanks? (describe) _____

Annual Report also

Did the facility pass all tests: Ø Yes _____ No
(if no, provide the leak rate and a description of the tank(s) that failed the test) (failure is > 0.1 gal per hour) _____

The facility will do the following to investigate the failed test:

The test method certification that is submitted to the state specifies that each test method be completed in a certain manner. Is there anything within the results which would suggest that the tank test was improperly completed? _____ Yes X No

(describe) _____

Information has been reviewed and placed within the database: ✓ YES _____ NO

Date entered within the database: 2/26/96

HM25 Entered by (name) _____

330035

R. J. Myers & Sons, Inc.
SERVICE STATION CONSTRUCTION
PETRO TITE TANK & LINE TESTING

P.O. BOX 191
CANOGA PARK, CA 91305
213-875-0830 / 818-993-9575
818-993-9577 FAX

SUBJECT: Annual Electronic/Mechanical Monitoring System Inspection and Meter Calibration

DATE: 2-15-96
S/S #: 6105800050

LOCATION: 9069 Grapevine Rd.
Lebec, CA 93243

Dear Sir,

This is to certify that the annual inspection of the existing Monitoring System was performed at the above referenced facility. The method used to test the electronic and mechanical monitoring systems is approved by and exceeds the specifications according to the manufacturer.

R. J. Myers & Sons, Inc. has been contracted by TEXACO R & M to insure that their facilities comply with all the rules and regulations that govern the operation of underground storage tanks and product lines. If you have any questions, please call.

Sincerely,

R. J. MYERS & SONS, INC.

Ronald J. Myers

Ronald J. Myers, II
Vice President

RJM/rf

R. J. Myers & Sons, Inc.

SERVICE STATION CONSTRUCTION
PETRO TITE TANK & LINE TESTING

P. O. BOX 191
CANOGA PARK, CALIFORNIA 91305
818-993-9575 / 818-993-9575
213-875-0830 / 818-993-9577 FAX

DATE OF SERVICE: 2-15-96 **S.S. #:**61058000050 **W .O.#:**1121239-000

TECHNICIAN: Ron Norris **SERVICE REQUESTED BY:** Fred Long

BILL TO: Texaco R & M
1900 E. Los Angeles Ave, Suite 200
Simi Valley, CA 93065

SERVICE REQUESTED -Annual electronic monitor certification.

DESCRIPTION OF WORK:

Inspected and tested all sensors and in tank probes for proper operation and calibration.

PROBE ID#:

L1 Unleaded Fill
L2 Unlead Sip Fill
L3 Super Fill
L4 Plus Fill
L5 Diesel Fill
L6 Diesel Sump
L7 Unleaded Plus Sump
L8 Super Sump
L9 Unleaded Annular
L10 Super Annular
L11 Unleaded Sip Annular
L12 Unleaded Plus Annular
L13 Diesel Annular
L14 Line Sump
L15 Unleaded Sump
L16 Unleaded Sip Sump
L17 Waste Fill
L18 Waste Annular

MODEL #: Veeder-Root TLS-350 **SERIAL #:** 10012677802001

SYSTEM CERTIFIED
(YES) NO

SYSTEM PSD
(YES) N/A NO

SYSTEM RUNNING
(YES) NO

WASTE OIL
(YES) N/A NO

SYSTEM SEALED
(YES) NO

Monitor Certification
Inspection

This letter certifies that the monitor is in place, the probes are in the correct position and the operation of the system.

FACILITY # 61058000050 **DATE:** 2-15-96

DEALER: Texaco R & M

ADDRESS: 9069 Grapevine Rd.
Lembec, CA 93243

TYPE AND MODEL OF MONITOR Veeder-Root TLS-350

SYSTEM FUNCTION

TANKS	**PASS**	X	**FAIL**		**N/A**		
USED OIL	**PASS**	X	**FAIL**		**N/A**		
IN LINE	**PASS**		**FAIL**		**N/A**	X	
SUMPS MONITOR PRODUCT LINES	**PASS**	X	**FAIL**		**N/A**		
FILL SUMPS	**PASS**	X	**FAIL**		**N/A**		

WHEN MONITOR IS TURNED OFF OR IN ALARM DOES THE TURBINE SHUT OFF? **YES** _____
NO _____

IS THE CONSOLE LABELED CORRECTLY? **YES** X
NO _____

COMMENTS: _____

INSPECTED BY: R.J. MYERS & SONS, INC.

TECHNICIAN: Ron Norris

SIGNATURE: _____

LEAK DETECTORS TEST CHART

S/S #: 61058000050

LOCATION
9069 Grapevine Rd.
Lebec, CA 93243

SERVICE COMPANY
R.J. MYERS & SONS, INC.
P. O. BOX 191
CANOGA PARK, CA 91305

DATE 2-15-96

TECHNICIAN PERFORMING TEST: RON NORRIS

TECH #: _____

TYPE OF LEAK DETECTORS TESTED (CHECK APPROPRIATE MFG [S])

RED JACKET: 116-35, FX2

TOKHEIM: _____

VAPORLESS: _____

FE PETRO: _____

TEST INFORMATION

	1	2	3	4	5
	116-35	116-046 FX2			
SERIAL #	01918811	6388	N/A	116-35 5055	116-35 5057
GRADE	Super	Unleaded	Unl. Siph	Plus	Diesel
RESILIENCY (ML)	150 ml	175 ml		150 ml	100 ml
OPENING TIME (SEC)	3 sec	3 sec		3 sec	3 sec
TEST LEAK RATE ML/MIN	250 ml	300 ml		250 ml	200 ml
FUNCTIONAL ELEMENT					
HOLDING PSI	15	15		15	15
METERING PSI	35	35		35	35
PASS OR FAIL	PASS	PASS		PASS	PASS

NOTE: _____

DATE OF TEST: 2-15-96
LOCATION: I-5 Grapevine, Lebec, CA
OWNER: Texaco
OPERATOR: Steve Beagley
REASON FOR TEST: Line Test
TEST REQUESTED BY: Fred Long
SPECIAL INSTRUCTIONS:

STATION #: 6105800050
PHONE: 805-322-4774
PHONE:
PHONE:
PHONE:

CONTRACTOR - R.J. MYERS & SONS, INC. MECHANIC NAME: Ron Norris
TANK TEST WITH THIS LINE TEST: N
MAKE & TYPE OF PUMP OR DISPENSER: Gilbarco Red Jacket
WEATHER: Cloudy
TEMPERATURE IN TANKS: N/A
COVER OVER LINES: Concrete
APPROX. BURIAL DEPTH: 24"

	A	B	C	D	E	F	G	H	I
1	IDENTIFY EACH LINE AS TESTED	TIME (MILITARY)	LOG OF TEST PROCEDURES, AMBIENT TEMP. WEATHER, ETC.	PRESSURE BEFORE	PRESSURE AFTER	VOLUME READING - BEFORE	BOLUME READING - AFTER	NET CHANGE	CONCLUSIONS/REPAIRS/COMMENTS
2		0700	ARRIVED AT SITE, SET UP TEST EQUIPMENT AT DIST. TEST PORT.						
3	UNL	0744	BLEED BACK	50	0	0.0100	0.0500	0.0400	BLEED BACK: OK
4		0745	START LINE TEST	/	50		0.0590		LINE IS: TIGHT
5		0800	LINE TEST CONT	50	50	0.0590	0.0590	0.0000	VOLUME CHANGE .0000
6		0815		50	50	0.0590	0.0590	0.0000	
7		0830		50	50	0.0590	0.0590	0.0000	
8		0845		50	50	0.0590	0.0590	0.000	
9		0846	BLEED BACK	50	0	0.0200	0.0610	+ .0410	BLEED BACK: OK
10									
11		0744	BLEED BACK	50	0	0.0100	0.0490	0.0390	
12	SUPER	0745	START LINE TEST	/	50		0.0590		BLEED BACK: OK
13		0800		50	50	0.0590	0.0590	0.0000	LINE IS: TIGHT
14		0815		50	50	0.0590	0.0590	0.0000	VOLUME CHANGE: .000
15		0830		50	50	0.0590	0.0590	0.0000	
16		0845		50	50	0.0590	0.0590	0.0000	
17		0845	BLEED BACK	50	0	0.0110	0.0515	+ .0405	BLEED BACK: OK
18									
19		0929	BLEED BACK	50	0	0.0100	0.0410	+ .0310	BLEED BACK: OK
20	PLUS	0930	START LINE TEST	/	50		0.0850		LINE IS: TOGHT
21		0945	LINE TEST CON'T	48	50	0.0850	0.0835	-0.002	VOLUME CHANGE -.0035
22		1000		49	50	0.0825	0.0815	0.001	
23		1015		49	50	0.0815	0.0805	-0.001	
24		1030		50	50	0.0805	0.0805	+ .000	
25		1031	BLEED BACK	50	0	0.0005	0.0600	0.0595	BLEED BACK: OK
26									
27		0929	BLEED BACK	50	0	0.0100	0.0400	+ .0300	
28	DIESEL	0930	START LINE TEST	/	50				BLEED BACK: OK
29		0945	LINE TEST CON'T	49	50	0.0835	0.0825	0.0010	LINE IS: TIGHT
30		1000		50	50	0.0815	0.0815	+ .000	VOLUME CHANGE: -.001
31		1015		50	50	0.0805	0.0805	+ .000	
32		1030		50	50	0.0805	0.0805	+ .000	
33		1031	BLEED BACK	50	0	0.0005	0.0650	0.0645	BLEED BACK: OK

TIGHTNESS TESTING REPORTS
EVALUATION FORM

Specialist reviewing the tightness test report: Laurel Funk

Date tightness test reports were submitted: 7-6-95

Date tightness tests were completed: 4-26-95

Facility Permit Number: 330035

Number of Tanks Tested at the site: Ø (list the tanks by their tank numbers if provided)

Was the method a test of the entire tank system, piping alone, or just the facility tanks? (describe) Lines only

Did the facility pass all tests: X Yes _____ No
(if no, provide the leak rate and a description of the tank(s) that failed the test) (failure is > 0.1 gal per hour)

The facility will do the following to investigate the failed test:

The test method certification that is submitted to the state specifies that each test method be completed in a certain manner. Is there anything within the results which would suggest that the tank test was improperly completed? _____ Yes Ø No
(describe)

Information has been reviewed and placed within the database: ✓ YES _____ NO

Date entered within the database: 7/19/95

HM25 Entered by (name) JW

also annual report

R.J. MYERS & SONS, INC.
ENVIRONMENTAL COMPLIANCE
PETRO TITE TANK & LINE TESTING
P.O. BOX 191
CANOGA PARK, CA 91305
213-875-0830 / 818-993-9575
818-993-9576 / 818-993-9577 FAX

SUBJECT: Annual Electronic/Mechanical Monitoring System Inspection and Meter Calibration

DATE: 6-26-95 **LOCATION:** I5 / GRAPEVINE

S/S#: 61058000050 LEBEC, CA 93243

Dear Sir,

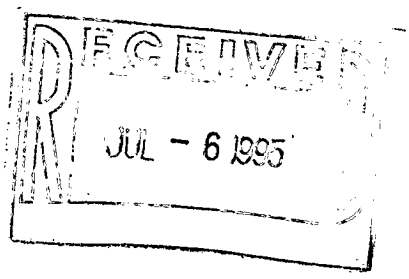
This is to verify that the annual inspection of the existing Monitoring System was performed at the above referenced facility. The method used to test the electronic and mechanical monitoring systems is approved by and exceeds the specifications according to the manufacturer.

R.J. Myers & Sons, Inc. has been contracted by Texaco R & M to insure that their facilities comply with all the rules and regulations that govern the operation of underground storage tanks and product lines. If you have any questions, please call.

Sincerely,

R.J. Myers & Sons, Inc.

Ronald J. Myers II
President



R.J. MYERS & SONS, INC.

ENVIRONMENTAL COMPLIANCE
PETRO TITE TANK & LINE TESTING

P.O. BOX 191
CANOGA PARK, CA 91305
213-875-0830 / 818-993-9575

DATE OF SERVICE: 6-26-95 S.S #: 61058000050

W.O. #: 119096-000 TECHNICIAN: ERICH WEINER

SERVICE REQUESTED BY FRED LONG

BILL TO: TEXACO R & M

SERVICE REQUESTED - ANNUAL
ELECTRONIC MONITOR CERTIFICATION

DESCRIPTION OF WORK

CHECK EACH PROBE FOR PROPER OPERA
CHECK EACH LIQUID SENSOR FOR PROPE
OPERATION. ALL SYSTEMS OPERATING A
PER MFG SPECS.

PROBE ID #

IN TANK
1. UNL. 1
2. UNL. 2
3. SUPER
4. PLUS
5. DIESEL
6. WASTE OIL

LIQUID SENSOR
1. UNL. 1 FILL
2. UNL. 2 FILL
3. SUPER FILL
4. PLUS FILL
5. DIESEL FILL
6. DIESEL SUMP
7. PLUS SUMP
8. SUPER SUMP
9. UNL. ANNULAR
10. SUPER ANNULAR
11. UNL. 2 ANNULAR
12. PLUS ANNULAR
13. DIESEL ANNULAR
14. LINER SUMP
15. UNL. SUMP
16. UNL. 2 SUMP
17. W. OIL SUMP
18. W. OIL ANNULAR

MODEL #: TLS 350

SERIAL #: 10013977805001

SYSTEM CERTIFIED

(YES) NO

SYSTEM PSD

(YES) N/A NO

SYSTEM RUNNING

(YES) NO

WASTE OIL

(YES) N/A NO

SYSTEM SEALED

(YES) NO

Monitor Certification
Inspection

This letter certifies that the monitor is in place, the probes are in the correct position and the operation of the system.

FACILITY # 61058000050 DATE: 6-26-95

DEALER TEXACO

ADDRESS I5 / GRAPEVINE

LEBEC, CA

TYPE AND MODEL OF MONITOR TLS 350

SYSTEM FUNCTION

TANKS	PASS X	FAIL	N/A
USED OIL	PASS X	FAIL	N/A
IN LINE	PASS	FAIL	N/A X
SUMPS MONITOR PRODUCT LINES	PASS X	FAIL	N/A
FILL SUMPS	PASS X	FAIL	N/A

WHEN MONITOR IS TURNED OFF OR IN ALARM DOES THE TURBINE SHUT DOWN? YES X

NO

IS THE CONSOLE LABELED CORRECTLY? YES X

NO

COMMENTS:

INSPECTED BY: R.J. MYERS & SONS, INC.

TECHNICIAN: ERICH WEINER

SIGNATURE: Erich Weiner

DATE OF TEST: 4-26-95 STATION #: S/S 61058000050

LOCATION: 9069 GRAPEVINE RD. LEBEC, CA PHONE 805-322-4774

OWNER : TEXACO R & M PHONE:

OPERATOR: PHONE

REASON FOR TEST: LINE TEST

TEST REQUESTED BY FRED LONG PHONE 805-579-5024

SPECIAL INSTRUCTIONS

CONTRACTOR – R.J. MYERS & SONS, INC. MECHANIC NAME: RON NORRIS

TANK TEST WITH THIS LINE TEST? NO

MAKE & TYPE OF PUMP OR DISPENSER RJ

WEATHER: CLEAR COVER OVER LINES CONCRETE

TEMPERATURE IN TANKS N/A APPROX. BURIAL DEPTH 24"+

IDENTIFY EACH LINE AS TESTED	TIME (MILITARY)	LOG OF TEST PROCEDURES, AMBIENT TEMPERATURE, WEATHER, ETC.	PRESSURE BEFORE	PRESSURE AFTER	VOLUME READING BEFORE	VOLUME READING AFTER	NET CHANGE	CONCLUSIONS/REPAIRS/COMMENTS
		ARRIVED AT SITE, SET UP TEST EQUIPMENT AT DIST. TEST PORT						
DIESEL	1259	BLEED BACK	50	0			+.0300	BLEED BACK OK
	1300	START LINE TEST	/	50		.032		LINE IS TIGHT
	1315	LINE TEST CON'T	50	50	.032	.032	.000	
	1330		50	50	.032	.032	.000	VOLUME CHANGE: .000
	1345		50	50	.032	.032	+.000	
	1400		50	50	.032	.032	.000	
	1401	BLEED BACK	50	0	.032	.065	+.0330	BLEED BACK OK
	1259	BLEED BACK	50	0	.0150	.0460	+.0310	
PLUS	1300	START LINE TEST	/	50				BLEED BACK OK
	1315		50	50	.032	.032	.000	LINE IS TIGHT
	1330		50	50	.032	.032	.000	
	1345		50	50	.032	.032	+.000	VOLUME CHANGE .000
	1400		50	50	.032	.032	+.000	
	1401	BLEED BACK	50	0	.0200	.0540	+.0340	BLEED BACK OK
	1414	BLEED BACK	50	0	.0150	.0450	+.0300	
PLUS	1415	START LINE TEST	/	50		.037		BLEED BACK OK
	1430	LINE TEST CON'T	50	50	.037	.037	.000	LINE IS TIGHT
	1445		50	50	.037	.037	.000	
	1500		50	50	.037	.037	.000	VOLUME CHANGE .000
	1515		50	50	.037	.037	.000	
	1516	BLEED BACK	50	0	.037	.0680	+.0310	BLEED BACK OK
	1414	BLEED BACK	50	0	.0100	.0405	+.0305	
UNLEADED	1415	START LINE TEST	/	50				BLEED BACK OK
	1430	LINE TEST CON'T	50	50	.037	.037	.000	LINE IS TIGHT
	1445		50	50	.037	.037	.000	
	1500		50	50	.037	.037	+.000	VOLUME CHANGE .000
	1515		50	50	.037	.037	+.000	
	1516	BLEED BACK	50	0	.0210	.0530	+.0320	BLEED BACK OK

COMMENTS:

LEAK DETECTORSTEST CHART

LOCATION	SERVICE COMPANY	DATE
S/S 61058000050	R.J. MYERS & SONS, INC.	4-26-95
9069 GRAPEVINE RD.	P.O. BOX 3007	
LEBEC, CA	N. HOLLYWOOD, CA 91609	

TECHNICIAN PERFORMING TEST: ERICH WEINER

TECH #: _____

TYPE OF LEAK DETECTORS TESTED [CHECK APPROPRIATE MFG(S)]

RED JACKET: X

TOKHEIM: _____

VAPORLESS: _____

FE PETRO: _____

TEST INFORMATION

	1	2	3	4
SERIAL #	30991 5055	30991 5057	10293 0095	30191 8611
GRADE	DIESEL	PLUS	UNLEAD.	PREM.
RESILIENCY (ML)	260	260	230	230
OPENING TIME (SEC)	3	3	3	3
TEST LEAK RATE ML/MIN	380	380	380	380
FUNCTIONAL ELEMENT HOLDING PSI	15	15	15	15
METERING PSI	30	30	30	30
PASS OR FAIL	PASS	PASS	PASS	PASS

NOTE: _____

330035

R. J. MYERS & SONS, INC.
SERVICE STATION CONSTRUCTION
PETRO TITE TANK & LINE TESTING

P.O. BOX 3007
NORTH HOLLYWOOD, CA. 91609

213-875-0830 / 818-768-2126
818-768-2127 / 818-768-2128 (FAX)

SUBJECT: Annual Electronic/Mechanical Monitoring System Inspection and Meter Calibration

DATE: 4-26-95
S/S#: 61058000050

LOCATION: 9065 I5/GRAPEVINE RD. LEBEC, CA

Dear Sir,

This is to certify that the annual inspection of the existing Monitoring System was performed at the above referenced facility. The method used to test the electronic and mechanical monitoring systems is approved by and exceeds the specifications according to the manufacturer.

R. J. Myers & Sons, Inc. has been contracted by TEXACO R & M to insure that their facilities comply with all the rules and regulations that govern the operation of underground storage tanks and product lines. If you have any questions, please call.

Sincerely,

R. J. MYERS & SONS, INC.

Ronald J. Myers II.
Vice President

DATE OF TEST: 4-26-95 STATION #: S/S 61058000050

LOCATION: 9069 GRAPEVINE RD. LEBEC, CA PHONE 805-322-4774

OWNER : TEXACO R & M PHONE:

OPERATOR: PHONE

REASON FOR TEST: LINE TEST

TEST REQUESTED BY FRED LONG PHONE 805-579-5024

SPECIAL INSTRUCTIONS

CONTRACTOR – R.J. MYERS & SONS, INC. MECHANIC NAME: RON NORRIS

TANK TEST WITH THIS LINE TEST? NO

MAKE & TYPE OF PUMP OR DISPENSER RJ

WEATHER: CLEAR COVER OVER LINES CONCRETE

TEMPERATURE IN TANKS N/A APPROX. BURIAL DEPTH 24"+

IDENTIFY EACH LINE AS TESTED	TIME (MILITARY)	LOG OF TEST PROCEDURES, AMBIENT TEMPERATURE, WEATHER, ETC.	PRESSURE BEFORE	PRESSURE AFTER	VOLUME READING BEFORE	VOLUME READING AFTER	NET CHANGE	CONCLUSIONS/REPAIRS/COMMENTS
		ARRIVED AT SITE, SET UP TEST EQUIPMENT AT DIST. TEST PORT						
DIESEL	1259	BLEED BACK	50	0			+.0300	BLEED BACK OK
	1300	START LINE TEST	/	50		.032		LINE IS TIGHT
	1315	LINE TEST CON'T	50	50	.032	.032	.000	
	1330		50	50	.032	.032	.000	VOLUME CHANGE: .000
	1345		50	50	.032	.032	+.000	
	1400		50	50	.032	.032	.000	
	1401	BLEED BACK	50	0	.032	.065	+.0330	BLEED BACK OK
	1259	BLEED BACK	50	0	.0150	.0460	+.0310	
PLUS	1300	START LINE TEST	/	50				BLEED BACK OK
	1315		50	50	.032	.032	.000	LINE IS TIGHT
	1330		50	50	.032	.032	.000	
	1345		50	50	.032	.032	+.000	VOLUME CHANGE .000
	1400		50	50	.032	.032	+.000	
	1401	BLEED BACK	50	0	.0200	.0540	+.0340	BLEED BACK OK
	1414	BLEED BACK	50	0	.0150	.0450	+.0300	
PLUS	1415	START LINE TEST	/	50		.037		BLEED BACK OK
	1430	LINE TEST CON'T	50	50	.037	.037	.000	LINE IS TIGHT
	1445		50	50	.037	.037	.000	
	1500		50	50	.037	.037	.000	VOLUME CHANGE .000
	1515		50	50	.037	.037	.000	
	1516	BLEED BACK	50	0	.037	.0680	+.0310	BLEED BACK OK
	1414	BLEED BACK	50	0	.0100	.0405	+.0305	
UNLEADED	1415	START LINE TEST	/	50				BLEED BACK OK
	1430	LINE TEST CON'T	50	50	.037	.037	.000	LINE IS TIGHT
	1445		50	50	.037	.037	.000	
	1500		50	50	.037	.037	+.000	VOLUME CHANGE .000
	1515		50	50	.037	.037	+.000	
	1516	BLEED BACK	50	0	.0210	.0530	+.0320	BLEED BACK OK

COMMENTS:

LEAK DETECTORSTEST CHART

LOCATION	SERVICE COMPANY	DATE
S/S 61058000050	R.J. MYERS & SONS, INC.	4-26-95
9069 GRAPEVINE RD.	P.O. BOX 3007	
LEBEC, CA	N. HOLLYWOOD, CA 91609	

TECHNICIAN PERFORMING TEST: ERICH WEINER

TECH #: _____

TYPE OF LEAK DETECTORS TESTED [CHECK APPROPRIATE MFG(S)]

RED JACKET: X

TOKHEIM: _____

VAPORLESS: _____

FE PETRO: _____

TEST INFORMATION

	1	2	3	4
SERIAL #	30991 5055	30991 5057	10293 0095	30191 8611
GRADE	DIESEL	PLUS	UNLEAD.	PREM.
RESILIENCY (ML)	260	260	230	230
OPENING TIME (SEC)	3	3	3	3
TEST LEAK RATE ML/MIN	380	380	380	380
FUNCTIONAL ELEMENT HOLDING PSI	15	15	15	15
METERING PSI	30	30	30	30
PASS OR FAIL	PASS	PASS	PASS	PASS

NOTE: _____

TIGHTNESS TESTING REPORTS
EVALUATION FORM

Specialist reviewing the tightness test report: Laurel Funk

Date tightness test reports were submitted: 11/7/94

Date tightness tests were completed: 10/25/94

Facility Permit Number: 330035

Number of Tanks Tested at the site: 0 (list the tanks by their tank numbers if provided)

Was the method a test of the entire tank system, piping alone, or just the facility tanks? (describe) Lines Only

Did the facility pass all tests: ✓ Yes _____ No
(if no, provide the leak rate and a description of the tank(s) that failed the test) (failure is > 0.1 gal per hour)

The facility will do the following to investigate the failed test:

The test method certification that is submitted to the state specifies that each test method be completed in a certain manner. Is there anything within the results which would suggest that the tank test was improperly completed? _____ Yes ✓ No

(describe)

Information has been reviewed and placed within the database: ✓ YES _____ NO

Date entered within the database: 11-16-94

HM25 Entered by (name) JW

CERTIFICATE OF UNDERGROUND STORAGE TANK SYSTEM TESTING

RECEIVED NOV - 7 1994

NDE ENVIRONMENTAL CORPORATION
8906 WALL STREET, SUITE 306
AUSTIN, TEXAS 78754
(512) 719-4633
FAX (512) 719-4986

TEST RESULT SITE SUMMARY REPORT

TEST TYPE: Alert 1000

TEST DATE: October 25, 1994

WORK ORDER NUMBER: 913987

INVOICE DATE:

INVOICE NUMBER:

CLIENT: TEXACO REFINING AND MARKETING, INC
ATTN F. G. LONG
10 UNIVERSSAL CITY PLAZA, 4TH FLOOR
UNIVERSAL CITY, CA 91608

ATTN: FRED LONG

SITE: TEXACO #61-058-0050
INTERSTATE 5 AND GRAPEVINE
LEBEC, CA 93243

The following tests were conducted at the site above in accordance with all applicable portions of Federal, NFP A and local regulations.

Line and Leak Detector Tests

TANK NUMBER	PRODUCT	VOLUME CHANGE (gph) A B C D	LINE RESULT (P=pass, F=fail I=inconclusive) A B C D	LEAK DETECTOR PRESENT	LEAK DETECTOR RESULT
LINE 1	SUPER	0.004	P	YES	PASS
LINE 2	UNLEADED	0.003	P	YES	PASS
LINE 3	PLUS	0.004	P	YES	PASS
LINE 4	DIESEL	0.003	P	YES	PASS

NDE appreciates the opportunity to serve you, and looks forward to working with you in the future. Please call any time, day or night, when you need us.

NDE Customer Service Representative:
FRANK MILLER

Test conducted by:
HENSLEY BARBOUR

Reviewed: Frank D. Miller

Technician Certification Number: 1189

INDIVIDUAL TANK/LINE/LEAK DETECTOR TEST REPORT

NDE ENVIRONMENTAL CORPORATION

TEST DATE: October 25, 1994 WORK ORDER NUMBER: 913987

CLIENT: TEXACO REFINING AND MARKETING, INC SITE: TEXACO #61-058-0050

TANK INFORMATION

Tank ID:	LINE 1	Bottom to top fill in inches:	
Product:	SUPER	Bottom to grade fill in inches:	
Capacity in gallons:		Fill pipe length in inches:	
Diameter in inches:		Fill pipe diameter in inches:	
Length in inches:		Stage I vapor recovery:	
Material:		Stage II vapor recovery:	
Manifolded Tank:			
Manifolded Vent:			
Manifolded V/R:			

COMMENTS

TANK TEST RESULTS

Test method:	
Psi at tank bottom:	
Fluid level in inches:	
UFT/OFT:	
Fluid volume in gallons:	
Water level in inches:	
Test time:	
Number of thermisters:	
Specific gravity:	
Water table depth in inches:	
Determined by (method):	
Leak rate in gph:	
RESULT:	

COMMENTS

LEAK DETECTOR RESULTS

	New/passed detector	Failed/replaced detector
Test method:	FTA	
Make:	RED JACKET	
Model:	X.L.P.	
S/N:	***** ****	
Open time in sec:	3.00	
Holding psi:	10	
Resiliency cc:	345	
Test leak rate ml/min:	189.0	
Metering psi:	26	
Calib. leak in gph:	3.00	
RESULT:	PASS	

COMMENTS

ULLAGE TEST RESULTS

Test method:	
Test time:	
Ullage volume:	
Ullage pressure:	
RESULT:	

DATA FOR UTS-4T ONLY:

Time of test 1:	
Temperature:	
Flow rate (cfh):	
Time of test 2:	
Temperature:	
Flow rate (cfh):	
Time of test 3:	
Temperature:	
Flow rate (cfh):	

COMMENTS

LINE TEST RESULTS

LINE	A	B	C	D
Material:	FIBERGLASS			
Diameter (in):	2.0			
Length (ft):				
Test psi:	50			
Bleedback cc:	35			
Test time (min):	30			
Test 1: start time:	04:50			
- finish psi:	50			
vol change cc:	3			
Test 2: start time:	05:00			
finish psi:	50			
vol change cc:	3			
Test 3: start time:	05:10			
finish psi:	50			
vol change cc:	2			
Final gph:	0.004			
RESULT:	PASS			

Test type: AcuRite

Pump type: PRESSURE Pump make: RED JACKET

COMMENTS

8906 WALL STREET SUITE 306, AUSTIN, TEXAS 78754 (512) 719-4633

INDIVIDUAL TANK/LINE/LEAK DETECTOR TEST REPORT

NDE ENVIRONMENTAL CORPORATION

TEST DATE: October 25, 1994 WORK ORDER NUMBER: 913987

CLIENT: TEXACO REFINING AND MARKETING, INC SITE: TEXACO #61-058-0050

TANK INFORMATION

Tank ID:	LINE 2	Bottom to top fill in inches:	
Product:	UNLEADED	Bottom to grade fill in inches:	
Capacity in gallons:		Fill pipe length in inches:	
Diameter in inches:		Fill pipe diameter in inches:	
Length in inches:		Stage I vapor recovery:	
Material:		Stage II vapor recovery:	
Manifolded Tank:			
Manifolded Vent:			
Manifolded V/R:			

COMMENTS

TANK TEST RESULTS

Test method:	
Psi at tank bottom:	
Fluid level in inches:	
UFT/OFT:	
Fluid volume in gallons:	
Water level in inches:	
Test time:	
Number of thermisters:	
Specific gravity:	
Water table depth in inches:	
Determined by (method):	
Leak rate in gph:	
RESULT:	

COMMENTS

LEAK DETECTOR RESULTS

	New/passed detector	Failed/replaced detector
Test method:	FTA	
Make:	RED JACKET	
Model:	X.L.P.	
S/N:	***** ****	
Open time in sec:	3.00	
Holding psi:	12	
Resiliency cc:	350	
Test leak rate ml/min:	189.0	
Metering psi:	26	
Calib. leak in gph:	3.00	
RESULT:	PASS	

COMMENTS

ULLAGE TEST RESULTS

Test method:	
Test time:	
Ullage volume:	
Ullage pressure:	
RESULT:	

DATA FOR UTS-4T ONLY:

Time of test 1:	
Temperature:	
Flow rate (cfh):	
Time of test 2:	
Temperature:	
Flow rate (cfh):	
Time of test 3:	
Temperature:	
Flow rate (cfh):	

COMMENTS

LINE TEST RESULTS

LINE	A	B	C	D
Material:	FIBERGLASS			
Diameter (in):	2.0			
Length (ft):				
Test psi:	50			
Bleedback cc:	50			
Test time (min):	30			
Test 1: start time:	05:20			
finish psi:	50			
vol change cc:	3			
Test 2: start time:	05:30			
finish psi:	50			
vol change cc:	2			
Test 3: start time:	05:40			
finish psi:	50			
vol change cc:	1			
Final gph:	0.003			
RESULT:	PASS			

Test type: AcuRite

Pump type: PRESSURE Pump make: RED JACKET

COMMENTS

INDIVIDUAL TANK/LINE/LEAK DETECTOR TEST REPORT

NDE ENVIRONMENTAL CORPORATION

TEST DATE: October 25, 1994 WORK ORDER NUMBER: 913987

CLIENT: TEXACO REFINING AND MARKETING, INC SITE: TEXACO #61-058-0050

TANK INFORMATION

Tank ID: LINE 3
Product: PLUS
Capacity in gallons:
Diameter in inches:
Length in inches:
Material:
Manifolded Tank:
Manifolded Vent:
Manifolded V/R:

Bottom to top fill in inches:
Bottom to grade fill in inches:
Fill pipe length in inches:
Fill pipe diameter in inches:
Stage I vapor recovery:
Stage II vapor recovery:

COMMENTS

TANK TEST RESULTS

Test method:
Psi at tank bottom:
Fluid level in inches:
UFT/OFT:
Fluid volume in gallons:
Water level in inches:
Test time:
Number of thermisters:
Specific gravity:
Water table depth in inches:
Determined by (method):
Leak rate in gph:
RESULT:

COMMENTS

LEAK DETECTOR RESULTS

	New/passed detector	Failed/replaced detector
Test method:	FTA	
Make:	RED JACKET	
Model:	X.L.P.	
S/N:	30991 5057	
Open time in sec:	3.00	
Holding psi:	12	
Resiliency cc:	345	
Test leak rate ml/min:	189.0	
Metering psi:	26	
Calib. leak in gph:	3.00	
RESULT:	PASS	

COMMENTS

ULLAGE TEST RESULTS

Test method:
Test time:
Ullage volume:
Ullage pressure:
RESULT:

DATA FOR UTS-4T ONLY:

Time of test 1:
Temperature:
Flow rate (cfh):
Time of test 2:
Temperature:
Flow rate (cfh):
Time of test 3:
Temperature:
Flow rate (cfh):

COMMENTS

LINE TEST RESULTS

LINE	A	B	C	D
Material:	FIBERGLASS			
Diameter (in):	2.0			
Length (ft):				
Test psi:	50			
Bleedback cc:	35			
Test time (min):	30			
Test 1: start time:	05:50			
finish psi:	50			
vol change cc:	4			
Test 2: start time:	06:00			
finish psi:	50			
vol change cc:	2			
Test 3: start time:	06:10			
finish psi:	50			
vol change cc:	2			
Final gph:	0.004			
RESULT:	PASS			

Test type: AcuRite

Pump type: PRESSURE Pump make: RED JACKET

COMMENTS

INDIVIDUAL TANK/LINE/LEAK DETECTOR TEST REPORT

NDE ENVIRONMENTAL CORPORATION

TEST DATE: October 25, 1994 WORK ORDER NUMBER: 913987

CLIENT: TEXACO REFINING AND MARKETING, INC SITE: TEXACO #61-058-0050

TANK INFORMATION

Tank ID:	LINE 4	Bottom to top fill in inches:	
Product:	DIESEL	Bottom to grade fill in inches:	
Capacity in gallons:		Fill pipe length in inches:	
Diameter in inches:		Fill pipe diameter in inches:	
Length in inches:		Stage I vapor recovery:	
Material:		Stage II vapor recovery:	
Manifolded Tank:			
Manifolded Vent:			
Manifolded V/R:			

COMMENTS

TANK TEST RESULTS

Test method:	
Psi at tank bottom:	
Fluid level in inches:	
UFT/OFT:	
Fluid volume in gallons:	
Water level in inches:	
Test time:	
Number of thermisters:	
Specific gravity:	
Water table depth in inches:	
Determined by (method):	
Leak rate in gph:	
RESULT:	

COMMENTS

LEAK DETECTOR RESULTS

	New/passed detector	Failed/replaced detector
Test method:	FTA	
Make:	RED JACKET	
Model:	X.L.P.	
S/N:	30991 5055	
Open time in sec:	3.00	
Holding psi:	12	
Resiliency cc:	345	
Test leak rate ml/min:	189.0	
Metering psi:	26	
Calib. leak in gph:	3.00	
RESULT:	PASS	

COMMENTS

ULLAGE TEST RESULTS

Test method:	
Test time:	
Ullage volume:	
Ullage pressure:	
RESULT:	

DATA FOR UTS-4T ONLY:

Time of test 1:	
Temperature:	
Flow rate (cfh):	
Time of test 2:	
Temperature:	
Flow rate (cfh):	
Time of test 3:	
Temperature:	
Flow rate (cfh):	

COMMENTS

LINE TEST RESULTS

LINE	A	B	C	D
Material:	FIBERGLASS			
Diameter (in):	2.0			
Length (ft):				
Test psi:	50			
Bleedback cc:	25			
Test time (min):	30			
Test 1: start time:	06:20			
finish psi:	50			
vol change cc:	2			
Test 2: start time:	06:30			
finish psi:	50			
vol change cc:	2			
Test 3: start time:	06:40			
finish psi:	50			
vol change cc:	1			
Final gph:	0.003			
RESULT:	PASS			

Test type: AcuRite

Pump type: PRESSURE Pump make: RED JACKET

COMMENTS

TIGHTNESS TESTING REPORTS
EVALUATION FORM

Specialist reviewing the tightness test report: Laurel Funk

Date tightness test reports were submitted: 2-2-94

Date tightness tests were completed: 1-22-94

Facility Permit Number: 330035

Number of Tanks Tested at the site: 0 (list the tanks by their tank numbers if provided) _____

Was the method a test of the entire tank system, piping alone, or just the facility tanks? (describe) Piping only

_____

Did the facility pass all tests: ✓ Yes _____ No
(if no, provide the leak rate and a description of the tank(s) that failed the test) (failure is > 0.1 gal per hour) _____

_____

_____

The facility will do the following to investigate the failed test:

_____

_____

_____

The test method certification that is submitted to the state specifies that each test method be completed in a certain manner. Is there anything within the results which would suggest that the tank test was improperly completed? _____ Yes ✓ No

(describe) _____

_____

_____

Information has been reviewed and placed within the database: ✓ YES _____ NO

Date entered within the database: 2/3/94

HM25 Entered by (name) JW

30 min PRE DATA COLLECTE PRIOR TO TEST

UNDERGROUND TANK TESTERS, INC.

917 West Belleview, Porterville, CA 93257
1-800-244-1921

TESTER LOG

PIPING TIGHTNESS DETERMANATION PL400 FORMAT

TEST LOCATION: TEXACO
9069 GRAPEVINE ROAD WEST
LEBEC, CA 93243

TEST OPERATOR: Dennis E Goodan
DENNIS E. GOODAN UTTL. #92-1000

Date 1-22-94

	Line Temp. Variance	Tester Temp. Variance	Air & Modulus	Test Duration	Initial Pressure	Final Pressure	Volume Displaced	Leak Rate	Leak Rate	Leak Rate	Leak Rate	Average Leak Rate	Pass	Fail
Reg. Unld.				5	50	46	-9	-0214				-0214	✓	
Unld. Plus				5	50	47	-7	-0167				-0167	✓	
Super Unld.				5	50	48	-8	-0191				-0191	✓	
Diesel				5	50	47	-7	-0167				-0167	✓	
User Instructions (rev.D) Step #	17A or 18A	18B	18D	18D 0R 18E	17	18F	18F	18F	OPTION **	OPTION **	OPTION **			

18F Calculation:

For plus change, use -
For minus change, use +

$$\text{Leak Rate} = -1\left[(.752)\frac{\overset{①}{\bullet \times \bullet}}{\underset{\text{18F}}{\bullet}\ \underset{\text{60}}{3786}}\right] \pm (\underset{\text{18B}}{\bullet})\left[(.752)\frac{\overset{②}{\bullet \times \bullet}}{\underset{\text{18F}}{\bullet}\ \underset{\text{60}}{3786}}\right]$$

Time of Test (Divide) Time of Test (Divide)

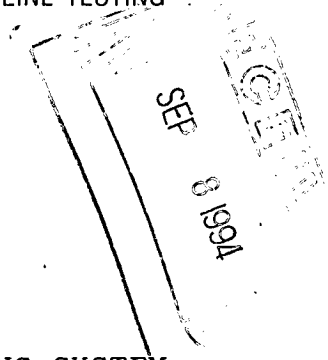
Comments:

Leak Detector functioning properly ✓

R. J. Myers & Sons, Inc.

330035
OK4f

SERVICE STATION CONSTRUCTION / PETRO TITE TANK & LINE TESTING
P.O. BOX 3007
NO. HOLLYWOOD, CA. 91609
213-875-0830 / 818-768-2126
818-768-2127 / 818-768-2128 FAX



SUBJECT: ANNUAL ELECTRONIC/MECHANICAL MONITORING SYSTEM INSPECTION AND METER CALIBRATION

DATE: 8/23/94

LOCATION: 61058000050
I-5/GRAPEVINE
LEBEC, CA

Dear Sir,

This is to certify that the annual inspection of the existing Monitoring System was performed at the above referenced facility. The method used to test the electronic and mechanical monitoring systems is approved by and exceeds the specifications according to the manufacturer.

R. J. Myers & Sons, Inc. has been contracted by **TEXACO R & M Inc.** to insure that their facilities comply with all the rules and regulations that govern the operation of underground storage tanks and product lines. If you have any questions, please call.

Sincerely,

R.J. MYERS & SONS, INC.

Ronald J. Myers II

Ronald J. Myers II
Vice President

RJM:MLS

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R. J. Myers & Sons, Inc.
SERVICE STATION CONSTRUCTION / PETRO TITE TANK & LINE TESTING
P.O. BOX 3007
NO. HOLLYWOOD, CA. 91609
213-875-0830 / 818-768-2126
818-768-2127 / 818-768-2128 FAX

TEXACO R & M INC.
10 Universal City Plaza
Universal City, Ca 91608

Attn: Fred Long

STATION LOCATION: 61058000050
I-5/GRAPEVINE, LEBEC, CA
RE: LEAK DETECTION SYSTEM CERTIFICATION

For your information and records, the leak detection system at the above referenced site was certified on 8/23/94 by R. J. Myers & Sons, Inc. as indicated below.

PRODUCT LINE	TANK	WASTE OIL TANK
TYPE TLS 350	TYPE TLS350	TYPE TLS350
MONITOR	MONITOR	MONITOR
_____Non Existing	_____Non Existing	_____Non Existing
__X__Operational	__X__Operational	__X__Operational
____Non Operational	____Non Operational	_____Non Operational

Please feel free to contract our office for any questions you may have regarding your leak detection equipment.

Sincerely,
R. J. MYERS & SONS, INC.

Ronald J. Myers II

Ronald J. Myers II
Vice President

RJM:MLS

R. J. Myers & Sons, Inc.

SERVICE STATION CONSTRUCTION / PETRO TITE TANK & LINE TESTING
P.O. BOX 3007
NO. HOLLYWOOD, CA. 91609

213-875-0830 / 818-768-2126
818-768-2127 / 818-768-2128 FAX

DATE OF SERVICE 8/03/94 SS# 61058000050 WO# 1114222-000

TECHNICIAN: ERICH WEINER SERVICE REQUESTED BY: FRED LONG

BILL TO: TEXACO R & M
10 UNIVERSAL CITY PLAZA
UNIVERSAL CITY, CA

SERVICE REQUESTED: ANNUAL CERTIFICATION

DESCRIPTION OF WORK: TESTED ALL SENSORS FOR PROPER OPERATION. ALL SYSTEMS OPERATING PER MFG. SPECIFICATIONS AT TIME OF INSPECTION.

MODEL# TLS350 SERIAL# 10812977805001

PROBE I.D.#:
1 UNL. FILL
2 UNL. FILL
3 SUP. FILL
4 PLUS FILL
5 DIESEL "
6 DIESEL SUMP
7 PLUS SUMP
8 SUPER SUMP
9 UNL. ANNULAR
10 SUPER "
11 UNL.II "
12 PLUS "
13 DIESEL "
14 LINER SUMP
15 UNL.I SUMP
16 UNL.II "
17 W/O "
18 W/O ANNULAR

SYSTEM CERTIFIED: (YES) NO

SYSTEM PSD: (YES) NO

SYSTEM RUNNING: (YES) NO

WASTE OIL: (YES) NO

SYSTEM SEALED: (YES) NO

RECEIVED ALARM CALL AT: _____
LEFT FOR JOB SITE: _____
ARRIVED AT JOB SITE: _____
LEFT JOB SITE: _____
RETURNED TO BASE: _____

LDT 880 - LEAK DETECTOR CHECKLIST

CONTRACTOR: R.J. MYERS & SONS, INC.	CUSTOMER: TEXACO 6105800050
DATE: 8/23/94 — PRODUCT: SUPER	LOCATION: I-5/GRAPEVINE
TECHNICIAN: ERICH WEINER	LEBEC, CA

I SUBMERSIBLE PUMP IDENTIFICATION

CHECK MFG. INDICATE MODEL NO. IF KNOWN — RECORD SERIAL # 1007 7104

RED JACKET	TOKHEIM	GILBARCO	BENNETT	DRESSER WAYNE	A.O. SMITH	BOWSER KEENE	SOUTH WEST	OTHER
X 3/4								

II LEAK DETECTOR IDENTIFICATION

CHECK TYPE: 10191 8811

RED JACKET MODEL 116-030 PLD-2SEC HEX HEAD	RED JACKET MODEL 116-017 DLD 2SEC HEX HEAD	RED JACKET MODEL 116-011A DLD 5SEC ROUND HEAD	TOKHEIM MODEL 585PM DLD 2SEC SQUARE HEAD	OTHER
				RJ 116-035 X

PRE-TEST CONDITIONS
VOLUME OF PRODUCT FLUSHED THRU LINE _____ GALLONS

OTHER COMMENTS _____

TEST PROCEDURE

LEAK DETECTOR INSTALLED TEST AT DISPENSER

III GENERAL LINE AND PUMP INFORMATION

RECORD OPERATING PUMP PRESSURE 29 psig.
AIR-VAPOR TEST WITH PUMP OFF MEASURE AND RECORD 200 ML

IV PRESSURE STEP TEST

WITH BOTTOM SELECTOR IN PRESSURE STEP TEST POSITION TURN ON PUMP
RECORD TIME IN SECONDS GUAGE NEEDLE REMAINS IN COLORED ZONE 2 SEC.

V 3 GALLON PER HOUR LEAK SIMULATED TEST

WITH BOTTOM SELECTOR IN 3 GPH TEST POSITION
A) MEASURE AND RECORD VOLUME IN CALIBRATED BEAKER FOR 60 SECOND TEST 150 ML
B) OPEN DISPENSER NOZZLE OR PLACE BOTTOM SELECTOR IN DISPENSER NOZZLE POSITION. FLOW RATE OF APPROX. 1 1/2-3GAL PER MINUTE WILL BE OBSERVED.
DOES GUAGE NEEDLE MOVE TO LOWER END OF COLORED ZONE YES X NO ____
DOES FLOW RATE INCREASE TO APPROX. 1 1/2-3GAL PER MINUTE YES X NO ____
C) CLOSE DISPENSER NOZZLE OR PLACE BOTTOM SELECTOR IN 3GPH TEST POSITION:
GUAGE RETURN TO COLORED ZONE YES X NO ____
GUAGE DOES NOT RETURN TO COLORED ZONE YES ____ NO X
GAUGE GOES TO OPERATING PRESSURE YES ____ NO X

LEAK DETECTOR TEST — PASS X / FAIL ____

LEAK DETECTOR ISOLATED FROM PRODUCT LINE - TEST AT PUMP PIT

REFER TO LDT INSTRUCTIONS

III GENERAL PUMP INFORMATION

FLUSH LDT TESTOR
RECORD OPERATING PUMP PRESSURE _____ psig.

IV PRESSURE STEP TEST - SUBMERSIBLE PUMP REMAINS ON THRU-OUT TEST PROCEDURE

WITH BOTTOM SELECTOR IN PRESSURE STEP TEST POSITION ROTATE ISOLATOR FULLY (CC/W)
RECORD TIME IN SECONDS GUAGE NEEDLE REMAINS IN COLORED ZONE _____ SEC.

V 3 GALLON PER HOUR LEAK SIMULATED TEST

WITH BOTTOM SELECTOR IN 3 GPH TEST POSITION
A) MEASURE AND RECORD VOLUME IN CALIBRATED BEAKER FOR 60 SECOND TEST _____ ML
B) PLACE BOTTOM SELECTOR IN DISPENSER NOZZLE POSITION. FLOW RATE OF APPROX. 11/2-3GAL PER MINUTE WILL BE OBSERVED.
DOES GUAGE NEEDLE MOVE TO LOWER END OF COLORED ZONE YES ____ NO ____
DOES FLOW RATE INCREASE TO APPROX. 1 1/2-3GAL PER MINUTE YES ____ NO ____
C) PLACE BOTTOM SELECTOR IN 3GPH TEST POSITION:
GUAGE RETURN TO COLORED ZONE YES ____ NO ____
GUAGE DOES NOT RETURN TO COLORED ZONE YES ____ NO ____
GAUGE GOES TO OPERATING PRESSURE YES ____ NO ____

LEAK DETECTOR TEST — PASS ____ / FAIL ____

LDT 880 - LEAK DETECTOR CHECKLIST

CONTRACTOR: R.J. MYERS & SONS, INC.	CUSTOMER: TEXACO 61058000050
DATE: 8/23/94 — PRODUCT: UNLEADED	LOCATION: I-5/GRAPEVINE
TECHNICIAN: ERICH WEINER	LEBEC, CA

I SUBMERSIBLE PUMP IDENTIFICATION

CHECK MFG. INDICATE MODEL NO. IF KNOWN — RECORD SERIAL # UNK

RED JACKET		TOKHEIM		GILBARCO		BENNETT		DRESSER WAYNE		A.O. SMITH		BOWSER KEENE		SOUTH WEST		OTHER	
X	3/4																

II LEAK DETECTOR IDENTIFICATION

CHECK TYPE — 10293 0095

RED JACKET MODEL 116-030 PLD-2SEC HEX HEAD		RED JACKET MODEL 116-017 DLD 2SEC HEX HEAD		RED JACKET MODEL 116-011A DLD 5SEC ROUND HEAD		TOKHEIM MODEL 585PM DLD 2SEC SQUARE HEAD		OTHER RJ 116-035	X

PRE-TEST CONDITIONS

VOLUME OF PRODUCT FLUSHED THRU LINE _____ GALLONS

OTHER COMMENTS _____

TEST PROCEDURE

LEAK DETECTOR INSTALLED TEST AT DISPENSER

III GENERAL LINE AND PUMP INFORMATION

RECORD OPERATING PUMP PRESSURE 30 psig.
AIR-VAPOR TEST WITH PUMP OFF MEASURE AND RECORD 250 ML

IV PRESSURE STEP TEST

WITH BOTTOM SELECTOR IN PRESSURE STEP TEST POSITION TURN ON PUMP
RECORD TIME IN SECONDS GUAGE NEEDLE REMAINS IN COLORED ZONE 2 SEC.

V 3 GALLON PER HOUR LEAK SIMULATED TEST

WITH BOTTOM SELECTOR IN 3 GPH TEST POSITION

A) MEASURE AND RECORD VOLUME IN CALIBRATED BEAKER FOR 60 SECOND TEST 150 ML

B) OPEN DISPENSER NOZZLE OR PLACE BOTTOM SELECTOR IN DISPENSER NOZZLE POSITION.
FLOW RATE OF APPROX. 1½-3GAL PER MINUTE WILL BE OBSERVED.
DOES GUAGE NEEDLE MOVE TO LOWER END OF COLORED ZONE YES X NO ____
DOES FLOW RATE INCREASE TO APPROX. 1½-3GAL PER MINUTE YES X NO ____

C) CLOSE DISPENSER NOZZLE OR PLACE BOTTOM SELECTOR IN 3GPH TEST POSITION:
GUAGE RETURN TO COLORED ZONE YES X NO ____
GUAGE DOES NOT RETURN TO COLORED ZONE YES ____ NO X
GAUGE GOES TO OPERATING PRESSURE YES ____ NO X

LEAK DETECTOR TEST — PASS X / FAIL ____

LEAK DETECTOR ISOLATED FROM PRODUCT LINE - TEST AT PUMP PIT

REFER TO LDT INSTRUCTIONS

III GENERAL PUMP INFORMATION

FLUSH LDT TESTOR
RECORD OPERATING PUMP PRESSURE _____ psig.

IV PRESSURE STEP TEST - SUBMERSIBLE PUMP REMAINS ON THRU-OUT TEST PROCEDURE

WITH BOTTOM SELECTOR IN PRESSURE STEP TEST POSITION ROTATE ISOLATOR FULLY (CC/W)
RECORD TIME IN SECONDS GUAGE NEEDLE REMAINS IN COLORED ZONE _____ SEC.

V 3 GALLON PER HOUR LEAK SIMULATED TEST

WITH BOTTOM SELECTOR IN 3 GPH TEST POSITION

A) MEASURE AND RECORD VOLUME IN CALIBRATED BEAKER FOR 60 SECOND TEST _____ ML

B) PLACE BOTTOM SELECTOR IN DISPENSER NOZZLE POSITION.
FLOW RATE OF APPROX. 11/2-3GAL PER MINUTE WILL BE OBSERVED.
DOES GUAGE NEEDLE MOVE TO LOWER END OF COLORED ZONE YES ____ NO ____
DOES FLOW RATE INCREASE TO APPROX. 1½-3GAL PER MINUTE YES ____ NO ____

C) PLACE BOTTOM SELECTOR IN 3GPH TEST POSITION:
GUAGE RETURN TO COLORED ZONE YES ____ NO ____
GUAGE DOES NOT RETURN TO COLORED ZONE YES ____ NO ____
GAUGE GOES TO OPERATING PRESSURE YES ____ NO ____

LEAK DETECTOR TEST — PASS ____ / FAIL ____

LDT 880 - LEAK DETECTOR CHECKLIST

CONTRACTOR: R.J. MYERS & SONS, INC.	CUSTOMER: TEXACO 60158000050
DATE: 8/23/94 — PRODUCT: DIESEL	LOCATION: I-5/GRAPEVINE
TECHNICIAN: ERICH WEINER	LEBEC, CA

I SUBMERSIBLE PUMP IDENTIFICATION

CHECK MFG.
INDICATE MODEL NO. IF KNOWN

RECORD SERIAL # 1007112847101

RED JACKET		TOKHEIM		GILBARCO		BENNETT		DRESSER WAYNE		A.O. SMITH		BOWSER KEENE		SOUTH WEST		OTHER	
X	3/4																

II LEAK DETECTOR IDENTIFICATION

CHECK TYPE 309915055

RED JACKET MODEL 116-030 PLD-2SEC HEX HEAD		RED JACKET MODEL 116-017 DLD 2SEC HEX HEAD		RED JACKET MODEL 116-011A DLD 5SEC ROUND HEAD		TOKHEIM MODEL 585PM DLD 2SEC SQUARE HEAD		OTHER	
								RJ 116-035	X

PRE-TEST CONDITIONS
VOLUME OF PRODUCT FLUSHED THRU LINE _____ GALLONS

OTHER COMMENTS _____

TEST PROCEDURE

LEAK DETECTOR INSTALLED TEST AT DISPENSER

III GENERAL LINE AND PUMP INFORMATION

RECORD OPERATING PUMP PRESSURE 29 psig.
AIR-VAPOR TEST WITH PUMP OFF MEASURE AND RECORD 200 ML

IV PRESSURE STEP TEST

WITH BOTTOM SELECTOR IN PRESSURE STEP TEST POSITION TURN ON PUMP
RECORD TIME IN SECONDS GUAGE NEEDLE REMAINS IN COLORED ZONE 2 SEC.

V 3 GALLON PER HOUR LEAK SIMULATED TEST

WITH BOTTOM SELECTOR IN 3 GPH TEST POSITION

A) MEASURE AND RECORD VOLUME IN CALIBRATED BEAKER FOR 60 SECOND TEST 150 ML

B) OPEN DISPENSER NOZZLE OR PLACE BOTTOM SELECTOR IN DISPENSER NOZZLE POSITION.
FLOW RATE OF APPROX. 1½-3GAL PER MINUTE WILL BE OBSERVED.
DOES GUAGE NEEDLE MOVE TO LOWER END OF COLORED ZONE YES X NO ____
DOES FLOW RATE INCREASE TO APPROX. 1½-3GAL PER MINUTE YES X NO ____

C) CLOSE DISPENSER NOZZLE OR PLACE BOTTOM SELECTOR IN 3GPH TEST POSITION:
GUAGE RETURN TO COLORED ZONE YES X NO ____
GUAGE DOES NOT RETURN TO COLORED ZONE YES ____ NO X
GAUGE GOES TO OPERATING PRESSURE YES ____ NO X

LEAK DETECTOR TEST — PASS X / FAIL ____

LEAK DETECTOR ISOLATED FROM PRODUCT LINE - TEST AT PUMP PIT

REFER TO LDT INSTRUCTIONS

III GENERAL PUMP INFORMATION

FLUSH LDT TESTOR
RECORD OPERATING PUMP PRESSURE _____ psig.

IV PRESSURE STEP TEST - SUBMERSIBLE PUMP REMAINS ON THRU-OUT TEST PROCEDURE

WITH BOTTOM SELECTOR IN PRESSURE STEP TEST POSITION ROTATE ISOLATOR FULLY (CC/W)
RECORD TIME IN SECONDS GUAGE NEEDLE REMAINS IN COLORED ZONE _____ SEC.

V 3 GALLON PER HOUR LEAK SIMULATED TEST

WITH BOTTOM SELECTOR IN 3 GPH TEST POSITION

A) MEASURE AND RECORD VOLUME IN CALIBRATED BEAKER FOR 60 SECOND TEST _____ ML

B) PLACE BOTTOM SELECTOR IN DISPENSER NOZZLE POSITION.
FLOW RATE OF APPROX. 11/2-3GAL PER MINUTE WILL BE OBSERVED.
DOES GUAGE NEEDLE MOVE TO LOWER END OF COLORED ZONE YES ____ NO ____
DOES FLOW RATE INCREASE TO APPROX. 1½-3GAL PER MINUTE YES ____ NO ____

C) PLACE BOTTOM SELECTOR IN 3GPH TEST POSITION:
GUAGE RETURN TO COLORED ZONE YES ____ NO ____
GUAGE DOES NOT RETURN TO COLORED ZONE YES ____ NO ____
GAUGE GOES TO OPERATING PRESSURE YES ____ NO ____

LEAK DETECTOR TEST — PASS ____ / FAIL ____

LDT 880 - LEAK DETECTOR CHECKLIST

CONTRACTOR: R.J. MYERS & SONS, INC.	CUSTOMER: TEXACO 6105800005
DATE: 8/23/94 / PRODUCT: PLUS	LOCATION: I-5/GRAPEVINE
TECHNICIAN: ERICH WEINER	LEBEC, CA

I SUBMERSIBLE PUMP IDENTIFICATION

CHECK MFG. INDICATE MODEL NO. IF KNOWN — RECORD SERIAL # 1102208910023

RED JACKET		TOKHEIM	GILBARCO	BENNETT	DRESSER WAYNE	A.O. SMITH	BOWSER KEENE	SOUTH WEST	OTHER
X	3/4								

II LEAK DETECTOR IDENTIFICATION

CHECK TYPE 309915057

RED JACKET MODEL 116-030 PLD-2SEC HEX HEAD		RED JACKET MODEL 116-017 DLD 2SEC HEX HEAD		RED JACKET MODEL 116-011A DLD 5SEC ROUND HEAD		TOKHEIM MODEL 585PM DLD 2SEC SQUARE HEAD		OTHER RJ 116-035	X

PRE-TEST CONDITIONS

VOLUME OF PRODUCT FLUSHED THRU LINE _____ GALLONS

OTHER COMMENTS _____

TEST PROCEDURE

LEAK DETECTOR INSTALLED
TEST AT DISPENSER

III GENERAL LINE AND PUMP INFORMATION

RECORD OPERATING PUMP PRESSURE 29 psig.
AIR-VAPOR TEST WITH PUMP OFF MEASURE AND RECORD 250 ML

IV PRESSURE STEP TEST

WITH BOTTOM SELECTOR IN PRESSURE STEP TEST POSITION TURN ON PUMP
RECORD TIME IN SECONDS GUAGE NEEDLE REMAINS IN COLORED ZONE 2 SEC.

V 3 GALLON PER HOUR LEAK SIMULATED TEST

WITH BOTTOM SELECTOR IN 3 GPH TEST POSITION

A) MEASURE AND RECORD VOLUME IN CALIBRATED BEAKER FOR 60 SECOND TEST 150 ML

B) OPEN DISPENSER NOZZLE OR PLACE BOTTOM SELECTOR IN DISPENSER NOZZLE POSITION.
FLOW RATE OF APPROX. 1 1/2-3GAL PER MINUTE WILL BE OBSERVED.
DOES GUAGE NEEDLE MOVE TO LOWER END OF COLORED ZONE YES X NO ____
DOES FLOW RATE INCREASE TO APPROX. 1 1/2-3GAL PER MINUTE YES X NO ____

C) CLOSE DISPENSER NOZZLE OR PLACE BOTTOM SELECTOR IN 3GPH TEST POSITION:
GUAGE RETURN TO COLORED ZONE YES X NO ____
GUAGE DOES NOT RETURN TO COLORED ZONE YES ____ NO X
GAUGE GOES TO OPERATING PRESSURE YES ____ NO X

LEAK DETECTOR TEST — PASS X / FAIL ____

LEAK DETECTOR ISOLATED
FROM PRODUCT LINE - TEST AT PUMP PIT

REFER TO LDT INSTRUCTIONS

III GENERAL PUMP INFORMATION

FLUSH LDT TESTOR
RECORD OPERATING PUMP PRESSURE _____ psig.

IV PRESSURE STEP TEST - SUBMERSIBLE PUMP REMAINS ON THRU-OUT TEST PROCEDURE

WITH BOTTOM SELECTOR IN PRESSURE STEP TEST POSITION ROTATE ISOLATOR FULLY (CC/W)
RECORD TIME IN SECONDS GUAGE NEEDLE REMAINS IN COLORED ZONE _____ SEC.

V 3 GALLON PER HOUR LEAK SIMULATED TEST

WITH BOTTOM SELECTOR IN 3 GPH TEST POSITION

A) MEASURE AND RECORD VOLUME IN CALIBRATED BEAKER FOR 60 SECOND TEST _____ ML

B) PLACE BOTTOM SELECTOR IN DISPENSER NOZZLE POSITION.
FLOW RATE OF APPROX. 11/2-3GAL PER MINUTE WILL BE OBSERVED.
DOES GUAGE NEEDLE MOVE TO LOWER END OF COLORED ZONE YES ____ NO ____
DOES FLOW RATE INCREASE TO APPROX. 1 1/2-3GAL. PER MINUTE YES ____ NO ____

C) PLACE BOTTOM SELECTOR IN 3GPH TEST POSITION:
GUAGE RETURN TO COLORED ZONE YES ____ NO ____
GUAGE DOES NOT RETURN TO COLORED ZONE YES ____ NO ____
GAUGE GOES TO OPERATING PRESSURE YES ____ NO ____

LEAK DETECTOR TEST — PASS ____ / FAIL ____

TIGHTNESS TESTING REPORTS
EVALUATION FORM

Specialist reviewing the tightness test report: Chris Finberg

Date tightness test reports were submitted: 5/27/93

Date tightness tests were completed: 5/13/93

Facility Permit Number: 330035

Number of Tanks Tested at the site: 0 (list the tanks by their tank numbers if provided) LINES ONLY - 4 pipelines

Was the method a test of the entire tank system, piping alone, or just the facility tanks? (describe) piping alone

Did the facility pass all tests: X Yes _____ No
(if no, provide the leak rate and a description of the tank(s) that failed the test) (failure is > 0.1 gal per hour)

The facility will do the following to investigate the failed test:

N/A

The test method certification that is submitted to the state specifies that each test method be completed in a certain manner. Is there anything within the results which would suggest that the tank test was improperly completed? _____ Yes X No

(describe)

Information has been reviewed and placed within the database: ✓ YES _____ NO

Date entered within the database: JW

DATA CHART

TEXACO#0050 Test date : 5/13/93 100506

1 Location : I-5/GRAPEVINE LEBEC, CA 8053224774

2 Owner : TEXACO, U.S.A. BILL VOLKERT (818) 505-2484
: 10 UNIVERSAL CITY PLAZA UNIVERSAL CITY, CA 91608-7812

3 Operator : STEVE BEAGLEY I-5/GRAPEVINE STEVE BEAGLEY 8053224774
: LEBEC, CA 93243

4 Reason for test : ANNUAL PRODUCT LINES TEST

5 Test requested : FRED LONG ENGINEER
by & address : 10 UNIVERSAL CITY PLAZA UNIVERSAL CITY, CA 91608-7812

RECEIVED MAY 27 1993

6 Special instruction :

7 Contractor : R. J. MYERS & SONS, INC.
Mechanics : JACK BARRY LICENSE #92-1044 EXP. 12/31/95

8 Is a tank test to be made with this line test : NO 9 Make & Type of pump or dispensers : GILBARCO TURBINE REDJACKET

10 Weather : FAIR/CLEAR Temp in tanks : °F ___ °C Cover over lines : CONCRETE
Approx.burial depth : 24

11 Ident.	12 Time	13 Log of test proc.	14 Pressure before	14 Pressure after	15 Volume before	15 Volume after	Net change	16 Test Results Page 1
		Arrive at test site						
1		Bleed Back Check	50				+0.0000	Bleed Back - OK
	1330	Start Line Test		50				Conclusion : line is tight ? > YES
DIESEL	1345		49	50	.0390	.0380	-.0010	
	1400		49	50	.0370	.0360	-.0010	Volume change : -.0030 gph
	1415		49	50	.0350	.0340	-.0010	
	1430		50	50	.0330	.0330	+0.0000	-.0030 gph
2		Bleed Back Check	50				+0.0000	Bleed Back - OK
UNLEADED	1332	Start Line Test		50				Conclusion : line is tight ? > YES
	1347		49	50	.0380	.0370	-.0010	
	1402		49	50	.0360	.0350	-.0010	Volume change : -.0040 gph
	1417		49	50	.0340	.0330	-.0010	
	1432		49	50	.0330	.0320	-.0010	-.0040 gph
3		Bleed Back Check	50				+0.0000	Bleed Back - OK
	1445	Start Line Test		50				Conclusion : line is tight ? > YES
SUPER	1500		49	50	.0420	.0410	-.0010	
	1515		50	50	.0400	.0400	+0.0000	Volume change : -.0010 gph
	1530		50	50	.0390	.0390	+0.0000	
	1545		50	50	.0380	.0380	+0.0000	-.0010 gph

JACK BARRY LICENSE #92-1044 EXP. 12/31/95
5/13/93

11 Ident.	12 Time	13 Log of test proc.	14 Pressure before	14 Pressure after	15 Volume before	15 Volume after	Net change	16 Test Results
		Arrive at test site						
4		Bleed Back Check	50				+0.0000	Bleed Back - OK
	1447	Start Line Test		50				Conclusion : line is tight ? > YES
SPECIAL	1502		49	50	.0410	.0400	-.0010	
	1517		49	50	.0400	.0390	-.0010	Volume change : -.0030 gph
	1532		49	50	.0390	.0380	-.0010	
	1547		50	50	.0380	.0380	+0.0000	-.0030 gph

JACK BARRY LICENSE #92-1044 EXP. 12/31/95
5/13/93

~~330085~~
330035

R. J. Myers & Sons, Inc.

SERVICE STATION CONSTRUCTION / PETRO TITE TANK & LINE TESTING
P.O. BOX 3007
NO. HOLLYWOOD, CA. 91609
213-875-0830 / 818-768-2126
818-768-2127 / 818-768-2128 FAX

RECEIVED
JUN - 3 1993

SUBJECT: ANNUAL ELECTRONIC/MECHANICAL MONITORING SYSTEM INSPECTION AND METER CALIBRATION

DATE: 5/13/93 STATION # 61058000050

ADDRESS: I-5/GRAPEVINE, LEBEC, CA 93243

ATTENTION: FRED LONG

THIS IS TO CERTIFY THAT THE ANNUAL INSPECTION OF THE EXISTING MONITORING SYSTEM WAS PERFORMED AT THE ABOVE REFERENCED FACILITY. THE METHOD USED TO TEST THE ELECTRONIC AND MECHANICAL MONITORING SYSTEMS IS APPROVED BY AND EXCEEDS THE SPECIFICATIONS ACCORDING TO THE MANUFACTURER.

R.J.MYERS & SONS, INC. HAS BEEN CONTRACTED BY TEXACO R & M TO INSURE THAT THEIR FACILITIES COMPLY WITH ALL OF THE RULES AND REGULATIONS THAT GOVERN THE OPERATIONS OF UNDERGROUND STORAGE TANKS AND PRODUCT LINES.

IF YOU HAVE ANY QUESTIONS, PLEASE CALL.

SINCERELY,

R.J.MYERS & SONS, INC.

Ronald J. Myers

RONALD J. MYERS
VICE PRESIDENT

RJM/SS

all o.k.
Received 6/8/93
C Franklin

R. J. Myers & Sons, Inc.

SERVICE STATION CONSTRUCTION / PETRO TITE TANK & LINE TESTING
P.O. BOX 3007
NO. HOLLYWOOD, CA. 91609

213-875-0830 / 818-768-2126
818-768-2127 / 818-768-2128 FAX

TEXACO R & M
10 UNIVERSAL CITY PLAZA
UNIVERSAL CITY, CA 91608

ATTN: FRED LONG

STATION LOCATION: 61058000050

RE: LEAK DETECTION SYSTEM CERTIFICATION

FOR YOUR INFORMATION AND RECORDS, THE LEAK DETECTION SYSTEM AT THE ABOVE REFERENCED SITE WAS CERTIFIED ON 5/13/93 BY R.J.MYERS & SONS, INC. AS INDICATED BELOW.

PRODUCT LINE	TANK TLS-350	WASTE OIL TANK
TYPE REDJACKET LEAD DETECTORS	TYPE ANNULAR SPACE	TYPE TLS-350 ANNULAR SPACE/SUMP
MONITOR	MONITOR	MONITOR
____ NON EXISTING	____ NON EXISTING	____ NON EXISTING
_X_ OPERATIONAL	_X_ OPERATIONAL	_X_ OPERATIONAL
____ NON-OPER.	____ NON-OPER.	____ NON-OPER.

PLEASE FEEL FREE TO CONTACT OUR OFFICE FOR ANY QUESTIONS YOU MAY HAVE REGARDING YOUR LEAK DETECTION EQUIPMENT.

SINCERELY,

Ronald J. Myers

RONALD J. MYERS
VICE PRESIDENT

RJM/SS

VAPOR SENSOR SETUP
- - - - - - - - - - - - - - -

NONE

EXTERNAL INPUT SETUP
- - - - - - - - - - - - - - -

NONE

OUTPUT RELAY SETUP
- - - - - - - - - - - - - - -

R 1:UNL-SUMP
IN-TANK ALARMS
 T 1:LOW LIMIT ALARM
LIQUID SENSOR
 L15:LIQUID ALARM
 L16:LIQUID ALARM
 L15:OPEN ALARM
 L16:OPEN ALARM

R 2:SUPER-ULN-SUMP
IN-TANK ALARMS
 T 2:LOW LIMIT ALARM
LIQUID SENSOR
 L 8:LIQUID ALARM
 L 8:OPEN ALARM

R 3:ULPLUS-SUMP
IN-TANK ALARMS
 T 4:LOW LIMIT ALARM
LIQUID SENSOR
 L 7:LIQUID ALARM
 L 7:OPEN ALARM

R 4:DIESEL-SUMP
IN-TANK ALARMS
 T 5:LOW LIMIT ALARM
LIQUID SENSOR
 L 6:LIQUID ALARM
 L 6:OPEN ALARM

LIQUID SENSOR SETUP
- - - - - - - - - - - - - - -

L 1:UNL FILL
VEEDER - ROOT

L 2:UNL SIP FILL
VEEDER - ROOT

L 3:SUP FILL
VEEDER - ROOT

L 4:UL PLUS FILL
VEEDER - ROOT

L 5:DIESEL FILL
VEEDER - ROOT

L 6:DIESEL SUMP
VEEDER - ROOT

L 7:ULPLUS SUMP
VEEDER - ROOT

L 8:SUP SUMP
VEEDER - ROOT

L 9:UNL ANULAR
VEEDER - ROOT

L10:SUP ANULAR
VEEDER - ROOT

L11:UNL SIP ANULAR
VEEDER - ROOT

L12:UL PLUS ANULAR
VEEDER - ROOT

L13:DIESEL ANULAR
VEEDER - ROOT

L14:LINER SUMP
VEEDER - ROOT

L15:UNL SUMP
VEEDER - ROOT

L16:UNL SIP SUMP
VEEDER - ROOT

L17:WASTEOIL SUMP
VEEDER - ROOT

L18:WASTEOIL ANULAR
VEEDER - ROOT

R. J. Myers & Sons, Inc.

SERVICE STATION CONSTRUCTION / PETRO TITE TANK & LINE TESTING
P.O. BOX 3007
NO. HOLLYWOOD, CA. 91609

213-875-0830 / 818-768-2126
818-768-2127 / 818-768-2128 FAX

DATE OF SERVICE 5/13/93 STATION #~~6105800050~~ W.O.#~~11087~~10-010

TECHNICIAN: MOSER SERVICE REQUESTED BY: FRED LONG

PROBE I.D. NUMBERS:

BILL TO: TEXACO R & M
10 UNIVERSAL CITY PLAZA
UNIVERSAL CITY, CA

SERVICE REQUESTED: ANNUAL MONITOR CERTIFICATIONS

DESCRIPTION OF WORK: TEST SUMP, ANNULAR AND LINER PROBES. TEST MECHANICAL LEAK DETECTORS. CALIBRATE DISPENSERS. CHANGE FILTER PETRO TITE PRODUCT LINES.

MODEL# VR-350 SERIAL# 1081397780500

SYSTEM CERTIFIED		SYSTEM PSD		SYSTEM RUNNING	
(YES)	NO	(YES)	NO	(YES)	NO

WASTE OIL		SYSTEM SEALED	
(YES)	NO	(YES)	NO

RECEIVED ALARM CALL AT:

LEFT FOR JOB SITE:

ARRIVED AT JOB SITE:

LEFT JOB SITE:

RETURNED TO BASE:

R. J. Myers & Sons, Inc.

SERVICE STATION CONSTRUCTION / PETRO TITE TANK & LINE TESTING
P.O. BOX 3007
NO. HOLLYWOOD, CA. 91609

213-875-0830 / 818-768-2126
818-768-2127 / 818-768-2128 FAX

DATE OF SERVICE 5/13/93 STATION #610580000050 W.O.# 1109710-010

TECHNICIAN: MOSER SERVICE REQUESTED BY: FRED LONG

BILL TO: TEXACO R & M
10 UNIVERSAL CITY PLAZA
UNIVERSAL CITY, CA

PROBE I.D. NUMBERS:
UNLEADED
UNLEADED SIPHON
SUPER
PLUS
DIESEL
WASTE OIL

SERVICE REQUESTED: ANNUAL MONITOR CERTIFICATION

DESCRIPTION OF WORK: STICK TANKS AND COMPARE READINGS WITH TLS-350. ALL SYSTEMS WITHIN CALIBRATION

MODEL# RE-350 SERIAL# SAME

SYSTEM CERTIFIED	SYSTEM PSD	SYSTEM RUNNING
(YES) NO	YES (N/A) NO	(YES) NO

WASTE OIL	SYSTEM SEALED
(YES) NO	(YES) NO

RECEIVED ALARM CALL AT: _____

LEFT FOR JOB SITE: _____

ARRIVED AT JOB SITE: _____

LEFT JOB SITE: _____

RETURNED TO BASE: _____

TANK EQUIPMENT SURVEY FORM

SS#: 6105000050
ADDRESS: I-5/GRAPEVINE
CITY/STATE: LEBEC
COUNTY: KERN

ENGR/ANALYST: FRED LONG
OFFICE:
TELEPHONE:
SUPERVISOR:

TANK INFORMATION:

	TANK 1	TANK 2	TANK 3	TANK 4	TANK 5	
SIZE:	10000	12000	10000	12000	10000	550
PRODUCT:	U/L	UL/SIPHON	SUPER	PLUS	DIESEL	W/O
STEEL/FIBERGLASS:	F/G	F/G	F/G	F/G	F/G	F/G
SINGLE/DOUBLEWALL:	D/W	D/W	D/W	D/W	D/W	D/W
INSTALLATION DATE:						
TANK TEST DATE:						
LINE TEST DATE:	5/13/93	5/13/93	5/13/93	5/13/93	5/13/93	
TANKS SIPHONED:	YES	YES	0	0	0	0

PRODUCT LINE INFORMATION:

LINE STRUCTURE: F/G STEEL/FIBERGLASS
SINGLE SINGLE/DOUBLEWALL
SECONDARY CONTAINMENT: TRENCHLINER FIBERTRENCH, LINER, or OTHER

OTHER INFORMATION:

SUBMERSIBLE PUMP MANUFACTURER : REDJACKET 3/4 H.P.
LEAK DETECTOR MANUFACTURER : VRTLS-350
TANK LEAK DETECTION MANUFACTURER: TLS-350 ANNULARS
LINE LEAK DETECTION MANUFACTURER: TLS-350 RJ LEAK DETECTOR PCD

OVERFILL PROTECTION:	YES	YES or NO
IF BALL FLOAT :	90	90%(16") or 95%(6")
SPILL CONTAINMENT BOX :	YES	YES or NO
SIZE :	5	(5) or (15) GALLONS
AUTOMATIC TANK GAUGING:	YES	YES or NO
TYPE :	TLS-350	VEEDEROOT, ETC....

VAPOR RECOVERY: STAGE I : COAX COAX, DUAL POINT or SINGLE PICK UP PER TANK
STAGE II: YES YES or NO

MONITORING WELLS:

MONITORING WELLS: NO YES or NO 0 NO. OF WELLS
VADOSE or GROUNDWATER
PROBES IN WELLS : YES or NO
TYPE OF PROBES
WELLS LOCKED AND COLOR CODED: YES or NO

ATTACH ALL TANK TEST RESULTS, TANK RELATED PERMITS AND START UP VERIFICATION FORMS FROM MONITORING SYSTEMS.

Environmental Awareness

R. J. MYERS & SONS, INC.
P.O. BOX 3007
NO. HOLLYWOOD, CA 91609

213-875-0830
818-768-2126

Annual Environmental Facility Inspection

Address	Inspector	Date	Fac. #
I-5/GRAPEVINE	MOSER	5/13/93	610580000

I Dispenser/Pump	Leak	No leak	Repaired	Y/N	III Leak Detectors	Leak	No leak	Repaired	Y/N
Piping		X			Housing		X		
Check Valve		X			Test				Y
Hoses		X			Sealed (Y/N)				Y
Nozzles		X			Proper Clearance to Lid				Y
Fittings					**IV Compliance Monitoring Wells**				
Impact Valve Operational (Y/N)				Y	Caps Secured & Locked (Y/N)				
Filter Warning Signs (Y/N)				Y	Box Covers Fit Properly (Y/N)				
II Tanks					**V Visual Premises Check**				
Piping					Electronic Tank Monitors Operational (Y/N)				
Fills Tagged (Y/N)				Y	Emergency Pump Shut Off Switch Operational (Y/N)				
Fill Boxes Free of Dirt, Debris, Water (Y/N)				Y	**Check for Evidence of Spills:**				
Fill Box Drain Valve, Operational (if present) (Y/N)				Y	Low Spots Around Facility Property		NONE		
Vapor Recovery Fittings					Landscaped Area		OK		
Submerged Pumps					Nearby Ditches, Creeks, Etc.		NONE		
Turbine Relays Operational (Y/N)				Y	**VI Dealer/Franchisee – Ask If**				
Fill Drop Tubes					Any leaks reported within past year (Y/N)				
Top of 45° Taper <6" fr Tank Bottom (Y/N)				Y	Any spills reported within past year (Y/N)				

Comments

Inspector's Signature Scott Moser

APPC-248-C (6-90)

LDT 880 - LEAK DETECTOR CHECKLIST

LOCATION

CONTRACTOR: R.J. MYERS & SONS, INC.	CUSTOMER: TEXACO 61058000080
DATE: 5/13/93 / PRODUCT: DIESEL	LOCATION: I-5/GRAPEVINE
TECHNICIAN: MOSER	LEBEC, CA 93243

I SUBMERSIBLE PUMP IDENTIFICATION

CHECK MFG.
INDICATE MODEL NO. IF KNOWN

RECORD SERIAL # NOT VISIBLE

RED JACKET	TOKHEIM	GILBARCO	BENNETT	DRESSER WAYNE	A.O. SMITH	BOWSER KEENE	SOUTH WEST	OTHER
X								

II LEAK DETECTOR IDENTIFICATION

CHECK TYPE 3/9/91 5055

RED JACKET MODEL 116-030 PLD-2SEC HEX HEAD	X	RED JACKET MODEL 116-017 DLD 2SEC HEX HEAD		RED JACKET MODEL 116-011A DLD 5SEC ROUND HEAD		TOKHEIM MODEL 585PM DLD 2SEC SQUARE HEAD		OTHER	

PRE-TEST CONDITIONS
VOLUME OF PRODUCT FLUSHED THRU LINE _____ GALLONS

OTHER COMMENTS _____

TEST PROCEDURE

LEAK DETECTOR INSTALLED
TEST AT DISPENSER

III GENERAL LINE AND PUMP INFORMATION

RECORD OPERATING PUMP PRESSURE 24 psig.
AIR-VAPOR TEST WITH PUMP OFF MEASURE AND RECORD _____ ML

IV PRESSURE STEP TEST

WITH BOTTOM SELECTOR IN PRESSURE STEP TEST POSITION TURN ON PUMP
RECORD TIME IN SECONDS GUAGE NEEDLE REMAINS IN COLORED ZONE 2 SEC.

V 3 GALLON PER HOUR LEAK SIMULATED TEST

WITH BOTTOM SELECTOR IN 3 GPH TEST POSITION
A) MEASURE AND RECORD VOLUME IN CALIBRATED BEAKER FOR 60 SECOND TEST 200 ML
B) OPEN DISPENSER NOZZLE OR PLACE BOTTOM SELECTOR IN DISPENSER NOZZLE POSITION. FLOW RATE OF APPROX. 1½-3GAL PER MINUTE WILL BE OBSERVED.
DOES GUAGE NEEDLE MOVE TO LOWER END OF COLORED ZONE YES X NO ____
DOES FLOW RATE INCREASE TO APPROX. 1½-3GAL PER MINUTE YES X NO ____
C) CLOSE DISPENSER NOZZLE OR PLACE BOTTOM SELECTOR IN 3GPH TEST POSITION:
GUAGE RETURN TO COLORED ZONE YES X NO ____
GUAGE DOES NOT RETURN TO COLORED ZONE YES ____ NO X
GAUGE GOES TO OPERATING PRESSURE YES ____ NO X

LEAK DETECTOR TEST PASS X / FAIL ____

LEAK DETECTOR ISOLATED
FROM PRODUCT LINE - TEST AT PUMP PIT

REFER TO LDT INSTRUCTIONS

III GENERAL PUMP INFORMATION

FLUSH LDT TESTOR
RECORD OPERATING PUMP PRESSURE _____ psig.

IV PRESSURE STEP TEST - SUBMERSIBLE PUMP REMAINS ON THRU-OUT TEST PROCEDURE

WITH BOTTOM SELECTOR IN PRESSURE STEP TEST POSITION ROTATE ISOLATOR FULLY (CC/W)
RECORD TIME IN SECONDS GUAGE NEEDLE REMAINS IN COLORED ZONE _____ SEC.

V 3 GALLON PER HOUR LEAK SIMULATED TEST

WITH BOTTOM SELECTOR IN 3 GPH TEST POSITION
A) MEASURE AND RECORD VOLUME IN CALIBRATED BEAKER FOR 60 SECOND TEST _____ ML
B) PLACE BOTTOM SELECTOR IN DISPENSER NOZZLE POSITION. FLOW RATE OF APPROX. 11/2-3GAL PER MINUTE WILL BE OBSERVED.
DOES GUAGE NEEDLE MOVE TO LOWER END OF COLORED ZONE YES ____ NO ____
DOES FLOW RATE INCREASE TO APPROX. 1½-3GAL PER MINUTE YES ____ NO ____
C) PLACE BOTTOM SELECTOR IN 3GPH TEST POSITION:
GUAGE RETURN TO COLORED ZONE YES ____ NO ____
GUAGE DOES NOT RETURN TO COLORED ZONE YES ____ NO ____
GAUGE GOES TO OPERATING PRESSURE YES ____ NO ____

LEAK DETECTOR TEST PASS ____ / FAIL ____

PURPORA-VAPORLESS FORM 880A ©

LDT 880 - LEAK DETECTOR CHECKLIST

LOCATION

CONTRACTOR: R.J. MYERS & SONS, INC.	CUSTOMER: TEXACO 61058000050
DATE: 5/13/93	PRODUCT: SUPER
TECHNICIAN: MOSER	LOCATION: I-5/GRAPEVINE LEBEC, CA 93243

I SUBMERSIBLE PUMP IDENTIFICATION

CHECK MFG. INDICATE MODEL NO. IF KNOWN — RECORD SERIAL # 10071284-7194

RED JACKET	TOKHEIM	GILBARCO	BENNETT	DRESSER WAYNE	A.O. SMITH	BOWSER KEENE	SOUTH WEST	OTHER
X								

II LEAK DETECTOR IDENTIFICATION

CHECK TYPE — 3/1/91 8811

RED JACKET MODEL 116-030 PLD-2SEC HEX HEAD	X	RED JACKET MODEL 116-017 DLD 2SEC HEX HEAD		RED JACKET MODEL 116-011A DLD 5SEC ROUND HEAD		TOKHEIM MODEL 585PM DLD 2SEC SQUARE HEAD		OTHER	

PRE-TEST CONDITIONS

VOLUME OF PRODUCT FLUSHED THRU LINE _____ GALLONS

OTHER COMMENTS _____

TEST PROCEDURE

LEAK DETECTOR INSTALLED TEST AT DISPENSER

III GENERAL LINE AND PUMP INFORMATION

RECORD OPERATING PUMP PRESSURE 24 psig.
AIR-VAPOR TEST WITH PUMP OFF MEASURE AND RECORD _____ ML

IV PRESSURE STEP TEST

WITH BOTTOM SELECTOR IN PRESSURE STEP TEST POSITION TURN ON PUMP
RECORD TIME IN SECONDS GUAGE NEEDLE REMAINS IN COLORED ZONE 2 SEC.

V 3 GALLON PER HOUR LEAK SIMULATED TEST

WITH BOTTOM SELECTOR IN 3 GPH TEST POSITION

A) MEASURE AND RECORD VOLUME IN CALIBRATED BEAKER FOR 60 SECOND TEST 220 ML

B) OPEN DISPENSER NOZZLE OR PLACE BOTTOM SELECTOR IN DISPENSER NOZZLE POSITION. FLOW RATE OF APPROX. 1½-3GAL PER MINUTE WILL BE OBSERVED.
DOES GUAGE NEEDLE MOVE TO LOWER END OF COLORED ZONE YES X NO ____
DOES FLOW RATE INCREASE TO APPROX. 1½-3GAL PER MINUTE YES X NO ____

C) CLOSE DISPENSER NOZZLE OR PLACE BOTTOM SELECTOR IN 3GPH TEST POSITION:
GUAGE RETURN TO COLORED ZONE YES X NO ____
GUAGE DOES NOT RETURN TO COLORED ZONE YES ____ NO X
GAUGE GOES TO OPERATING PRESSURE YES ____ NO X

LEAK DETECTOR TEST — PASS X / FAIL ____

LEAK DETECTOR ISOLATED FROM PRODUCT LINE - TEST AT PUMP PIT

REFER TO LDT INSTRUCTIONS

III GENERAL PUMP INFORMATION

FLUSH LDT TESTOR
RECORD OPERATING PUMP PRESSURE _____ psig.

IV PRESSURE STEP TEST - SUBMERSIBLE PUMP REMAINS ON THRU-OUT TEST PROCEDURE

WITH BOTTOM SELECTOR IN PRESSURE STEP TEST POSITION ROTATE ISOLATOR FULLY (CC/W)
RECORD TIME IN SECONDS GUAGE NEEDLE REMAINS IN COLORED ZONE _____ SEC.

V 3 GALLON PER HOUR LEAK SIMULATED TEST

WITH BOTTOM SELECTOR IN 3 GPH TEST POSITION

A) MEASURE AND RECORD VOLUME IN CALIBRATED BEAKER FOR 60 SECOND TEST _____ ML

B) PLACE BOTTOM SELECTOR IN DISPENSER NOZZLE POSITION. FLOW RATE OF APPROX. 11/2-3GAL PER MINUTE WILL BE OBSERVED.
DOES GUAGE NEEDLE MOVE TO LOWER END OF COLORED ZONE YES ____ NO ____
DOES FLOW RATE INCREASE TO APPROX. 1½-3GAL PER MINUTE YES ____ NO ____

C) PLACE BOTTOM SELECTOR IN 3GPH TEST POSITION:
GUAGE RETURN TO COLORED ZONE YES ____ NO ____
GUAGE DOES NOT RETURN TO COLORED ZONE YES ____ NO ____
GAUGE GOES TO OPERATING PRESSURE YES ____ NO ____

LEAK DETECTOR TEST — PASS ____ / FAIL ____

LDT 880 - LEAK DETECTOR CHECKLIST

LOCATION

CONTRACTOR: R.J. MYERS & SONS, INC.	CUSTOMER: TEXACO 61058000050
DATE: 5/13/93 / PRODUCT: UNLEADED	LOCATION: I-5/GRAPEVINE LEBEC, CA 93243
TECHNICIAN: MOSER	

I SUBMERSIBLE PUMP IDENTIFICATION

CHECK MFG. INDICATE MODEL NO. IF KNOWN — RECORD SERIAL # NO TAG

RED JACKET	TOKHEIM	GILBARCO	BENNETT	DRESSER WAYNE	A.O. SMITH	BOWSER KEENE	SOUTH WEST	OTHER
X								

II LEAK DETECTOR IDENTIFICATION

CHECK TYPE — 3/9/91 5056

RED JACKET MODEL 116-030 PLD-2SEC HEX HEAD	X	RED JACKET MODEL 116-017 DLD 2SEC HEX HEAD		RED JACKET MODEL 116-011A DLD 5SEC ROUND HEAD		TOKHEIM MODEL 585PM DLD 2SEC SQUARE HEAD		OTHER	

PRE-TEST CONDITIONS

VOLUME OF PRODUCT FLUSHED THRU LINE _____ GALLONS

OTHER COMMENTS _____

TEST PROCEDURE

LEAK DETECTOR INSTALLED TEST AT DISPENSER

III GENERAL LINE AND PUMP INFORMATION

RECORD OPERATING PUMP PRESSURE 25 psig.
AIR-VAPOR TEST WITH PUMP OFF MEASURE AND RECORD _____ ML

IV PRESSURE STEP TEST

WITH BOTTOM SELECTOR IN PRESSURE STEP TEST POSITION TURN ON PUMP
RECORD TIME IN SECONDS GUAGE NEEDLE REMAINS IN COLORED ZONE 2 SEC.

V 3 GALLON PER HOUR LEAK SIMULATED TEST

WITH BOTTOM SELECTOR IN 3 GPH TEST POSITION

A) MEASURE AND RECORD VOLUME IN CALIBRATED BEAKER FOR 60 SECOND TEST 240 ML

B) OPEN DISPENSER NOZZLE OR PLACE BOTTOM SELECTOR IN DISPENSER NOZZLE POSITION. FLOW RATE OF APPROX. 1½-3GAL PER MINUTE WILL BE OBSERVED.
DOES GUAGE NEEDLE MOVE TO LOWER END OF COLORED ZONE YES X NO ____
DOES FLOW RATE INCREASE TO APPROX. 1½-3GAL PER MINUTE YES X NO ____

C) CLOSE DISPENSER NOZZLE OR PLACE BOTTOM SELECTOR IN 3GPH TEST POSITION:
GUAGE RETURN TO COLORED ZONE YES X NO ____
GUAGE DOES NOT RETURN TO COLORED ZONE YES ____ NO X
GAUGE GOES TO OPERATING PRESSURE YES ____ NO X

LEAK DETECTOR TEST — PASS X / FAIL ____

LEAK DETECTOR ISOLATED FROM PRODUCT LINE - TEST AT PUMP PIT

REFER TO LDT INSTRUCTIONS

III GENERAL PUMP INFORMATION

FLUSH LDT TESTOR
RECORD OPERATING PUMP PRESSURE _____ psig.

IV PRESSURE STEP TEST - SUBMERSIBLE PUMP REMAINS ON THRU-OUT TEST PROCEDURE

WITH BOTTOM SELECTOR IN PRESSURE STEP TEST POSITION ROTATE ISOLATOR FULLY (CC/W)
RECORD TIME IN SECONDS GUAGE NEEDLE REMAINS IN COLORED ZONE _____ SEC.

V 3 GALLON PER HOUR LEAK SIMULATED TEST

WITH BOTTOM SELECTOR IN 3 GPH TEST POSITION

A) MEASURE AND RECORD VOLUME IN CALIBRATED BEAKER FOR 60 SECOND TEST _____ ML

B) PLACE BOTTOM SELECTOR IN DISPENSER NOZZLE POSITION. FLOW RATE OF APPROX. 1½-3GAL PER MINUTE WILL BE OBSERVED.
DOES GUAGE NEEDLE MOVE TO LOWER END OF COLORED ZONE YES ____ NO ____
DOES FLOW RATE INCREASE TO APPROX. 1½-3GAL PER MINUTE YES ____ NO ____

C) PLACE BOTTOM SELECTOR IN 3GPH TEST POSITION:
GUAGE RETURN TO COLORED ZONE YES ____ NO ____
GUAGE DOES NOT RETURN TO COLORED ZONE YES ____ NO ____
GAUGE GOES TO OPERATING PRESSURE YES ____ NO ____

LEAK DETECTOR TEST — PASS ____ / FAIL ____

LDT 880 - LEAK DETECTOR CHECKLIST

LOCATION

CONTRACTOR: R.J. MYERS & SONS, INC.	CUSTOMER: TEXACO 61058000050
DATE: 5/13/93	PRODUCT: PLUS
TECHNICIAN: MOSER	LOCATION: I-5/GRAPEVINE LEBEC, CA 93243

I SUBMERSIBLE PUMP IDENTIFICATION

CHECK MFG.
INDICATE MODEL NO. IF KNOWN

RECORD SERIAL # 11012691 0088

RED JACKET	TOKHEIM	GILBARCO	BENNETT	DRESSER WAYNE	A.O. SMITH	BOWSER KEENE	SOUTH WEST	OTHER
X								

II LEAK DETECTOR IDENTIFICATION

CHECK TYPE 3/9/91 5057

RED JACKET MODEL 116-030 PLD-2SEC HEX HEAD	RED JACKET MODEL 116-017 DLD 2SEC HEX HEAD	RED JACKET MODEL 116-011A DLD 5SEC ROUND HEAD	TOKHEIM MODEL 585PM DLD 2SEC SQUARE HEAD	OTHER
X				

PRE-TEST CONDITIONS
VOLUME OF PRODUCT FLUSHED THRU LINE _____ GALLONS

OTHER COMMENTS _____

TEST PROCEDURE

LEAK DETECTOR INSTALLED TEST AT DISPENSER

III GENERAL LINE AND PUMP INFORMATION

RECORD OPERATING PUMP PRESSURE 25 psig.
AIR-VAPOR TEST WITH PUMP OFF MEASURE AND RECORD _____ ML

IV PRESSURE STEP TEST

WITH BOTTOM SELECTOR IN PRESSURE STEP TEST POSITION TURN ON PUMP
RECORD TIME IN SECONDS GUAGE NEEDLE REMAINS IN COLORED ZONE 2 SEC.

V 3 GALLON PER HOUR LEAK SIMULATED TEST

WITH BOTTOM SELECTOR IN 3 GPH TEST POSITION
A) MEASURE AND RECORD VOLUME IN CALIBRATED BEAKER FOR 60 SECOND TEST 240 ML
B) OPEN DISPENSER NOZZLE OR PLACE BOTTOM SELECTOR IN DISPENSER NOZZLE POSITION.
FLOW RATE OF APPROX. 1½-3GAL PER MINUTE WILL BE OBSERVED.
DOES GUAGE NEEDLE MOVE TO LOWER END OF COLORED ZONE YES X NO ____
DOES FLOW RATE INCREASE TO APPROX. 1½-3GAL PER MINUTE YES X NO ____
C) CLOSE DISPENSER NOZZLE OR PLACE BOTTOM SELECTOR IN 3GPH TEST POSITION:
GUAGE RETURN TO COLORED ZONE YES X NO ____
GUAGE DOES NOT RETURN TO COLORED ZONE YES ____ NO X
GAUGE GOES TO OPERATING PRESSURE YES ____ NO X

LEAK DETECTOR TEST PASS X FAIL ____

LEAK DETECTOR ISOLATED FROM PRODUCT LINE - TEST AT PUMP PIT

REFER TO LDT INSTRUCTIONS

III GENERAL PUMP INFORMATION

FLUSH LDT TESTOR
RECORD OPERATING PUMP PRESSURE _____ psig.

IV PRESSURE STEP TEST - SUBMERSIBLE PUMP REMAINS ON THRU-OUT TEST PROCEDURE

WITH BOTTOM SELECTOR IN PRESSURE STEP TEST POSITION ROTATE ISOLATOR FULLY (CC/W)
RECORD TIME IN SECONDS GUAGE NEEDLE REMAINS IN COLORED ZONE _____ SEC.

V 3 GALLON PER HOUR LEAK SIMULATED TEST

WITH BOTTOM SELECTOR IN 3 GPH TEST POSITION
A) MEASURE AND RECORD VOLUME IN CALIBRATED BEAKER FOR 60 SECOND TEST _____ ML
B) PLACE BOTTOM SELECTOR IN DISPENSER NOZZLE POSITION.
FLOW RATE OF APPROX. 11/2-3GAL PER MINUTE WILL BE OBSERVED.
DOES GUAGE NEEDLE MOVE TO LOWER END OF COLORED ZONE YES ____ NO ____
DOES FLOW RATE INCREASE TO APPROX. 1½-3GAL PER MINUTE YES ____ NO ____
C) PLACE BOTTOM SELECTOR IN 3GPH TEST POSITION:
GUAGE RETURN TO COLORED ZONE YES ____ NO ____
GUAGE DOES NOT RETURN TO COLORED ZONE YES ____ NO ____
GAUGE GOES TO OPERATING PRESSURE YES ____ NO ____

LEAK DETECTOR TEST PASS ____ FAIL ____

PURPORA-VAPORLESS FORM 880A ©

Type of Report: (Please circle one) Equipment Transfer, Product Transfer, Pump Test, No.
Intercompany Data Form Repair, Station Audit, Station Opening, Station Sold, Product Changes, Station Closing.

Location Name TEXACO Location No. 61058000050 Date 5/13/93
Address I-5/GRAPEVINE City LEBEC State CA
Failure Reported
P.O. AFE No. Service call made Time arrived am/pm
Marketing Rep. Rep. No. Time Comp. am/pm
In addition to correcting the problem reported, please perform the following: Repair Time
Stick all tanks with water finding paste. Read all pump totalizers. Travel Time
Record data below including product type and pump no. where necessary.

	TYPE UNLEAD No. 1		TYPE SUPER No. 1		TYPE PLUS No. 1	
Meter Readings	Gallons	Dollars	Gallons	Dollars	Gallons	Dollars
After	25248		28991		25740	
Before	25243		28986		25735	
TOTALS						
Calibr. Beg. +/-	-0		+1		-1	
Cor. After +/-						
	TYPE DIESEL No. 1		TYPE UNLEAD No. 2		TYPE SUPER No. 2	
Meter Readings	Gallons	Dollars	Gallons	Dollars	Gallons	Dollars
After	18194		14312		24480	
Before	18189		14307		24475	
TOTALS						
Calibr. Beg. +/-	-2		-1		+1	
Cor. After +/-						
	TYPE PLUS No. 2		TYPE DIESEL No. 2		TYPE UNLEAD No. 3	
Meter Readings	Gallons	Dollars	Gallons	Dollars	Gallons	Dollars
After	23333		17485		00601	
Before	23328		17480		00596	
TOTALS						
Calibr. Beg. +/-	00		+1		+1	
Cor. After +/-						
	TYPE SUPER No. 3		TYPE PLUS No. 3		TYPE DIESEL No. 3	
Meter Readings	Gallons	Dollars	Gallons	Dollars	Gallons	Dollars
After	34522		33088		17124	
Before	34517		33083		17119	
TOTALS						
Calibr. Beg. +/-	00		00		-1	
Cor. After +/-						
Product	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE
Stick Readings Inches Water						
Product	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE
Stick Readings Inches Water						

Type of Report: (Please circle one) Equipment Transfer, Product Transfer, Pump Test, **No.**
Intercompany Data Form Repair, Station Audit, Station Opening, Station Sold, Product Changes. Station Closing.

Location Name TEXACO Location No. 61058000050 Date 5/13/93
Address I-5/GRAPEVINE City LEBEC State CA
Failure Reported
P.O. AFE No. Service call made Time arrived am/pm
Marketing Rep. Rep. No. Time Comp. am/pm
In addition to correcting the problem reported, please perform the following: Repair Time
Stick all tanks with water finding paste. Read all pump totalizers. Travel Time
Record data below including product type and pump no. where necessary.

	TYPE UNLEAD	No. 4	TYPE SUPER	No. 4	TYPE PLUS	No. 4
Meter Readings	Gallons	Dollars	Gallons	Dollars	Gallons	Dollars
After	65294		20287		22340	
Before	65289		20282		22335	
TOTALS						
Calibr. Beg. +/-						
Cor. After +/-	-1		00		00	
	TYPE DIESEL	No. 4	TYPE UNLEAD	No. 5	TYPE SUPER	No. 5
Meter Readings	Gallons	Dollars	Gallons	Dollars	Gallons	Dollars
After	29749		08368		35581	
Before	29744		08363		35576	
TOTALS						
Calibr. Beg. +/-	+1		+2		00	
Cor. After +/-						
	TYPE PLUS	No. 5	TYPE DIESEL	No. 5	TYPE UNLEAD	No. 6
Meter Readings	Gallons	Dollars	Gallons	Dollars	Gallons	Dollars
After	22302		11559		12890	
Before	22297		11554		12885	
TOTALS						
Calibr. Beg. +/-	-1		-1		00	
Cor. After +/-						
	TYPE SUPER	No. 6	TYPE PLUS	No. 6	TYPE DIESEL	No. 6
Meter Readings	Gallons	Dollars	Gallons	Dollars	Gallons	Dollars
After	77649		53143		13573	
Before	77644		53138		13568	
TOTALS						
Calibr. Beg. +/-	00		00		-1	
Cor. After +/-						
Product	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE
Stick Readings Inches Water						
Product	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE
Stick Readings Inches Water						

Type of Report: (Please circle one) Equipment Transfer, Product Transfer, Pump Test, Intercompany Data Form Repair, Station Audit, Station Opening, Station Sold, Product Changes, Station Closing.

No.

Location Name TEXACO Location No. 61058000050 Date 5/13/93
Address I-5/GRAPEVINE City LEBEC State CA
Failure Reported
P.O. AFE No. Service call made Time arrived am/pm
Marketing Rep. Rep. No. Time Comp. am/pm
In addition to correcting the problem reported, please perform the following: Repair Time
Stick all tanks with water finding paste. Read all pump totalizers. Travel Time
Record data below including product type and pump no. where necessary.

	TYPE UNLEAD No. 7		TYPE SUPER No. 7		TYPE PLUS No. 7	
Meter Readings	Gallons	Dollars	Gallons	Dollars	Gallons	Dollars
After	55213		09859		53838	
Before	55208		09854		53833	
TOTALS						
Calibr. Beg. +/-	00		+1		00	
Cor. After +/-						
	TYPE DIESEL No. 7		TYPE UNLEAD No. 8		TYPE SUPER No. 8	
Meter Readings	Gallons	Dollars	Gallons	Dollars	Gallons	Dollars
After	11109		37960		37097	
Before	11104		37955		37092	
TOTALS						
Calibr. Beg. +/-	-1		-2		+1	
Cor. After +/-						
	TYPE PLUS No. 8		TYPE DIESEL No. 8		TYPE UNLEAD No. 9	
Meter Readings	Gallons	Dollars	Gallons	Dollars	Gallons	Dollars
After	70192		12959		50300	
Before	70187		12954		50295	
TOTALS						
Calibr. Beg. +/-	+1		+1		00	
Cor. After +/-						
	TYPE SUPER No. 9		TYPE PLUS No. 9		TYPE DIESEL No. 9	
Meter Readings	Gallons	Dollars	Gallons	Dollars	Gallons	Dollars
After	52413		64302		11070	
Before	52408		64297		11065	
TOTALS						
Calibr. Beg. +/-	-1		-1		00	
Cor. After +/-						
Product	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE
Stick Readings Inches Water						
Product	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE
Stick Readings Inches Water						

Type of Report: (Please circle one) Equipment Transfer, Product Transfer, Pump Test, Intercompany Data Form Repair, Station Audit, Station Opening, Station Sold, Product Changes, Station Closing.

No.

Location Name TEXACO Location No. 61058000050 Date 5/13/93
Address I-5/GRAPEVINE City LEBEC State CA
Failure Reported
P.O. AFE No. Service call made Time arrived am/pm
Marketing Rep. Rep. No. Time Comp. am/pm
In addition to correcting the problem reported, please perform the following: Repair Time
Stick all tanks with water finding paste. Read all pump totalizers. Travel Time
Record data below including product type and pump no. where necessary.

	TYPE UNLEAD	No. 10	TYPE SUPER	No. 10	TYPE PLUS	No. 10
Meter Readings	Gallons	Dollars	Gallons	Dollars	Gallons	Dollars
After	14355		63993		63212	
Before	14350		63988		63207	
TOTALS						
Calibr. Beg. +/-	+1		00		00	
Cor. After +/-						

	TYPE DIESEL	No. 10	TYPE UNLEAD	No. 11	TYPE SUPER	No. 11
Meter Readings	Gallons	Dollars	Gallons	Dollars	Gallons	Dollars
After	19665		64347		64480	
Before	19660		64342		64475	
TOTALS						
Calibr. Beg. +/-	-2		-1		+1	
Cor. After +/-						

	TYPE PLUS	No. 11	TYPE DIESEL	No. 11	TYPE UNLEAD	No. 12
Meter Readings	Gallons	Dollars	Gallons	Dollars	Gallons	Dollars
After	56231		21269		15556	
Before	56226		21264		15551	
TOTALS						
Calibr. Beg. +/-	00		+1		+1	
Cor. After +/-						

	TYPE SUPER	No. 12	TYPE PLUS	No. 12	TYPE DIESEL	No. 12
Meter Readings	Gallons	Dollars	Gallons	Dollars	Gallons	Dollars
After	15735		64556		20678	
Before	15730		64551		20673	
TOTALS						
Calibr. Beg. +/-	-1		-1		00	
Cor. After +/-						

Product	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE
Stick Readings Inches Water						

Product	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE
Stick Readings Inches Water						

TIGHTNESS TESTING REPORTS EVALUATION FORM

Specialist reviewing the tightness test report: Chris Finberg

Date tightness test reports were submitted: 10/26/92

Date tightness tests were completed: 10/13/92

Facility Permit Number: 330035 (No testing permit. req'd)

Number of Tanks Tested at the site: Ø (list the tanks by their tank numbers if provided) permits requd.

Was the method a test of the entire tank system, piping alone, or just the facility tanks? (describe)

piping only - 4 LINES

Did the facility pass all tests: X Yes _____ No
(if no, provide the leak rate and a description of the tank(s) that failed the test) (failure is > 0.1 gal per hour)

The facility will do the following to investigate the failed test:
N/A

The test method certification that is submitted to the state specifies that each test method be completed in a certain manner. Is there anything within the results which would suggest that the tank test was improperly completed? _____ Yes X No

(describe)

Information has been reviewed and placed within the database: ✓ YES _____ NO

Date entered within the database: JW 11/6/92

RECEIVED
OCT 26 1992

330035

Triangle Environmental, Inc.

517 East Wilson Ave., Glendale, CA. 91206

PLT-100R HYDROSTATIC PRODUCT LINE RESULT SHEET

SITE: TEXACO # 50
I-5 # GRAPEVINE
LEBEC, CA

DATE: 10-13-92

W/O #: N1651

PRODUCT	START TIME /READING 00:00/ML	END TIME /READING 00:00/ML	TEST PRESSURE (psi)	VOLUME RATE (GPH)	RESULT PASS/ FAIL
UNLEAD	7:50 / 110	8:20 / 80	50	.015	PASS
UNL-PLUS	9:10 / 225	9:40 / 219	50	.003	PASS
PREMIUM	8:30 / 250	9:00 / 242	50	.004	PASS
DIESEL	9:50 / 175	10:20 / 175	50	.00	PASS

I certify the above tests were conducted on this date according to the equipment manufacturer's procedures and limitations and the results as listed are to my knowledge true and correct.

Technician: James J Reis OTTL# 90-1072

NOTE:
The Hydrostatic Product Line Test pass/fail is determined using a threshold of 0.05 gallons per hour rate at 150% working pressure or 50 psi which ever is more.

Copyright (c) Triangle Environmental, Inc., March, 1991. MRL

R. J. Myers & Sons, Inc.
SERVICE STATION CONSTRUCTION / PETRO TITE TANK & LINE TESTING
P.O. BOX 3007
NO. HOLLYWOOD, CA. 91609
213-875-0830 / 818-768-2126
818-768-2127 / 818-768-2128 FAX

JUNE 18, 1992

TEXACO R&M

ATTN: FRED LONG

RE; S/S 61058000050

TO INSURE THAT THIS FACILITY MEETS ALL REGULATORY AGENCIES REQUIREMENTS THE FOLLOWING REPAIRS WERE COMPLETED AT TIME OF INSPECTION.

1) SECURED ALL TANK MANWAY LIDS
2) INSTALLED (1) NEW DRY BREAK VALVE CAP

R.J. MYERS & SONS, INC.

RONALD J. MYERS
VICE PRESIDENT

RJM/TD

330035

R. J. Myers & Sons, Inc.

SERVICE STATION CONSTRUCTION / PETRO TITE TANK & LINE TESTING
P.O. BOX 3007
NO. HOLLYWOOD, CA. 91609
213-875-0830 / 818-768-2126
818-768-2127 / 818-768-2128 FAX

SUBJECT: ANNUAL ELECTRONIC/MECHANICAL MONITORING SYSTEM INSPECTION AND METER CALIBRATION

DATE: 6/18/92 STATION # 050
ADDRESS: I-5/GRAPEVINE GRAPEVINE, CA

ATTN: FRED LONG

This is to certify that the annual inspection of the existing monitoring system was performed at the above referenced facility. The method used to test the Electronic and Mechanical monitoring systems is approved by and exceeds the specifications according to the manufacturer.

R.J. Myers & Sons, Inc. has been contracted by TEXACO R&M to insure that their facilities comply with all the rules and regulations that govern the operations of underground storage tanks and product lines.

If you have any questions, please call.

Sincerely,

R.J. MYERS & SONS, INC.

Ronald J. Myers

Ronald J. Myers
Vice President

RJM/td

R. J. Myers & Sons, Inc.
SERVICE STATION CONSTRUCTION / PETRO TITE TANK & LINE TESTING
P.O. BOX 3007
NO. HOLLYWOOD, CA. 91609
213-875-0830 / 818-768-2126
818-768-2127 / 818-768-2128 FAX

TEXACO R&M
10 UNIVERSAL CITY PLAZA
UNIVERSAL CITY, CA 91608

Attn: FRED LONG

STATION LOCATION: 050

RE: LEAK DETECTION SYSTEM CERTIFICATION

For your information and records, the leak detection system at the above referenced site was certified on 6/18/92 by R. J. Myers & Sons, Inc. as indicated below.

PRODUCT LINE	TANK	WASTE OIL TANK
TYPE RED JACKET LEAK DETECTORS	TYPE TLS-350 ANNULAR SPACE	TYPE TLS-350 ANNULAR SPACE JUMP
MONITOR	MONITOR	MONITOR
_____Non Existing	_____Non Existing	_____Non Existing
___X___Operational	___X___Operational	___X___Operational
_____Non Operational	_____Non Operational	_____Non Operational

Please feel free to contract our office for any questions you may have regarding your leak detection equipment.

Sincerely,

Ronald J. Myers

Ronald J. Myers
Vice President

RJM:tlk

R. J. Myers & Son, Inc.
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P.O. BOX 3007
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DATE OF SERVICE 6/18/92 STATION # 050 W.O.# 1106407-002

TECHNICIAN: S. MOSER SERVICE REQUESTED BY: F. LONG

PROBE I.D. NUMBERS:

BILL TO: TEXACO R&M
10 UNIVERSAL CITY PLAZA
UNIVERSAL CITY, CA

SERVICE REQUESTED: ANNUAL MONITOR CERTIFICATION

DESCRIPTION OF WORK: TEST SUMP AND ANNULAR SPACE PROBES TEST W/O SUMP AND ANNULAR PROBES CALIBRATE DISPENSERS CHANGE FILTERS FACILITY INSPECTION.

MODEL# TLS-350 SERIAL# 10813977805001

SYSTEM CERTIFIED		SYSTEM PSD		SYSTEM RUNNING	
(YES)	NO	(YES)	NO	(YES)	NO

WASTE OIL		SYSTEM SEALED	
(YES)	NO	(YES)	NO

RECEIVED ALARM CALL AT:

LEFT FOR JOB SITE:

ARRIVED AT JOB SITE:

LEFT JOB SITE:

RETURNED TO BASE:

LIQUID SENSOR SETUP

- - - - - - - - - - - - - -

L 1:UNL FILL
VEEDER - ROOT

L 2:UNL SIP FILL
VEEDER - ROOT

L 3:SUP FILL
VEEDER - ROOT

L 4:UL PLUS FILL
VEEDER - ROOT

L 5:DIESEL FILL
VEEDER - ROOT

L 6:DIESEL SUMP
VEEDER - ROOT

L 7:UL PLUS SUMP
VEEDER - ROOT

L 8:SUP SUMP
VEEDER - ROOT

L 9:UNL ANULAR
VEEDER - ROOT

L10:SUP ANULAR
VEEDER - ROOT

L11:UNL SIP ANULAR
VEEDER - ROOT

L12:UL PLUS ANULAR
VEEDER - ROOT

L13:DIESEL ANULAR
VEEDER - ROOT

L14:LINER SUMP
VEEDER - ROOT

L15:UNL SUMP
VEEDER - ROOT

L16:UNL SIP SUMP
VEEDER - ROOT

L17:WASTE OIL SUMP
VEEDER - ROOT

L18:WASTE OIL ANULAR
VEEDER - ROOT

COPY

R. J. Myers & Sons, Inc.
SERVICE STATION CONSTRUCTION / PETRO TITE TANK & LINE TESTING
P.O. BOX 3007
NO. HOLLYWOOD, CA. 91609
213-875-0830 / 818-768-2126
818-768-2127 / 818-768-2128 FAX

DATE OF SERVICE 6/18/92 STATION # 050 W.O.# 1106407-002

TECHNICIAN: S MOSER SERVICE REQUESTED BY: F. LONG

PROBE I.D. NUMBERS: UNLEADED
UNL SIPHON
SUPER
PLUS
DIESEL
WASTE OIL

BILL TO: TEXACO R&M
10 UNIVERSAL CITY PLAZA
UNIVERSAL CITY, CA 91608

SERVICE REQUESTED: ANNUAL MONITOR CERTIFICATION

DESCRIPTION OF WORK: STICK TANKS AND COMPARE WITH TLS-350. ALL SYSTEMS WITHIN CALIBRATION.

MODEL# TLS-350 SERIAL# SAME

SYSTEM CERTIFIED	SYSTEM PSD	SYSTEM RUNNING
(YES) NO	YES (NA) NO	(YES) NO

WASTE OIL	SYSTEM SEALED
(YES) NO	(YES) NO

RECEIVED ALARM CALL AT: _____

LEFT FOR JOB SITE: _____

ARRIVED AT JOB SITE: _____

LEFT JOB SITE: _____

RETURNED TO BASE: _____

TANK EQUIPMENT SURVEY FORM

SS#: TEXACO 050
ADDRESS: I-5 / GRAPEVINE
CITY/STATE: LEBEC, CA
COUNTY:

ENGR/ANALYST: F. LONG
OFFICE:
TELEPHONE:
SUPERVISOR:

TANK INFORMATION:

	TANK 1	TANK 2	TANK 3	TANK 4	TANK 5	TANK 6
SIZE:	10000	12000	10000	12000	10000	550
PRODUCT:	UNL	UNL SIPHON	SUP	PLUS	DIE	W/O
STEEL/FIBERGLASS:	F/G	F/G	F/G	F/G	F/G	F/G
SINGLE/DOUBLEWALL:	D/W	D/W	D/W	D/W	D/W	D/W
INSTALLATION DATE:	UNK	UNK	UNK	UNK	UNK	UNK
TANK TEST DATE:	UNK	UNK	UNK	UNK	UNK	UNK
LINE TEST DATE:	UNK	UNK	UNK	UNK	UNK	UNK
TANKS SIPHONED:	YES	YES	NONE	NONE	NONE	NONE

PRODUCT LINE INFORMATION:

LINE STRUCTURE: F/G STEEL/FIBERGLASS
SINGLE SINGLE/DOUBLEWALL
SECONDARY CONTAINMENT: LINER FIBERTRENCH, LINER, or OTHER

OTHER INFORMATION:

SUBMERSIBLE PUMP MANUFACTURER : RED JACKET 3/4 H.P.
LEAK DETECTOR MANUFACTURER : VEEDER-ROOT TLS-550
TANK LEAK DETECTION MANUFACTURER: TLS-350
LINE LEAK DETECTION MANUFACTURER: TLS-350 RED JACKET LEAK DETECTORS PLD'S

OVERFILL PROTECTION: YES YES or NO
IF BALL FLOAT : 90% 90%(16") or 95%(6")
SPILL CONTAINMENT BOX : YES YES or NO
SIZE : 5 (5) or (15) GALLONS
AUTOMATIC TANK GAUGING: YES YES or NO
TYPE : VEEDER-ROOT TLS-350 VEEDEROOT, ETC....

VAPOR RECOVERY: STAGE I : COAX COAX, DUAL POINT or SINGLE PICK UP PER TANK
STAGE II: YES YES or NO

MONITORING WELLS:

MONITORING WELLS: NO YES or NO 0 NO. OF WELLS
VADOSE or GROUNDWATER
PROBES IN WELLS : YES or NO
TYPE OF PROBES
WELLS LOCKED AND COLOR CODED: YES or NO

ATTACH ALL TANK TEST RESULTS, TANK RELATED PERMITS AND START UP VERIFICATION FORMS FROM MONITORING SYSTEMS.

Environmenta Awareness

R.J. MYERS & SONS, INC.
P.O. BOX 3007
NO. HOLLYWOOD, CA 91609
(213) 875-0830
(818) 768-2126

Annual Environmental Facility Inspection

Retail Marketing

Address	I-5/GRAPVINE	Inspector	S. MOSER	Date	6/18/92	Fac. #	050

I Dispenser/Pump	Leak	No leak	Repaired	Y/N	III Leak Detectors	Leak	No leak	Repaired	Y/N
Piping		X			Housing		X		
Check Valve		X			Test		X		
Hoses		X			Sealed (Y/N)				Y
Nozzles		X			Proper Clearance to Lid				Y
Fittings		X			IV Compliance Monitoring Wells				
Impact Valve Operational (Y/N)				Y	Caps Secured & Locked (Y/N)				
Filter Warning Signs (Y/N)				Y	Box Covers Fit Properly (Y/N)				
II Tanks					V Visual Premises Check				
Piping		X			Electronic Tank Monitors Operational (Y/N)				Y
Fills Tagged (Y/N)				Y	Emergency Pump Shut Off Switch Operational (Y/N)				Y
Fill Boxes Free of Dirt, Debris, Water (Y/N)				Y	Check for Evidence of Spills:				
Fill Box Drain Valve, Operational (if present) (Y/N)				Y	Low Spots Around Facility Property		NONE		
Vapor Recovery Fittings		X			Landscaped Area		OK		
Submerged Pumps		X			Nearby Ditches, Creeks, Etc.		N/A		
Turbine Relays Operational (Y/N)				Y	VI Dealer/Franchisee -- Ask If				
Fill Drop Tubes					Any leaks reported within past year (Y/N)				N
Top of 45° Taper <6" fr Tank Bottom (Y/N)				Y	Any spills reported within past year (Y/N)				N

Note: All discovered leaks are to be reported by phone to ARCO Maintenance prior to leaving the facility.

Comments

Inspector's Signature S. Moser

APPC-248-C (6-90)

LDT 880 - LEAK DETECTOR CHECKLIST

CONTRACTOR: R.J. MYERS & SONS, INC.		CUSTOMER: TEXACO 050	
DATE: 6/18/92	PRODUCT: SUPER	LOCATION: I-5/GRAPEVINE	
TECHNICIAN: S. MOSER			LEBEC, CA

LOCATION

I SUBMERSIBLE PUMP IDENTIFICATION

CHECK MFG.
INDICATE MODEL NO. IF KNOWN

RECORD SERIAL # 10071284-7194

RED JACKET	TOKHEIM	GILBARCO	BENNETT	DRESSER WAYNE	A.O. SMITH	BOWSER KEENE	SOUTH WEST	OTHER
X								

II LEAK DETECTOR IDENTIFICATION

CHECK TYPE — DATE 3/1/91 — S/N 8811

RED JACKET MODEL 116-030 PLD-2SEC HEX HEAD	RED JACKET MODEL 116-017 DLD 2SEC HEX HEAD	RED JACKET MODEL 116-011A DLD 5SEC ROUND HEAD	TOKHEIM MODEL 585PM DLD 2SEC SQUARE HEAD	OTHER
X				

PRE-TEST CONDITIONS
VOLUME OF PRODUCT FLUSHED THRU LINE _____ GALLONS

OTHER COMMENTS _____

TEST PROCEDURE

LEAK DETECTOR INSTALLED TEST AT DISPENSER

III GENERAL LINE AND PUMP INFORMATION

RECORD OPERATING PUMP PRESSURE 24 psig.
AIR-VAPOR TEST WITH PUMP OFF MEASURE AND RECORD _____ ML

IV PRESSURE STEP TEST

WITH BOTTOM SELECTOR IN PRESSURE STEP TEST POSITION TURN ON PUMP
RECORD TIME IN SECONDS GUAGE NEEDLE REMAINS IN COLORED ZONE 2 SEC.

V 3 GALLON PER HOUR LEAK SIMULATED TEST

WITH BOTTOM SELECTOR IN 3 GPH TEST POSITION
A) MEASURE AND RECORD VOLUME IN CALIBRATED BEAKER FOR 60 SECOND TEST 220 ML
B) OPEN DISPENSER NOZZLE OR PLACE BOTTOM SELECTOR IN DISPENSER NOZZLE POSITION.
FLOW RATE OF APPROX. 1½-3GAL PER MINUTE WILL BE OBSERVED.
DOES GUAGE NEEDLE MOVE TO LOWER END OF COLORED ZONE YES X NO ____
DOES FLOW RATE INCREASE TO APPROX. 1½-3GAL PER MINUTE YES X NO ____
C) CLOSE DISPENSER NOZZLE OR PLACE BOTTOM SELECTOR IN 3GPH TEST POSITION:
GUAGE RETURN TO COLORED ZONE YES X NO ____
GUAGE DOES NOT RETURN TO COLORED ZONE YES ____ NO X
GAUGE GOES TO OPERATING PRESSURE YES ____ NO X

LEAK DETECTOR TEST — PASS X / FAIL ____

LEAK DETECTOR ISOLATED FROM PRODUCT LINE - TEST AT PUMP PIT

REFER TO LDT INSTRUCTIONS

III GENERAL PUMP INFORMATION

FLUSH LDT TESTOR
RECORD OPERATING PUMP PRESSURE _____ psig.

IV PRESSURE STEP TEST - SUBMERSIBLE PUMP REMAINS ON THRU-OUT TEST PROCEDURE

WITH BOTTOM SELECTOR IN PRESSURE STEP TEST POSITION ROTATE ISOLATOR FULLY (CC/W)
RECORD TIME IN SECONDS GUAGE NEEDLE REMAINS IN COLORED ZONE _____ SEC.

V 3 GALLON PER HOUR LEAK SIMULATED TEST

WITH BOTTOM SELECTOR IN 3 GPH TEST POSITION
A) MEASURE AND RECORD VOLUME IN CALIBRATED BEAKER FOR 60 SECOND TEST _____ ML
B) PLACE BOTTOM SELECTOR IN DISPENSER NOZZLE POSITION.
FLOW RATE OF APPROX. 11/2-3GAL PER MINUTE WILL BE OBSERVED.
DOES GUAGE NEEDLE MOVE TO LOWER END OF COLORED ZONE YES ____ NO ____
DOES FLOW RATE INCREASE TO APPROX. 1½-3GAL PER MINUTE YES ____ NO ____
C) PLACE BOTTOM SELECTOR IN 3GPH TEST POSITION:
GUAGE RETURN TO COLORED ZONE YES ____ NO ____
GUAGE DOES NOT RETURN TO COLORED ZONE YES ____ NO ____
GAUGE GOES TO OPERATING PRESSURE YES ____ NO ____

LEAK DETECTOR TEST — PASS ____ / FAIL ____

PURPORA VAPORLESS FORM 880A ©

LDT 880 - LEAK DETECTOR CHECKLIST

CONTRACTOR: R.J. MYERS & SONS, INC.	CUSTOMER: TEXACO 050
DATE: 6/18/92 — PRODUCT: UNLEADED	LOCATION: I-5/GRAPEVINE
TECHNICIAN: S. MOSER	LEBEC, CA

LOCATION

I SUBMERSIBLE PUMP IDENTIFICATION

CHECK MFG.
INDICATE MODEL NO. IF KNOWN

RECORD SERIAL # NO TAG

RED JACKET	TOKHEIM	GILBARCO	BENNETT	DRESSER WAYNE	A.O. SMITH	BOWSER KEENE	SOUTH WEST	OTHER
X								

II LEAK DETECTOR IDENTIFICATION

CHECK TYPE — DATE 3/9/91 — S/N 5056

RED JACKET MODEL 116-030 PLD-2SEC HEX HEAD	RED JACKET MODEL 116-017 DLD 2SEC HEX HEAD	RED JACKET MODEL 116-011A DLD 5SEC ROUND HEAD	TOKHEIM MODEL 585PM DLD 2SEC SQUARE HEAD	OTHER
X				

PRE-TEST CONDITIONS
VOLUME OF PRODUCT FLUSHED THRU LINE _____ GALLONS

OTHER COMMENTS _____

TEST PROCEDURE

LEAK DETECTOR INSTALLED TEST AT DISPENSER

III GENERAL LINE AND PUMP INFORMATION

RECORD OPERATING PUMP PRESSURE 24 psig.
AIR-VAPOR TEST WITH PUMP OFF MEASURE AND RECORD _____ ML

IV PRESSURE STEP TEST

WITH BOTTOM SELECTOR IN PRESSURE STEP TEST POSITION TURN ON PUMP
RECORD TIME IN SECONDS GUAGE NEEDLE REMAINS IN COLORED ZONE 2 SEC.

V 3 GALLON PER HOUR LEAK SIMULATED TEST

WITH BOTTOM SELECTOR IN 3 GPH TEST POSITION
A) MEASURE AND RECORD VOLUME IN CALIBRATED BEAKER FOR 60 SECOND TEST 240 ML
B) OPEN DISPENSER NOZZLE OR PLACE BOTTOM SELECTOR IN DISPENSER NOZZLE POSITION.
FLOW RATE OF APPROX. 1½-3GAL PER MINUTE WILL BE OBSERVED.
DOES GUAGE NEEDLE MOVE TO LOWER END OF COLORED ZONE YES X NO ____
DOES FLOW RATE INCREASE TO APPROX. 1½-3GAL PER MINUTE YES X NO ____
C) CLOSE DISPENSER NOZZLE OR PLACE BOTTOM SELECTOR IN 3GPH TEST POSITION:
GUAGE RETURN TO COLORED ZONE YES X NO ____
GUAGE DOES NOT RETURN TO COLORED ZONE YES ____ NO X
GAUGE GOES TO OPERATING PRESSURE YES ____ NO X

LEAK DETECTOR TEST — PASS X — FAIL ____

LEAK DETECTOR ISOLATED FROM PRODUCT LINE - TEST AT PUMP PIT

REFER TO LDT INSTRUCTIONS

III GENERAL PUMP INFORMATION

FLUSH LDT TESTOR
RECORD OPERATING PUMP PRESSURE _____ psig.

IV PRESSURE STEP TEST • SUBMERSIBLE PUMP REMAINS ON THRU-OUT TEST PROCEDURE

WITH BOTTOM SELECTOR IN PRESSURE STEP TEST POSITION ROTATE ISOLATOR FULLY (CC/W)
RECORD TIME IN SECONDS GUAGE NEEDLE REMAINS IN COLORED ZONE _____ SEC.

V 3 GALLON PER HOUR LEAK SIMULATED TEST

WITH BOTTOM SELECTOR IN 3 GPH TEST POSITION
A) MEASURE AND RECORD VOLUME IN CALIBRATED BEAKER FOR 60 SECOND TEST _____ ML
B) PLACE BOTTOM SELECTOR IN DISPENSER NOZZLE POSITION.
FLOW RATE OF APPROX. 11/2-3GAL PER MINUTE WILL BE OBSERVED.
DOES GUAGE NEEDLE MOVE TO LOWER END OF COLORED ZONE YES ____ NO ____
DOES FLOW RATE INCREASE TO APPROX. 1½-3GAL PER MINUTE YES ____ NO ____
C) PLACE BOTTOM SELECTOR IN 3GPH TEST POSITION:
GUAGE RETURN TO COLORED ZONE YES ____ NO ____
GUAGE DOES NOT RETURN TO COLORED ZONE YES ____ NO ____
GAUGE GOES TO OPERATING PRESSURE YES ____ NO ____

LEAK DETECTOR TEST — PASS ____ — FAIL ____

PURPORA VAPORLESS FORM 880A ©

LDT 880 - LEAK DETECTOR CHECKLIST

CONTRACTOR: R.J. MYERS & SONS, INC.	CUSTOMER: TEXACO 050
DATE: 6/18/92 / PRODUCT: DIESEL	LOCATION: I-5/GRAPEVINE
TECHNICIAN: S. MOSER	LEBEC, CA

LOCATION

I SUBMERSIBLE PUMP IDENTIFICATION

CHECK MFG. INDICATE MODEL NO. IF KNOWN — RECORD SERIAL # 100711284-7101

RED JACKET	TOKHEIM	GILBARCO	BENNETT	DRESSER WAYNE	A.O. SMITH	BOWSER KEENE	SOUTH WEST	OTHER
X								

II LEAK DETECTOR IDENTIFICATION

CHECK TYPE — DATE 3/9/91 — S/N 5055

RED JACKET MODEL 116-030 PLD-2SEC HEX HEAD	RED JACKET MODEL 116-017 DLD 2SEC HEX HEAD	RED JACKET MODEL 116-011A DLD 5SEC ROUND HEAD	TOKHEIM MODEL 585PM DLD 2SEC SQUARE HEAD	OTHER
X				

PRE-TEST CONDITIONS

VOLUME OF PRODUCT FLUSHED THRU LINE _____ GALLONS

OTHER COMMENTS _____

TEST PROCEDURE

LEAK DETECTOR INSTALLED TEST AT DISPENSER

III GENERAL LINE AND PUMP INFORMATION

RECORD OPERATING PUMP PRESSURE 22 psig.
AIR-VAPOR TEST WITH PUMP OFF MEASURE AND RECORD _____ ML

IV PRESSURE STEP TEST

WITH BOTTOM SELECTOR IN PRESSURE STEP TEST POSITION TURN ON PUMP
RECORD TIME IN SECONDS GUAGE NEEDLE REMAINS IN COLORED ZONE 2 SEC.

V 3 GALLON PER HOUR LEAK SIMULATED TEST

WITH BOTTOM SELECTOR IN 3 GPH TEST POSITION

A) MEASURE AND RECORD VOLUME IN CALIBRATED BEAKER FOR 60 SECOND TEST 200 ML

B) OPEN DISPENSER NOZZLE OR PLACE BOTTOM SELECTOR IN DISPENSER NOZZLE POSITION. FLOW RATE OF APPROX. 1½-3GAL PER MINUTE WILL BE OBSERVED.
DOES GUAGE NEEDLE MOVE TO LOWER END OF COLORED ZONE YES X NO ____
DOES FLOW RATE INCREASE TO APPROX. 1½-3GAL PER MINUTE YES X NO ____

C) CLOSE DISPENSER NOZZLE OR PLACE BOTTOM SELECTOR IN 3GPH TEST POSITION:
GUAGE RETURN TO COLORED ZONE YES X NO ____
GUAGE DOES NOT RETURN TO COLORED ZONE YES ____ NO X
GAUGE GOES TO OPERATING PRESSURE YES ____ NO X

LEAK DETECTOR TEST — PASS X / FAIL

LEAK DETECTOR ISOLATED FROM PRODUCT LINE - TEST AT PUMP PIT

REFER TO LDT INSTRUCTIONS

III GENERAL PUMP INFORMATION

FLUSH LDT TESTOR
RECORD OPERATING PUMP PRESSURE _____ psig.

IV PRESSURE STEP TEST - SUBMERSIBLE PUMP REMAINS ON THRU-OUT TEST PROCEDURE

WITH BOTTOM SELECTOR IN PRESSURE STEP TEST POSITION ROTATE ISOLATOR FULLY (CC/W)
RECORD TIME IN SECONDS GUAGE NEEDLE REMAINS IN COLORED ZONE _____ SEC.

V 3 GALLON PER HOUR LEAK SIMULATED TEST

WITH BOTTOM SELECTOR IN 3 GPH TEST POSITION

A) MEASURE AND RECORD VOLUME IN CALIBRATED BEAKER FOR 60 SECOND TEST _____ ML

B) PLACE BOTTOM SELECTOR IN DISPENSER NOZZLE POSITION. FLOW RATE OF APPROX. 11/2-3GAL PER MINUTE WILL BE OBSERVED.
DOES GUAGE NEEDLE MOVE TO LOWER END OF COLORED ZONE YES ____ NO ____
DOES FLOW RATE INCREASE TO APPROX. 1½-3GAL PER MINUTE YES ____ NO ____

C) PLACE BOTTOM SELECTOR IN 3GPH TEST POSITION:
GUAGE RETURN TO COLORED ZONE YES ____ NO ____
GUAGE DOES NOT RETURN TO COLORED ZONE YES ____ NO ____
GAUGE GOES TO OPERATING PRESSURE YES ____ NO ____

LEAK DETECTOR TEST — PASS ____ / FAIL

LDT 880 - LEAK DETECTOR CHECKLIST

CONTRACTOR: R.J. MYERS & SONS, INC.	CUSTOMER: TEXACO 050
DATE: 6/18/92 / PRODUCT: PLUS	LOCATION: I-5/GRAPEVINE
TECHNICIAN: S. MOSER	LEBEC, CA

LOCATION

I SUBMERSIBLE PUMP IDENTIFICATION

CHECK MFG.
INDICATE MODEL NO. IF KNOWN

RECORD SERIAL # 11012691-0088

RED JACKET	TOKHEIM	GILBARCO	BENNETT	DRESSER WAYNE	A.O. SMITH	BOWSER KEENE	SOUTH WEST	OTHER
X								

II LEAK DETECTOR IDENTIFICATION

CHECK TYPE — DATE 3/9/91 — S/N 5057

RED JACKET MODEL 116-030 PLD-2SEC HEX HEAD	RED JACKET MODEL 116-017 DLD 2SEC HEX HEAD	RED JACKET MODEL 116-011A DLD 5SEC ROUND HEAD	TOKHEIM MODEL 585PM DLD 2SEC SQUARE HEAD	OTHER
X				

PRE-TEST CONDITIONS

VOLUME OF PRODUCT FLUSHED THRU LINE _____ GALLONS

OTHER COMMENTS _____

TEST PROCEDURE

LEAK DETECTOR INSTALLED TEST AT DISPENSER

III GENERAL LINE AND PUMP INFORMATION

RECORD OPERATING PUMP PRESSURE 24 psig.
AIR-VAPOR TEST WITH PUMP OFF MEASURE AND RECORD _____ ML

IV PRESSURE STEP TEST

WITH BOTTOM SELECTOR IN PRESSURE STEP TEST POSITION TURN ON PUMP
RECORD TIME IN SECONDS GUAGE NEEDLE REMAINS IN COLORED ZONE 2 SEC.

V 3 GALLON PER HOUR LEAK SIMULATED TEST

WITH BOTTOM SELECTOR IN 3 GPH TEST POSITION
A) MEASURE AND RECORD VOLUME IN CALIBRATED BEAKER FOR 60 SECOND TEST 240 ML
B) OPEN DISPENSER NOZZLE OR PLACE BOTTOM SELECTOR IN DISPENSER NOZZLE POSITION.
FLOW RATE OF APPROX. 1½-3GAL PER MINUTE WILL BE OBSERVED.
DOES GUAGE NEEDLE MOVE TO LOWER END OF COLORED ZONE YES X NO ____
DOES FLOW RATE INCREASE TO APPROX. 1½-3GAL PER MINUTE YES X NO ____
C) CLOSE DISPENSER NOZZLE OR PLACE BOTTOM SELECTOR IN 3GPH TEST POSITION:
GUAGE RETURN TO COLORED ZONE YES X NO ____
GUAGE DOES NOT RETURN TO COLORED ZONE YES ____ NO X
GAUGE GOES TO OPERATING PRESSURE YES ____ NO X

LEAK DETECTOR TEST — PASS X / FAIL ____

LEAK DETECTOR ISOLATED FROM PRODUCT LINE - TEST AT PUMP PIT

REFER TO LDT INSTRUCTIONS

III GENERAL PUMP INFORMATION

FLUSH LDT TESTOR
RECORD OPERATING PUMP PRESSURE _____ psig.

IV PRESSURE STEP TEST - SUBMERSIBLE PUMP REMAINS ON THRU-OUT TEST PROCEDURE

WITH BOTTOM SELECTOR IN PRESSURE STEP TEST POSITION ROTATE ISOLATOR FULLY (CC/W)
RECORD TIME IN SECONDS GUAGE NEEDLE REMAINS IN COLORED ZONE _____ SEC.

V 3 GALLON PER HOUR LEAK SIMULATED TEST

WITH BOTTOM SELECTOR IN 3 GPH TEST POSITION
A) MEASURE AND RECORD VOLUME IN CALIBRATED BEAKER FOR 60 SECOND TEST _____ ML
B) PLACE BOTTOM SELECTOR IN DISPENSER NOZZLE POSITION.
FLOW RATE OF APPROX. 11/2-3GAL PER MINUTE WILL BE OBSERVED.
DOES GUAGE NEEDLE MOVE TO LOWER END OF COLORED ZONE YES ____ NO ____
DOES FLOW RATE INCREASE TO APPROX. 1½-3GAL PER MINUTE YES ____ NO ____
C) PLACE BOTTOM SELECTOR IN 3GPH TEST POSITION:
GUAGE RETURN TO COLORED ZONE YES ____ NO ____
GUAGE DOES NOT RETURN TO COLORED ZONE YES ____ NO ____
GAUGE GOES TO OPERATING PRESSURE YES ____ NO ____

LEAK DETECTOR TEST — PASS ____ / FAIL ____

PURPORA VAPORLESS FORM 880A ©

Type of Report: (Please circle one) Equipment Transfer, Product Transfer, Pump Test, Intercompany Data Form Repair, Station Audit, Station Opening, Station Sold, Product Changes. Station Closing.

No.

Location Name TEXACO Location No. 050 Date 6/18/92
Address I-T/GRAPEVINE City LEBEC State CA
Failure Reported
P.O. AFE No. Service call made Time arrived am/pn
Marketing Rep. Rep. No. Time Comp. am/pn
In addition to correcting the problem reported, please perform the following: Repair Time
Stick all tanks with water finding paste. Read all pump totalizers. Travel Time
Record data below including product type and pump no. where necessary.

	TYPE UNL	No. 10	TYPE SUP	No. 10	TYPE PLUS	No. 10
Meter Readings	**Gallons**	**Dollars**	**Gallons**	**Dollars**	**Gallons**	**Dollars**
After	14535	695	19575	770	19500	720
Before	14530		19570		18495	
TOTALS	5		5		5	
Calibr. Beg. +/-	00		+1		+1	
Cor. After +/-						
	TYPE DIE	**No. 10**	**TYPE UNL**	**No. 11**	**TYPE SUP**	**No. 11**
Meter Readings	**Gallons**	**Dollars**	**Gallons**	**Dollars**	**Gallons**	**Dollars**
After	05861	670	51377	695	22334	770
Before	05856		51372		22329	
TOTALS	5		5		5	
Calibr. Beg. +/-	00		00		-3	
Cor. After +/-						
	TYPE PLUS	**No. 11**	**TYPE DIE**	**No. 11**	**TYPE UNL**	**No. 12**
Meter Readings	**Gallons**	**Dollars**	**Gallons**	**Dollars**	**Gallons**	**Dollars**
After	18770	720	07423	670	15336	665
Before	18765		07418		15331	
TOTALS	5		5		5	
Calibr. Beg. +/-	-2		00		00	
Cor. After +/-						
	TYPE SUP	**No. 12**	**TYPE PLUS**	**No. 12**	**TYPE DIE**	**No. 12**
Meter Readings	**Gallons**	**Dollars**	**Gallons**	**Dollars**	**Gallons**	**Dollars**
After	15735	770	20529	720	07905	670
Before	15730		20324		07900	
TOTALS	5		5		5	
Calibr. Beg. +/-	00		+1		00	
Cor. After +/-						
Product	**TYPE**	**TYPE**	**TYPE**	**TYPE**	**TYPE**	**TYPE**
Stick Readings Inches Water						
Product	**TYPE**	**TYPE**	**TYPE**	**TYPE**	**TYPE**	**TYPE**
Stick Readings Inches Water						

Type of Report: (Please circle one) Equipment Transfer, Product Transfer, Pump Test, Intercompany Data Form Repair, Station Audit, Station Opening, Station Sold, Product Changes. Station Closing.

No.

Location Name TEXACO Location No. 050 Date 6/18/92
Address _____ City _____ State _____
Failure Reported _____
P.O. _____ AFE No. _____ Service call made _____ Time arrived _____ am/pm
Marketing Rep. _____ Rep. No. _____ Time Comp. _____ am/pm
In addition to correcting the problem reported, please perform the following: Repair Time _____
Stick all tanks with water finding paste. Read all pump totalizers. Travel Time _____
Record data below including product type and pump no. where necessary.

	TYPE UNI	No. 7	TYPE SUP	No. 7	TYPE PLUS	No. 7
Meter Readings	**Gallons**	**Dollars**	**Gallons**	**Dollars**	**Gallons**	**Dollars**
After	51197	695	09859	770	18914	720
Before	51192		09854		18909	
TOTALS	5		5		5	
Calibr. Beg. +/-	00		+1		-1	
Cor. After +/-						
	TYPE DIE	**No. 7**	**TYPE UNI**	**No. 8**	**TYPE SUP**	**No. 8**
Meter Readings	**Gallons**	**Dollars**	**Gallons**	**Dollars**	**Gallons**	**Dollars**
After	04246	670	37960	695	28818	770
Before	04241		37955		28813	
TOTALS	5		5		5	
Calibr. Beg. +/-	-1		+2		+3	
Cor. After +/-						
	TYPE PLUS	**No. 8**	**TYPE DIE**	**No. 8**	**TYPE UNI**	**No. 9**
Meter Readings	**Gallons**	**Dollars**	**Gallons**	**Dollars**	**Gallons**	**Dollars**
After	23789	790	04986	670	47474	695
Before	23784		04981		47469	
TOTALS	5		5		5	
Calibr. Beg. +/-	-2		00		00	
Cor. After +/-						
	TYPE SUP	**No. 9**	**TYPE PLUS**	**No. 9**	**TYPE DIE**	**No. 9**
Meter Readings	**Gallons**	**Dollars**	**Gallons**	**Dollars**	**Gallons**	**Dollars**
After	11113	770	21282	720	07297	670
Before	11108		21277		07292	
TOTALS	5		5		5	
Calibr. Beg. +/-	-1		00		00	
Cor. After +/-						
Product	**TYPE**	**TYPE**	**TYPE**	**TYPE**	**TYPE**	**TYPE**
Stick Readings						
Inches Water						
Product	**TYPE**	**TYPE**	**TYPE**	**TYPE**	**TYPE**	**TYPE**
Stick Readings						
Inches Water						

Type of Report: (Please circle one) Equipment Transfer, Product Transfer, Pump Test, Intercompany Data Form Repair, Station Audit, Station Opening, Station Sold, Product Changes. Station Closing.

No.

Location Name TEXACO Location No. 050 Date 6/18/92
Address _____ City _____ State _____
Failure Reported _____
P.O. _____ AFE No. _____ Service call made _____ Time arrived _____ am/pm
Marketing Rep. _____ Rep. No. _____ Time Comp. _____ am/pm
In addition to correcting the problem reported, please perform the following: Repair Time _____
Stick all tanks with water finding paste. Read all pump totalizers. Travel Time _____
Record data below including product type and pump no. where necessary.

	TYPE UNL	No. 4	TYPE SUP	No. 4	TYPE PLUS	No. 4
Meter Readings	Gallons	Dollars	Gallons	Dollars	Gallons	Dollars
After	17162	695	66584	770	06359	720
Before	17157		06579		06354	
TOTALS	5		5		5	
Calibr. Beg. +/-	00		+1		-1	
Cor. After +/-						

	TYPE DIE	No. 4	TYPE UNL	No. 5	TYPE SUP	No. 5
Meter Readings	Gallons	Dollars	Gallons	Dollars	Gallons	Dollars
After	09324	670	08368	695	21275	770
Before	09319		08363		21271	
TOTALS	5		5		5	
Calibr. Beg. +/-	00		-3		-2	
Cor. After +/-						

	TYPE PLUS	No. 5	TYPE DIE	No. 5	TYPE UNL	No. 6
Meter Readings	Gallons	Dollars	Gallons	Dollars	Gallons	Dollars
After	19420	720	03871	670	55086	695
Before	19415		03866		55081	
TOTALS	5		5		5	
Calibr. Beg. +/-	+1		00		+1	
Cor. After +/-						

	TYPE SUP	No. 6	TYPE PLUS	No. 6	TYPE DIE	No. 6
Meter Readings	Gallons	Dollars	Gallons	Dollars	Gallons	Dollars
After	23601	770	24020	720	04180	670
Before	23596		24015		04175	
TOTALS	5		5		5	
Calibr. Beg. +/-	+2		+3		+3	
Cor. After +/-						

Product	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE
Stick Readings Inches Water						

Product	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE
Stick Readings Inches Water						

Type of Report: (Please circle one) Equipment Transfer, Product Transfer, Pump Test, **No.**
Intercompany Data Form Repair, Station Audit, Station Opening, Station Sold, Product Changes. Station Closing.

Location Name TEXACO Location No. 050 Date 6/18/92
Address _____ City _____ State _____
Failure Reported _____
P.O. _____ AFE No. _____ Service call made _____ Time arrived _____ am/pm
Marketing Rep. _____ Rep. No. _____ Time Comp. _____ am/pm
In addition to correcting the problem reported, please perform the following: Repair Time _____
Stick all tanks with water finding paste. Read all pump totalizers. Travel Time _____
Record data below including product type and pump no. where necessary.

	TYPE UNL	No. 1	TYPE SUP	No. 1	TYPE PLUS	No. 1
Meter Readings	Gallons	Dollars	Gallons	Dollars	Gallons	Dollars
After	20567	695	08643	770	06600	720
Before	20562		08638		06595	
TOTALS	5		5		5	
Calibr. Beg. +/-	00				-1	
Cor. After +/-						

	TYPE DIE	No. 1	TYPE UNL	No. 2	TYPE SUP	No. 2
Meter Readings	Gallons	Dollars	Gallons	Dollars	Gallons	Dollars
After	05483	670	14312	695	06417	770
Before	05478		14307		06412	
TOTALS	5		5		5	
Calibr. Beg. +/-	00		-2		+1	
Cor. After +/-						

	TYPE PLUS	No. 2	TYPE DIE	No. 2	TYPE UNL	No. 3
Meter Readings	Gallons	Dollars	Gallons	Dollars	Gallons	Dollars
After	06367	720	04670	670	27143	695
Before	06362		04665		27138	
TOTALS	5					
Calibr. Beg. +/-	-3		00		00	
Cor. After +/-						

	TYPE SUP	No. 3	TYPE PLUS	No. 3	TYPE DIE	No. 3
Meter Readings	Gallons	Dollars	Gallons	Dollars	Gallons	Dollars
After	09921	770	08827	720	05615	670
Before	09916		08822		05610	
TOTALS	5		5		5	
Calibr. Beg. +/-	00		00		+1	
Cor. After +/-						

Product	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE
Stick Readings Inches Water						

Product	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE
Stick Readings Inches Water						

139
54
44
34

Type of Report: (Please circle one) Equipment Transfer, Product Transfer, Pump Test, Intercompany Data Form Repair, Station Audit, Station Opening, Station Sold, Product Changes. Station Closing.

No.

Location Name TEXACO Location No. 050 Date 6/18/92
Address I-5 / GRAPEVINE City LEBEC State CA
Failure Reported
P.O. AFE No. Service call made Time arrived am/p
Marketing Rep. Rep. No. Time Comp. am/p
In addition to correcting the problem reported, please perform the following: Repair Time
Stick all tanks with water finding paste. Read all pump totalizers. Travel Time
Record data below including product type and pump no. where necessary.

	TYPE V/L No. 1		TYPE SUP No. 1		TYPE PLUS No. 1	
Meter Readings	Gallons	Dollars	Gallons	Dollars	Gallons	Dollars
After	20567	695	08643	770	06600	720
Before	20562		08638		06595	
TOTALS	5		5		5	
Calibr. Beg. +/-	00		+		-1	
Cor. After +/-						

	TYPE DIESEL No. 1		TYPE V/L No. 2		TYPE SUP No. 2	
Meter Readings	Gallons	Dollars	Gallons	Dollars	Gallons	Dollars
After	05483	670	14312	695	06417	770
Before	05478		14307		06412	
TOTALS	5		5		5	
Calibr. Beg. +/-	00		-2		+1	
Cor. After +/-						

	TYPE PLUS No. 2		TYPE DIESEL No. 2		TYPE V/L No. 3	
Meter Readings	Gallons	Dollars	Gallons	Dollars	Gallons	Dollars
After	06367	720	04670	670	27143	695
Before	06362		04665		27138	
TOTALS	5					
Calibr. Beg. +/-	-3		00		00	
Cor. After +/-						

	TYPE SUP No. 3		TYPE PLUS No. 3		TYPE DIESEL No. 3	
Meter Readings	Gallons	Dollars	Gallons	Dollars	Gallons	Dollars
After	09921	770	08827	720	05615	670
Before	09916		08822		05610	
TOTALS	5		5		5	
Calibr. Beg. +/-	00		00		+1	
Cor. After +/-						

Product	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE
Stick Readings						
Inches Water						

Product	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE
Stick Readings						
Inches Water						

TIGHTNESS TESTING REPORTS
EVALUATION FORM

Specialist reviewing the tightness test report: Chris Finberg

Date tightness test reports were submitted: 12/20/91

Date tightness tests were completed: 12/7/91

Facility Permit Number: [redacted] 10057

Number of Tanks Tested at the site: 5 tanks total (list the tanks by their tank numbers if provided) ~~Tanks~~ 1-8K PUL 2-10K UL 3-12K UL 4-10K DSL 5 10K reg

Was the method a test of the entire tank system, piping alone, or just the facility tanks? (describe)

Entire System

Did the facility pass all tests: X Yes _____ No
(if no, provide the leak rate and a description of the tank(s) that failed the test) (failure is > 0.1 gal per hour)

No test performed on W.O. tank.

Permit for 4 tanks only (the fifth tank is new install no permit reqd)

The facility will do the following to investigate the failed test:

N/A

The test method certification that is submitted to the state specifies that each test method be completed in a certain manner. Is there anything within the results which would suggest that the tank test was improperly completed? _____ Yes X No

(describe)

Information has been reviewed and placed within the database: ✓ YES _____ NO

Date entered within the database: 1/14/92

Entered by (name) JW

HM25

Associated Environmental Systems, Inc.

PP.O. Box 80427
Bakersfield, CA 93380
(805) 393-2212

AES - SYSTEM II
PRECISION TANK & LINE TEST RESULTS SUMMARY

Invoice Address:

TEXACO USA
10 UNIVERSAL CITY PLAZA
UNERVASAL CITY, CA.

Tank Location:

TEXACO
I-5 & GRAPEVINE
LEBEC, CA

W.O.#: 15865

I.D. Number:
Technician: JDF
Tech.#: 91211 Van#: 8111

Date: 12-07-91 Time Start: 08:00 End: 16:30 County: KE
Facility Phone#: 805-322-4774 Groundwater Depth: 220"+ Blue Prints: NA
Contact: FRED LONG Date;Time system was filled: 11-225-91 12:00

Tank	Tank Capacity	Product	Tank	Fill/Vent Vapor Lines	Product Line	Type Of Vapor Recovery	Inches of Water/Tank	Pump Type	Tank Material
1	8000	S/UL	PASS	PASS	PASS	PH-2	0	TURB	DWF
2	10000	R/UL	PASS	PASS	PASS	PH-2	0	TURB	DWF
3	12000	R/UL	PASS	PASS	PASS	PH-2	0	TURB	DWF
4	10000	DSL	PASS	PASS	PASS	PH-1	0	TURB	DWF
5	12000	REG	PASS	PASS	PASS	PH-2	0	TURB	DWF

Additional Information:
NO LEAK DETECTORS INSTALLED

SITE LOG	TIME
Set Up Equip:	08;00
Bled Product Lines:	08;15
Bled Vapor Lines:	08:30
Bled Vent lines:	08:35
Bled Turbine:	08:45
Bled Suction Pump:	N/A
Risers Installed:	NO

a) This system and method meets the criteria set forth in NFPA #329.
b) Any failure listed above may require further action, check with all regulatory agencies.

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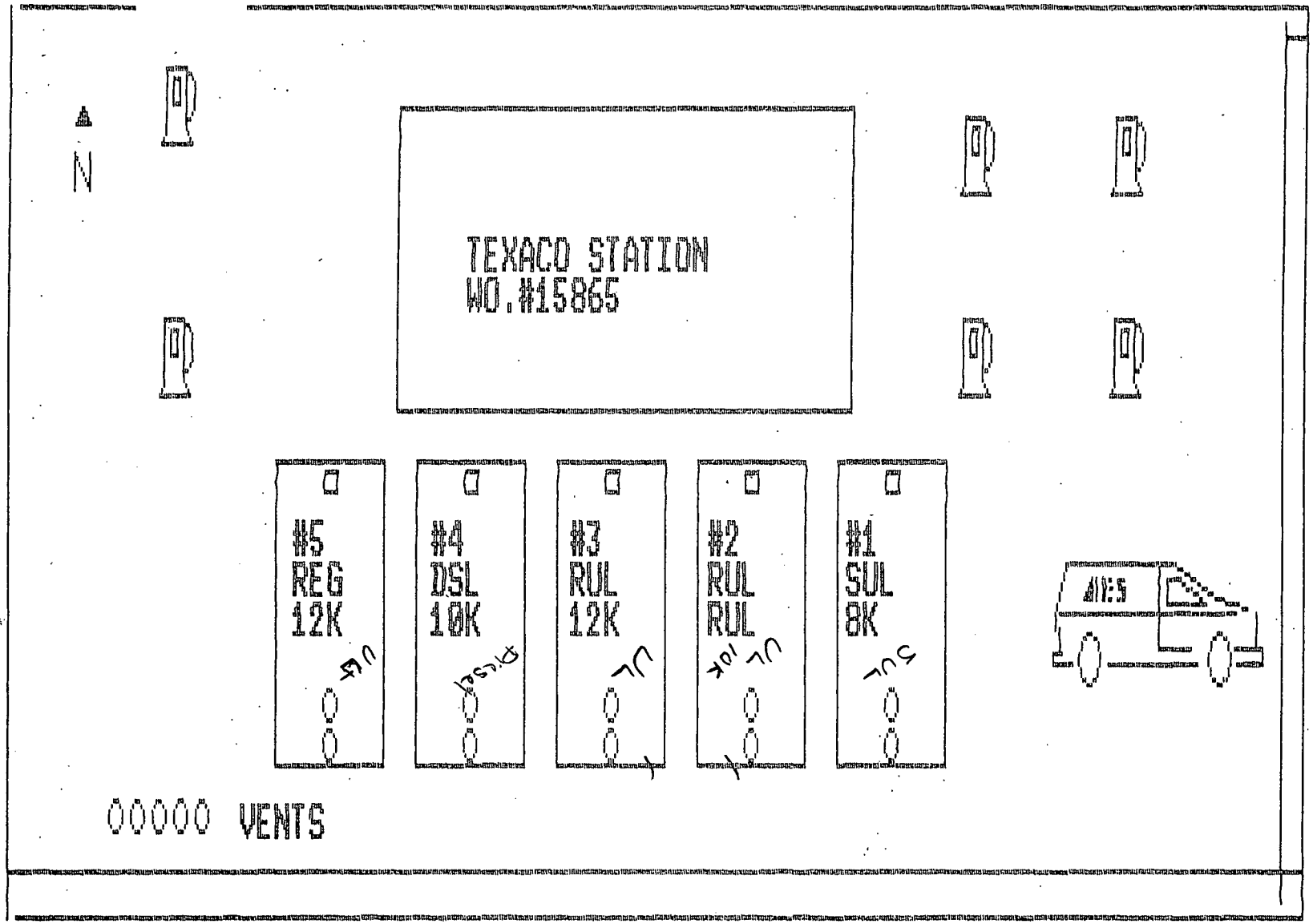
California O.T.T.L. Number : 94-1484

Certified Technician Signature : [signature] Date : 12-05-91

ASSOCIATED ENVIRONMENTAL SYSTEMS

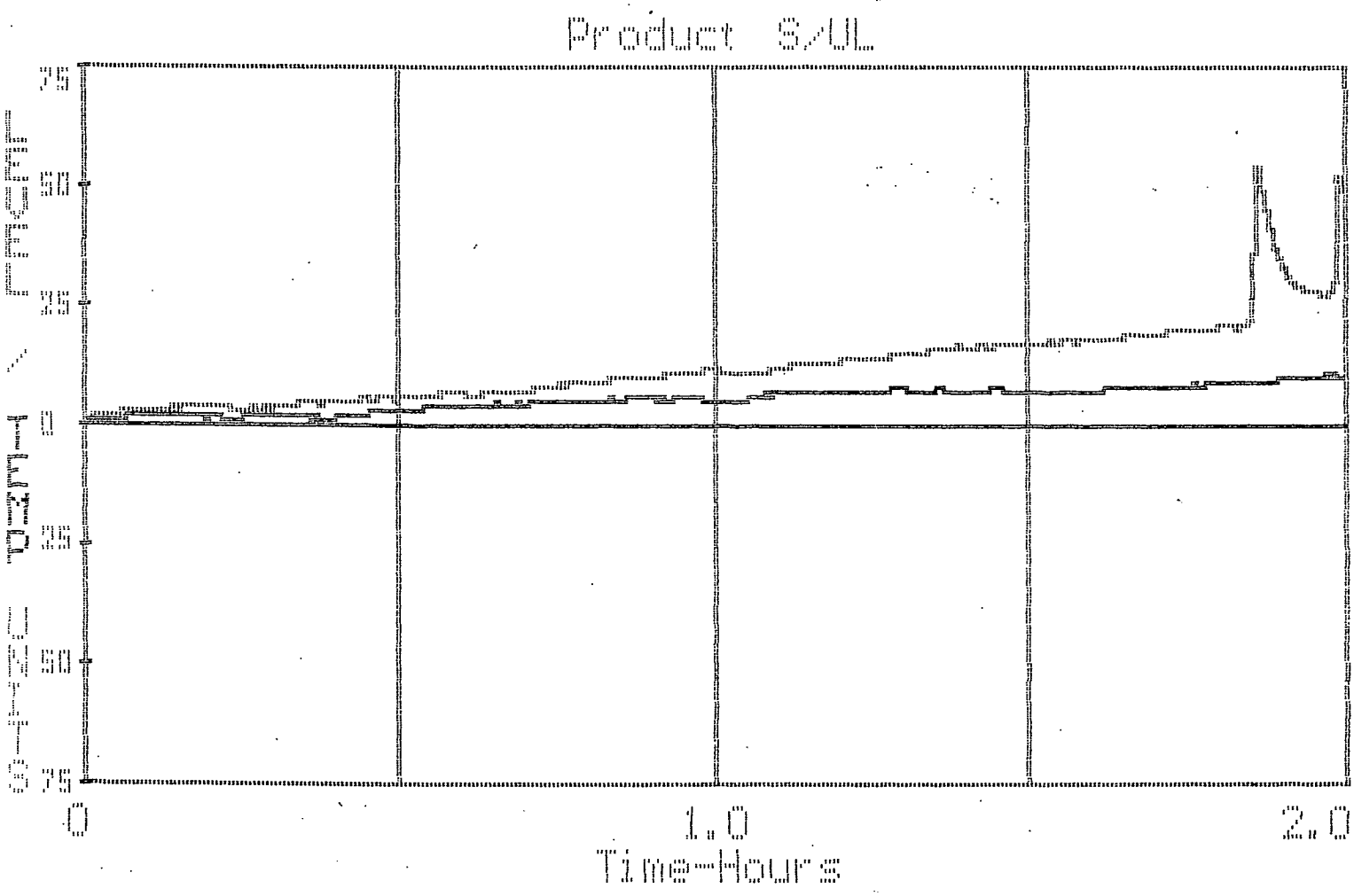


Site Layout For : TEXACO I-5 & GRAPEVINE LEBEC, CA.

Associated Environmental Systems, Inc.
P.O. Box 80427 Bakersfield, CA 93380 (805) 393-2212

AES/System II Precision leak Test Graph

Invoice No.: 15865 Date: 12/07/91 Time : 11:08:45
Technician: JDF Tank: 1 Tank Diameter(in): 93
Volume(gal): 8000 Grade Level(in): 00 Product Level(in): 198
Water Level On Tank(in): 0
Specific Gravity: 0.75 Coefficient Of Expansion: 0.0006604
Calibration Value(ml): 400 Channel: 3
Level Segment From: 20 To 70 Temp Segment From: 65 To 145



Change In Calibration Zone = 16 Calibration Unit(gal/unit) = 0.00650
Starting Temperature (F): 73.526 Head Pressure(col/in (Btm)): 148.5
Surface Area(sq. in): 150.1 Temp. Change(F/h) : 0.031

Level volume(gph): 0.19
Temp. volume(gph): 0.16 Product Line(gph): -.0
Net change(gph) : 0.03

==========

Result --->PASS P/L ---> PASS

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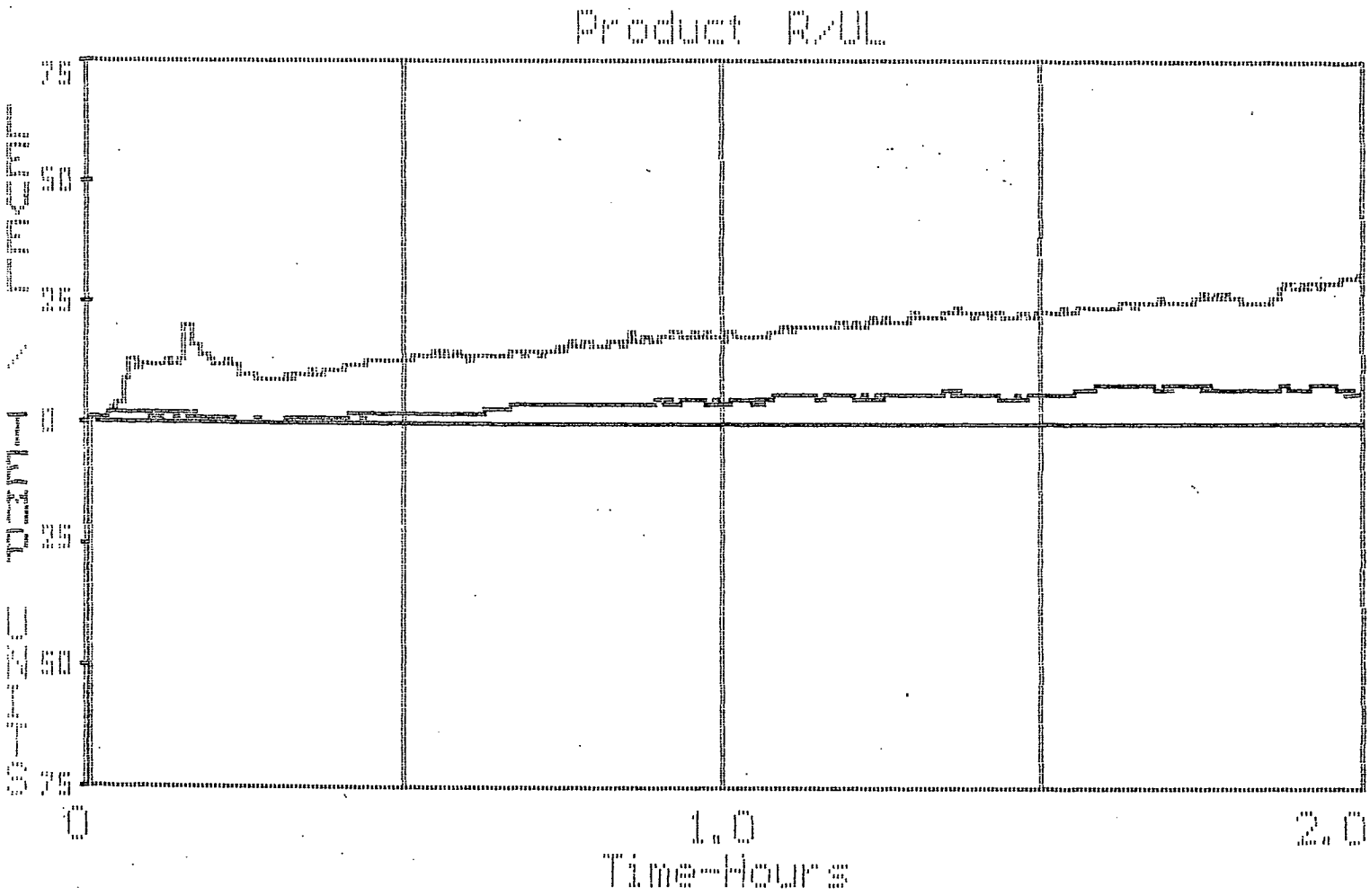
** Notes **

TEXACO I-5 & GRAPEVINE LEBEC, CA.
THIS IS A HIGH LEVEL TEST WITH A 2X CAL.

Associated Environmental Systems, Inc.
P.O. Box 80427 Bakersfield, CA 93380 (805) 393-2212

AES/System II Precision leak Test Graph

Invoice No.: 15865a Date: 12/07/91 Time : 13:37:34
Technician: JDF Tank: 2 Tank Diameter(in): 94
Volume(gal): 10000 Grade Level(in): 205 Product Level(in): 203
Water Level On Tank(in): 0
Specific Gravity: 0.75 Coefficient Of Expansion: 0.0006679
Calibration Value(ml): 400 Channel: 2
Level Segment From: 25 To 100 Temp Segment From: 50 To 125



Change In Calibration Zone = 12 Calibration Unit(gal/unit) = 0.00867
Starting Temperature (F): 58.652 Head Pressure(col/in (Btm)): 152.2
Surface Area(sq. in): 200.2 Temp. Change(F/h) : 0.038

Level volume(gph): 0.24
Temp. volume(gph): 0.25 Product Line(gph): -.01
Net change(gph) : -0.01

==========

Result --->PASS P/L --> PASS

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** Notes **

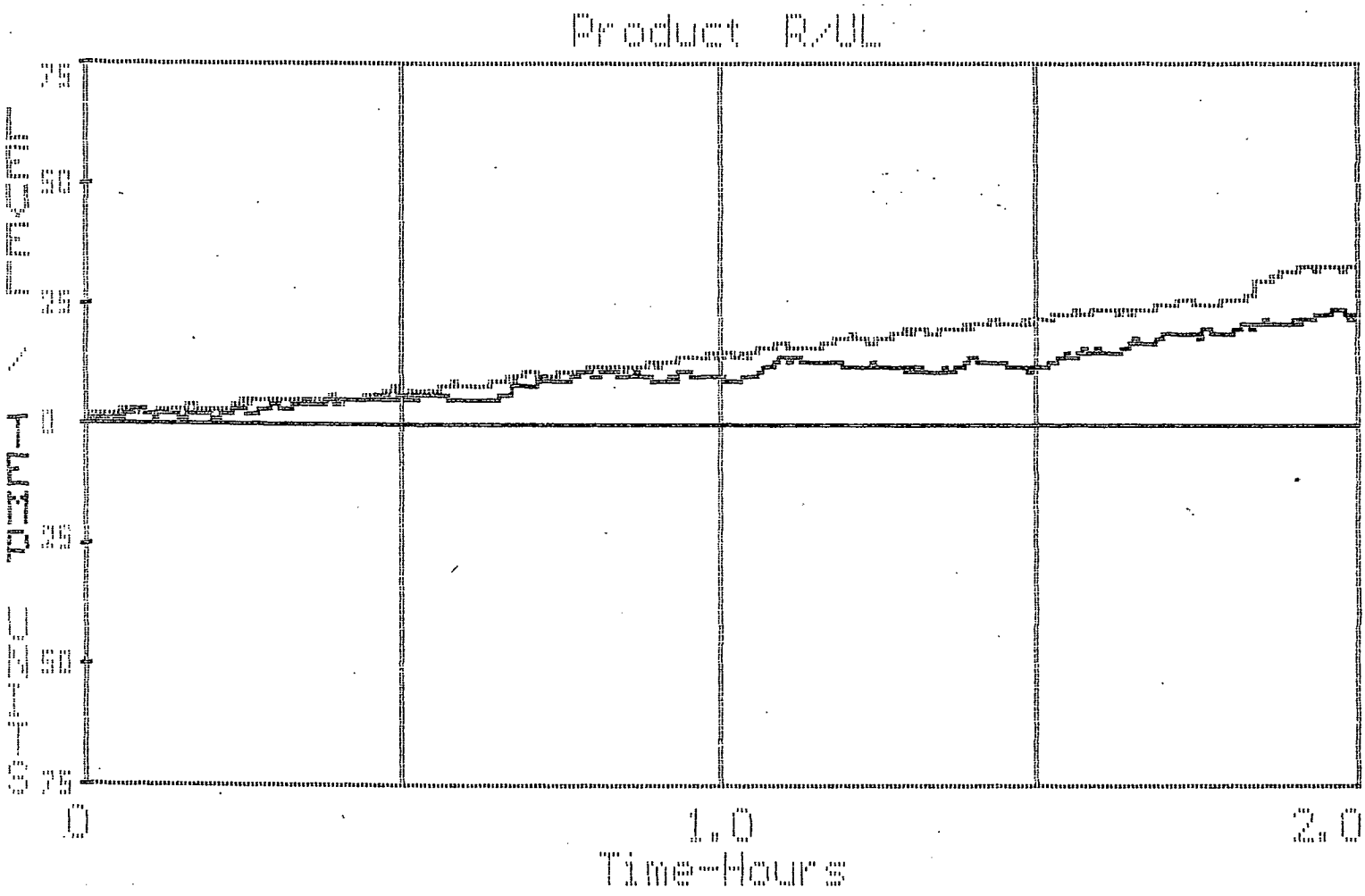
TEXACO I-5 & GRAPVINE LEBEC, CA.
THIS IS A HIGH LEVEL TEST WITH A 2X CAL.
THIS IS A 2HR. TEST

Associated Environmental Systems, Inc.

P.O. Box 80427 Bakersfield, CA 93380 (805) 393-3212

AES/System II Precision leak Test Graph

Invoice No.: 15865 Date: 12/07/91 Time : 11:08:45
Technician: JDF Tank: 3 Tank Diameter(in): 94
Volume(gal): 12000 Grade Level(in): 209 Product Level(in): 207
Water Level On Tank(in): 0
Specific Gravity: 0.75 Coefficient Of Expansion: 0.0006582
Calibration Value(ml): 400 Channel: 1
Level Segment From: 1 To 75 Temp Segment From: 225 To 300



Change In Calibration Zone = 7 Calibration Unit(gal/unit) = 0.01486
Starting Temperature (F): 76.491 Head Pressure(col/in (Btm)): 155.2
Surface Area(sq. in): 343.2 Temp. Change(F/h) : 0.066

Level volume(gph): 0.56
Temp. volume(gph): 0.52 Product Line(gph): -.0
Net change(gph) : 0.04
==========

Result --->PASS P/L ---> PASS

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** Notes **

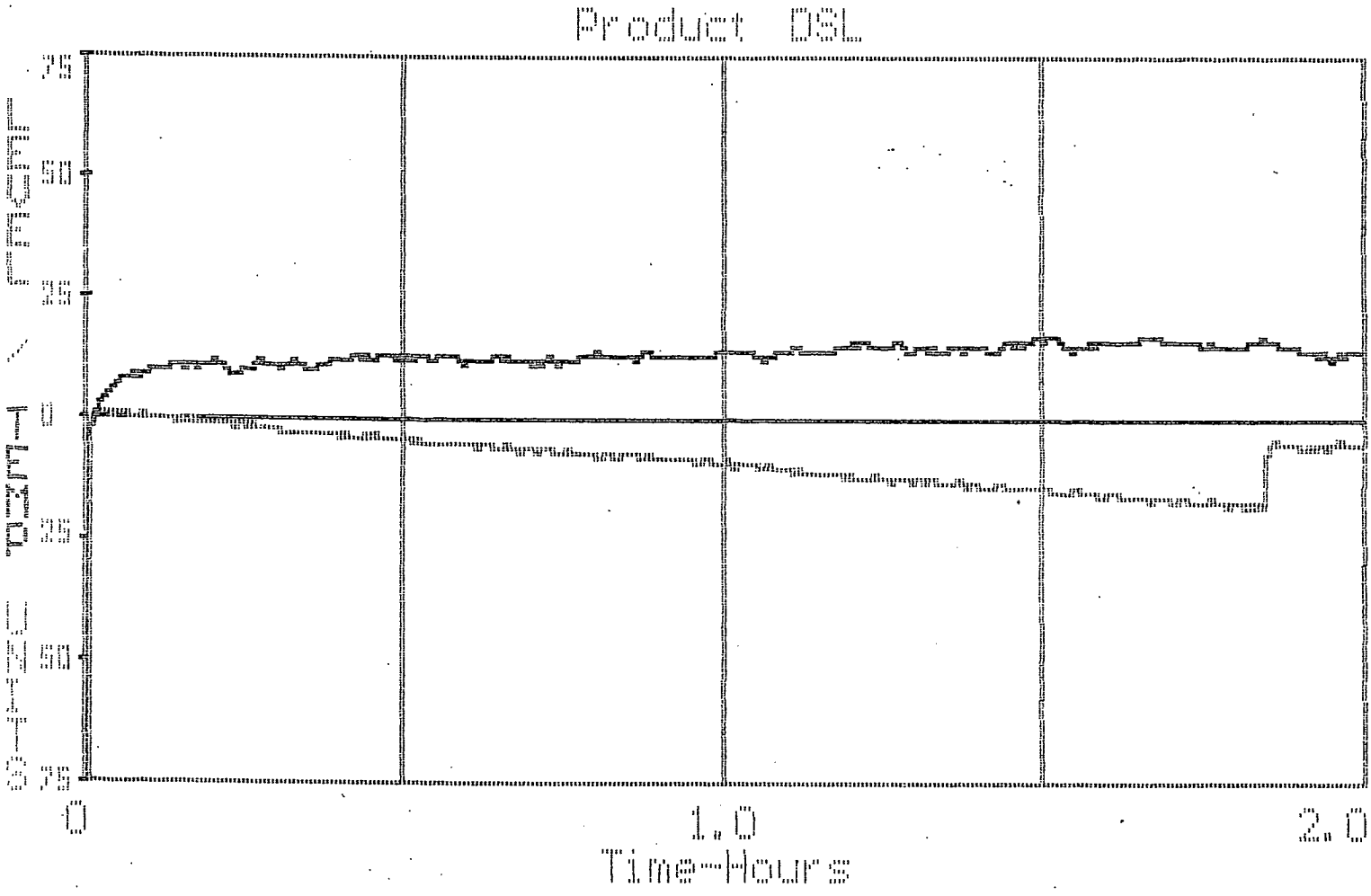
TEXACO I-5 & GRAPEVINE LEBEC, CA.
THIS IS A HIGH LEVEL TEST WITH A X CAL.
THIS IS A 22HR. TEST.

Associated Environmental Systems, Inc.

P.O. Box 80427 Bakersfield, CA 93380 (805) 393-2212

AES/System II Precision leak Test Graph

Invoice No.: 15865a Date: 12/07/91 Time : 13:37:34
Technician: JDF Tank: 4 Tank Diameter(in): 94
Volume(gal): 10000 Grade Level(in): 200 Product Level(in): 198
Water Level On Tank(in): 0
Specific Gravity: 0.85 Coefficient Of Expansion: 0.0004586
Calibration Value(ml): 400 Channel: 1
Level Segment From: 1 To 150 Temp Segment From: 1 To 300



Change In Calibration Zone = 13 Calibration Unit(gal/unit) = 0.00800
Starting Temperature (F): 74.307 Head Pressure(col/in (Btm)): 168.3
Surface Area(sq. in): 163.1 Temp. Change(F/h) : 0.011

Level volume(gph): 0.05
Temp. volume(gph): 0.05 Product Line(gph): -.01
Net change(gph) : 0.00

==========

Result --->PASS P/L ---> PASS

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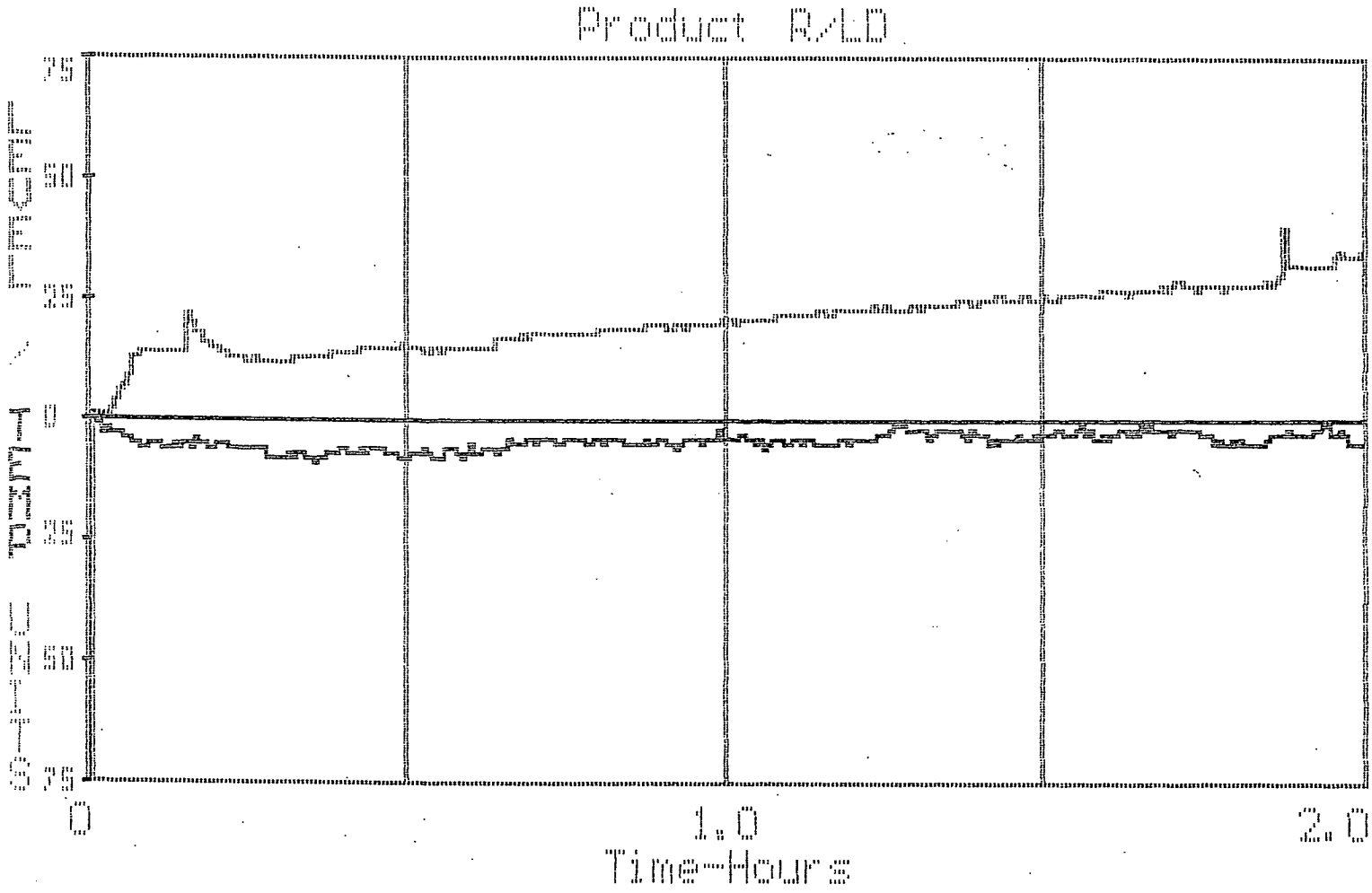
** Notes **

TEXACO I-5 & GRAPVINE LEBEC, CA.
THIS IS A HIGH LEVEL TEST WITH A 2X CAL.
THIS IS A 2HR. TEST.

Associated Environmental Systems, Inc.
P.O. Box 80427 Bakersfield, CA 93380 (805) 393-2212

AES/System II Precision leak Test Graph

Invoice No.: 15865a Date: 12/07/91 Time : 13:37:34
Technician: JDF Tank: 5 Tank Diameter(in): 94
Volume(gal): 12000 Grade Level(in): 205 Product Level(in): 203
Water Level On Tank(in): 0
Specific Gravity: 0.75 Coefficient Of Expansion: 0.0006636
Calibration Value(ml): 567 Channel: 3
Level Segment From: 22 To 100 Temp Segment From: 75 To 150



Change In Calibration Zone = 12 Calibration Unit(gal/unit) = 0.01228
Starting Temperature (F): 67.611 Head Pressure(col/in (Btm)): 152.2
Surface Area(sq. in): 283.8 Temp. Change(F/h) : 0.014

Level volume(gph): 0.12
Temp. volume(gph): 0.10 Product Line(gph): -.0
Net change(gph) : 0.02

==========

Result ---> PASS P/L ---> PASS

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** Notes **

TEXACO I-5 & GRAPVINE LEBEC, CA.
THIS IS A HIGH LEVEL TEST WITH A 2X CAL.
THIS IS A SUB TEST

Associated Environmental Systems, Inc.
P.O. Box 80427
Bakersfield, CA 93380
(805)-393-2212

Invoice Number 15865

HYDROSTATIC PRODUCT LINE TEST WORK SHEET

TEST NO.	PRODUCT	START TIME	END TIME	START VOL. (ML)	END VOL. (ML)	TEST VOL. DIFF. (ML)
1	R/UL	08:00	08:15	170	160	-.01
2	S/UL	0825	08:40	150	150	-.0
3	DSL	12:00	12:15	140	130	-.01
4	R/LD	10:00	10:15	160	160	-.0

Divide the volume differential by the test time (15 minutes) and multiply by 0.0158311, which will convert the volume differential from milliliters per minute to gallons per hour.

The conversion constant is found by :

(60 min/hr)/(3790 ml/gal) = 0.0158311 (min/hr) (gal/ml)

The conversion constant causes the milliliters and minutes to cancel out.

Ex. If the level dropped 3ml in 15 minutes then:

3/15 ml./min. X 0.0158311 (min/hr) (gal/ml) = 0.003 gal/hr.

RESULTS OF THIS WORK SHEET TO BE COMPILED ON RESULTS SHEET.

RESOURCE MANAGEMENT AGENCY

RANDALL L. ABBOTT
DIRECTOR

DAVID PRICE III
ASSISTANT DIRECTOR

Environmental Health Services Department
STEVE McCALLEY, REHS, DIRECTOR

Air Pollution Control District
WILLIAM J. RODDY, APCO

Planning & Development Services Department
TED JAMES, AICP, DIRECTOR

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

PERMIT FOR THE PERFORMANCE OF A TANK INTEGRITY TEST ON UNDERGROUND STORAGE TANKS LOCATED AT THE LISTED FACILITY

PERMIT NUMBER: T0057

FACILITY NAME/ADDRESS:	OWNER(S) NAME/ADDRESS:	TESTING COMPANY:
Texaco Station #61-058-0050 Grapevine & I-5 Lebec, CA 93243	Texaco USA 10 Universal City Plaza Universal City, CA 91608-1097	Associated Environmental Systems, Inc. P. O. Box 80427 Bakersfield, CA 93380
Phone: (805) 322-4774	Phone: (818) 505-2139	Phone: (805) 393-2212

STATE-CERTIFIED TESTING METHOD EMPLOYED AES System II

STATE-LICENSED TESTER Tony Kiani

STATE-LICENSED TESTER'S #91-1049

PERMIT FOR THE PERFORMANCE OF A TANK INTEGRITY TEST ON 4 TANK SYSTEM(S) AT THE ABOVE LOCATION

PERMIT EXPIRES March 11, 1992

APPROVAL DATE December 11, 1991

APPROVED BY _____
Chris Finberg
HAZARDOUS MATERIALS SPECIALIST

POST ON PREMISES.

CONDITIONS AS FOLLOWS:

1. It is the responsibility of the Permittee to obtain permits which may be required by other regulatory agencies prior to beginning work (i.e., City Fire and Building Departments).
2. Permittee must notify the Hazardous Materials Management Program at (805) 861-3636 twenty-four hours prior to tank integrity test to allow the Hazardous Material Specialist the option of performing a spot check inspection.
3. Tank integrity test must be per Kern County Environmental Health- and Fire Department-approved methods as described in Handbook UT-20.
4. It is the state-licensed tester's responsibility to know and adhere to all applicable laws regarding the handling of hazardous materials.
5. The tank integrity testing company must have the state-licensed tester listed on the permit on site performing the test.

PERMIT FOR THE PERFORMANCE OF A TANK INTEGRITY TEST ON UNDERGROUND STORAGE TANKS LOCATED AT THE LISTED FACILITY

PERMIT NUMBER T0057
ADDENDUM

6. If any tester other than the one listed on the permit and permit application is to be utilized, prior approval must be granted by the specialist listed on the permit. Deviation from the submitted application is not allowed.
7. A modification permit must be obtained from the department prior to exposing the tank to retest or investigating a release or failed integrity test.
8. The following timetable lists pre- and post-tank integrity test requirements:

ACTIVITY	DEADLINE
Complete permit application submitted to the Hazardous Material Management Program	At least one week prior to tank integrity test
Notification to the specialist listed on permit of date and time of the tank integrity test	24 hours
Send written results of a test to the specialist listed on the permit	No later than 30 days after testing is completed
Notification to the specialist listed on the permit of the results of a failed/inconclusive test	No later than 24 hours after completion of analysis

RECOMMENDATIONS/GUIDELINES FOR THE PERFORMANCE OF A TANK INTEGRITY TEST ON UNDERGROUND STORAGE TANKS

This department is responsible for enforcing the state laws pertaining to underground storage tanks. Representatives from this department perform spot check inspections to ensure that the job performance is consistent with permit requirements, applicable laws, and safety standards. The following guidelines are offered to clarify the interests and expectations of this department.

1. Job site safety is one of our primary concerns. Tank integrity tests are inherently dangerous. It is the tester's responsibility to know and abide by CAL-OSHA regulations. The state-licensed tester is responsible for any other testing company employees on the job site. Tools and equipment are to be used only for their designed function.

2. Properly state-licensed testers are assumed to understand the requirements of the permit issued. The tester is responsible for knowing and abiding by the conditions of the permit. Deviation from the permit conditions may result in a stop-work order.

3. The testing company will be held responsible for the post-test paperwork. Analyses documentation is necessary for each site in order to close a case file or move it into mitigation. When testers do not follow through on necessary paperwork, an unmanageable backlog of incomplete cases results. If this continues, processing time for completing new tank integrity tests will increase.

Accepted by: _____ 12/17/91
OWNER OR AGENT — DATE

CF:cas

(t0057-h.m34)

Associated Environmental Systems, Inc.
P.O. Box 80427
Bakersfield, CA 93380
(805)-393-2212

RECEIVED
AUG 12 1991

BILLING ORDER

Invoice Number 14898

INVOICE ADDRESS:	TANK LOCATION:	Taken by:
Texaco USA 10 Universal City Plaza Universal City, CA 91608	Texaco Stn Grapevine / I-5 Lebec, CA	Date taken: Salesman: Terr: Technician: DY County: KE Co. Notified: P.O. #: 1103783
Contact: Fred Long	Contact: Steve Beazley	Test Date: 07-24-91
Phone: 818-505-2483	Phone: 805-322-4774	Test Time: 1300

EMERGENCY CONTACT: PHONE:

HYDROSTATIC PRODUCT LINE TEST RESULT SHEET

PRODUCT	START VOLUME	END VOLUME	TEST PRESSURE	VOLUME DIFF. (GPH)	PASS/FAIL
REGULAR	186	186	50psi	0.000	PASS
S/UL	124	122	50psi	0.002	PASS
R/UL	190	162	50psi	0.028	PASS
DIESEL	64	56	50psi	0.008	PASS
OTHER					
CONFIRMATION TEST IF FIRST FAILED					

TEST PRESSURE IS 50 PSI WITH LEAK DETECTOR REMOVED & IMPACT CLOSED.

IMPACT VALVE OPERATION CHECK

DATE 07-24-91 WORK ORDER 14898 TECH. DY

STREET ADD. Grapevine / I-5

CITY Lebec, CA

WIC # N/A

DISPENSER #	R/UL	S/UL	~~REG~~	IMPACT VALVE CLOSES WHEN DELATCHED MANUALLY	YES	NO
1/2		X	DSL		✓	
3/4	X	X			✓	
5/6	X		REG		✓	
7/8		X	DSL		✓	
9/10	X		REG		✓	
11/12	X		REG		✓	

EXPLAIN ANY "NO" CHECKED

9068 GRAPEVINE ROAD WEST

FORMER UNION OIL STATION #4734

KERN COUNTY ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

INVESTIGATION RECORD

OWNER _____

DBA _____ ADDRESS _____

ADDRESS OF VIOLATION: _____

ASSESSORS' PARCEL # _____ CT _____

SPECIALIST/TECHNICIAN: _____

CHRONOLOGICAL RECORD OF INVESTIGATION

DATE	TIME (HR)	NARRATIVE
11/3/92		Review of soil sample results, reopen site to C.O.L.T based on dispenser samples Prep 65 + L.R. completed

KERN COUNTY ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

INVESTIGATION RECORD

OWNER _____

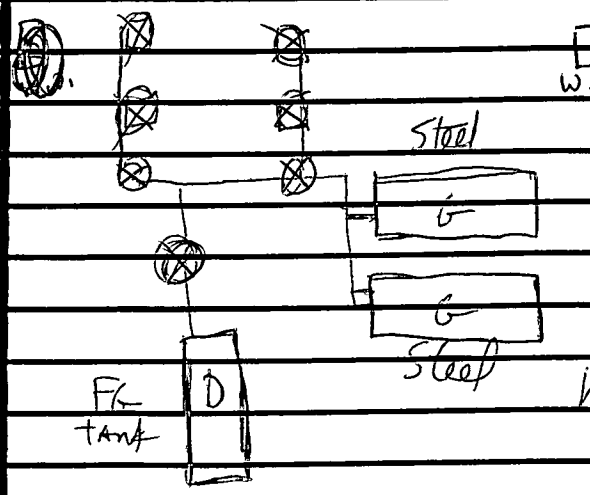
DBA _____ ADDRESS _____

ADDRESS OF VIOLATION: _____

ASSESSORS' PARCEL # _____ CT _____

SPECIALIST/TECHNICIAN: _____

CHRONOLOGICAL RECORD OF INVESTIGATION

DATE	TIME (HR)	NARRATIVE
10/8/92		Pre-Removal Sampling Inspection.
		Appointment made by Blair Redfern of GeoResearch after being informed of extra inspection billing
		poking.
		LV for site 9:30 arrive 10 hrs - LV site 11:30 arrive tom 12:30
		
		odor & contamination noted at site. staining present in soil heavier in shallow samples, decreasing w/ depth. 2' & 6' samples obtained at marked
10/9/92		Removal Inspection 4 tanks removed
		Diesel O_2 = 5%
		Nath Gas = O_2 2%
		Sand Gas = O_2 0%
		Waste Oil = O_2 0%
		soil staining & odor present in east end of gasoline tanks only.
		Fiberglass tank crushed on site for removal to landfill

KERN COUNTY ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

INVESTIGATION RECORD

OWNER _____

DBA _____ ADDRESS _____

ADDRESS OF VIOLATION: _____

ASSESSORS' PARCEL # _____ CT _____

SPECIALIST/TECHNICIAN: _____

CHRONOLOGICAL RECORD OF INVESTIGATION

DATE	TIME (HR)	NARRATIVE
6/15/92	1	Faxed ~~incomplete~~ applicatin to Ivan Sandoval of A+S Engineering, with list of Additions needed Time Spent reviewing app + making list
		Waiting for response.
6/30/92	.1	Called J. Sandoval (Spoke w/ one of his associates) to inqure about status of tank removal application.
7/21/92	1	Have not gotten any response from Ivan Sandoval. Called Tommy w/ B+T to check status of project
		Ivan Sandoval (or Ahmed) w/ A+S Engineering (818) 842-3644
		B+T will not be involved w/ project
		Talked to Ivan Sandoval
7/28/92		Permit sent downstairs for issue Wegener agent
9/23/92	.2	Ph. Conv. w/ Ivan Sandoval, he had question about permit status, I told him permit had been issued to Wegener on 8/7/92.

KERN COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

INVESTIGATION RECORD

DBA _____

OWNER _____ ADDRESS _____

ADDRESS _____

ASSESSORS' PARCEL # _____ CT _____

CHRONOLOGICAL RECORD OF INVESTIGATION

DATE	
1/16/92	Completed Prop 65 report for Leak Report submitted by Geo Research. See file.
	- checked on broken V.R line on site - all seems o.K. - no evidence of fuel release - line was cut the same way as before, during borings on site. No modificat' permit needed for repair.
1/29/92	Rec'd soil sample results from modification sampling all clear. Waiting for official T.I. Test results from Underground Tank Testers
3/20/92	Called Dennis Gooden to request official results from Modification.
3/23/92	Rec'd results from Gooden - same as previously submitted.
6/8/92	Rec'd Tank removal application. Several deficiencies. Called Logan Frame w/ Unocal, he will have someone handling this project call me.
6/12/92	Called Jean Sandoval to discuss application deficiencies Review of file prior to call. Left MSG. w/ Secretary will need new appl., new drawings w/ sampling points labelled.

KERN COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

INVESTIGATION RECORD

DBA _____

OWNER _____ ADDRESS _____

ADDRESS _____

ASSESSORS' PARCEL # _____ CT _____

CHRONOLOGICAL RECORD OF INVESTIGATION

DATE	
1/8/92	6 pm Tightness test of UL product line in progress, however air in ~~lines~~ line needs to be purged, will take estimated 2 hours. so I cannot stay for duration. Instructed Contractor (Chuck Baily) to fax results into office @ 800 if test passed + we will OK operation at that time provided site is paved + leak detection is in working order.
1/9/92	Rec'd fax from FIBERCO - line leak report indicates tight line. Spoke w/ Charles Baily he said test ended @ 10:30 pm. Air needed to be purged from each UL dispenser We have documentation that line leak detection is intact + working order, + line is tight + verbal statement that area has been paved.

KERN COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

INVESTIGATION RECORD

DBA _____

OWNER _____ ADDRESS _____

ADDRESS _____

ASSESSORS' PARCEL # _____ CT _____

CHRONOLOGICAL RECORD OF INVESTIGATION

DATE	
1/7/92	Met w/ Gary of FHEMCO to discuss inspection & permit requirements w/ Amy Green. @ 9 AM
	~~Attempt~~ Site inspection w/ Brian Pitto @ 10:30 am to verify that no unpermitted work had occured.
	Permit issued upon return to office once All American Trenching had been specified as general contractor.
	Faxed copy of Permit to Jeff Adolf of GeoResearch 209 264 0444
	Attempted to perform sampling inspection @ 4:00 pm however freeway closed due to weather.
1/8/92	Performed soil sampling inspection 8-10 AM Verified All American Trenching's presence
	Sample obtained with hollow stem auger at 6' depth photos taken.
1/8/92	2:45 - [redacted] Pipeline integrity test inspection.
	- Pipeline leak at repair point upon filling line w/ fuel must do another repair
	4:15 pm Pipeline leaks again upon filling w/ fuel at coupling, once tightened, the coupling held + T.I.T could be tried

KERN COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

INVESTIGATION RECORD

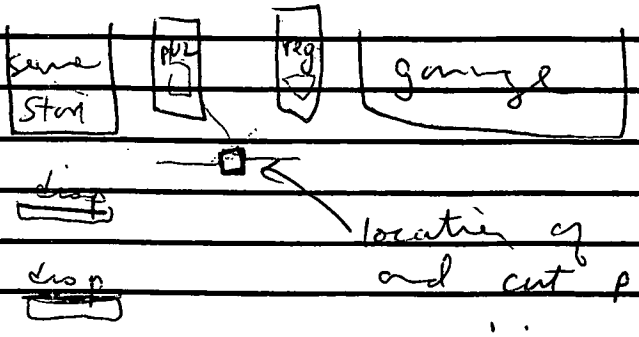
DBA _____

OWNER _____ ADDRESS _____

ADDRESS _____

ASSESSORS' PARCEL # 330097. CT _____

CHRONOLOGICAL RECORD OF INVESTIGATION

DATE	
1/6/92	Site Inspection — GEO TEST Environ & Spectrum Exploration Saw Cutting for vadose zone boring cut into ~~natural~~ FG product line approx 6" below surface. Flow has stopped - emerg shut-off Cutting took place apparently 12:00 - according to driller near the 10,000 gallon regular tank ← North.  Notice of recommendation given to station mgr. copy in file

KERN COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

INVESTIGATION RECORD

DBA _____

OWNER _____ ADDRESS _____

ADDRESS _____

ASSESSORS' PARCEL # _____ CT _____

CHRONOLOGICAL RECORD OF INVESTIGATION

DATE	
1/6/92	Arrived in office from field work about 1:30 pm and was informed that there was a situation at the Union 76 at the grapevine involving a broken pipeline and that repairs were expected to be done very soon pending ~~as~~ issuance of modification ~~ap~~ permit. Amy informed me that FHEMCO would be faxing an application and messengering over payment for MODIFICATION PERMIT. In an effort to expidite the permitting process I started to check the credentials of FHEMCO to conduct this work, knowing that as of Jan 1, 1992 there is a haz substance requirement for contractors my calls to Mr. Dale Stewart (916 366 5205) of CSLB confirmed that 1. The Haz. Subs cert. was required for this work. 2. FRANZEN HILL has no such certification FHEMCO Does have A, B + C61 LISC's Amy then called FHEMCO to clarify + was told that - DAVID DEVER has the necessary certification. Another call to the CSLB confirmed that D.H Dever is certified however he is listed as a separate contracting co. with a B Liscence only, we have no evidence that he is an employee of FHEMCO.
	At approx 300 Brian Pitts + 1 (chris Finberg) left office to inspect the damage to pipeline + how to best secure the area

D.H. Dever - LISC # B 368383 HAZ

DON PRINCE - A. OSMITH 9+274

KERN COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

INVESTIGATION RECORD

DBA Union Oil Co. SS#4734

OWNER _____ ADDRESS _____

ADDRESS _____

ASSESSORS' PARCEL # _____ CT _____

PTO# 330097

CHRONOLOGICAL RECORD OF INVESTIGATION

DATE	
1-6-92	I received a call from RLW's Bud McDabe asking whether they could replace a section of product pipe which had been damaged. They stated that the damaged piperun was located at the Unical at I-5 & the grapevine. RLW had not obtained their Hazardous Waste certification on their contractors license, so Bud was told that he could not bid or perform work on installation of the piperun. AEG
1-6-92	I received a page to call the office at 12:40pm. I talked to Terry Grey who stated that he had received a call from Frazen Hill & talked to Diane - 209-688-2977 (3014) She told him the Frazen Hill had been contracted to repair a section of piping at the Unical at I-5 & the grapevine. She was calling to advise us & obtain info. on the permit requirements. She wanted to dispatch a crew to the site to begin repair. Terry Grey was told to call her & tell her that

1

KERN COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

INVESTIGATION RECORD

DBA_____

OWNER_____ ADDRESS_____

ADDRESS_____

ASSESSORS' PARCEL #_____ CT_____

CHRONOLOGICAL RECORD OF INVESTIGATION

DATE	
4-6-92	modification a permit was required & that work could not begin without the permit. He called her back, then had me paged again, to say that she (Diane) said that the site was an explosion hazard and that work must be initiated immediately. Thinking back on previous problems, I did not see where their request warranted approval of work before reviewing their plans & ensuring that they were appropriately licensed for such work. I called Diane III and told her & Chris that they must obtain a permit before any work could be initiated. I told her that she could FAX the application, but the fee would have to be obtained before any review/permit could be issued. She agreed to FAX the application. I also stated that I would talk to the Unical Rep & explain the requirements. Chris gave me his Unical contact Victor Steele at (415) 277-2314. This ~~was~~ I tried calling this # & got the answering machine for Barbara Mize

(2)

KERN COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

INVESTIGATION RECORD

DBA _____

OWNER _____ ADDRESS _____

ADDRESS _____

ASSESSORS' PARCEL # _____ CT _____

CHRONOLOGICAL RECORD OF INVESTIGATION

DATE	
1-6-92	I left a message for either Barbara Mize or Victor Rizelle to return my call. AEG.
1-6-92	I talked to Chris Finberg ~~that~~ I told him to review the site & prepare to process the AO when received. I also told him to be prepared to go to the site & find out what may have happened there AEG
1-6-92	The AO was received by FAX & Chrys called the Board to determine whether Frazen Hill had a license & Hazardous Waste Certification. He called several times & was told that the company did not have an appropriate license to ~~test~~ replace a section of piping
1-6-92	I called Diane of Frazen Hill & told her of the problem with the license. She said that they could use the license for DH Beiver the owner of the company whose # was 368383. He called the board & they stated that 368383 was a general B which did have a Haz Waste

(3)

KERN COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

INVESTIGATION RECORD

DBA _____

OWNER _____ ADDRESS _____

ADDRESS _____

ASSESSORS' PARCEL # _____ CT _____

CHRONOLOGICAL RECORD OF INVESTIGATION

DATE	
1-6-92	but it was not for Frazen Hill. It was for Diff Dever. Chris F. Obtained this info. I left a message for Diane Will that there was still a problem c the license #.
1-6-92	The telephone number on the application was called for Unical. I left a message for both Victor Rizette & Barbara Mize to call me. XEG
1-6-92	EJ told Chris Tinbera to go out to the site with Brian Pitts & find out what happened. ~~He started that~~ He was also told to issue a Recommendations & Correction form or a Notice of Violation advising the facility of the requirements. XEG
1-6-92	Victor Rizette called me & I told him the problem with the application & suggest a few contractors who had the Hazardous waste certification. He said that he would have to obtain approval to use any contractor who was not cur-

(4)

KERN COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

INVESTIGATION RECORD

DBA _____

OWNER _____ ADDRESS _____

ADDRESS _____

ASSESSORS' PARCEL # _____ CT _____

CHRONOLOGICAL RECORD OF INVESTIGATION

DATE	
1-6-92	on contract with the company. He asked if frozen Hill could sub-contract and he was told that the application must provide the name & license of the contractor who would work at this site. We could not issue a permit to any other contractor. He said he check into this & work out details. He was told that inspectors were in route to the site to issue a notice & see what ~~the site~~ was going on at the site. He stated that this was good. AEG
1-6-92	At ~ 4:30 pm Ralph of Frozen Hill on one other gentleman came in with the check for payment of the application for the permit. The payment was received & I told him of the concern in incorrect information on the application. He called his office to see if he could change the application so that the permit could be processed. He was told by

(5)

KERN COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

INVESTIGATION RECORD

DBA _____

OWNER _____ ADDRESS _____

ADDRESS _____

ASSESSORS' PARCEL # _____ CT _____

CHRONOLOGICAL RECORD OF INVESTIGATION

DATE	
1-6-92	Dave Deker to go on to the site. He told me that Dave told him that he had talked to Randy & that he could go to the site & begin work. I told him that he did not have a permit to do any work & he told me that he had to follow the orders given to him. AEG
1-6-92	I talked to Daphne Washington & Steve McCalley & they stated that a deal had not been made. Daphne had talked to the Contractors Board & they verified that the Hazardous Waste Certification was required. AEG
1-6-92	I talked to Brian Pitts & Chris Imbera. They had gone to the site & issued a notice. They saw a small opening which had been sawcut in the asphalt - utilized by a company called Geotechnics which had drilled into the line. They took pictures & issued a notice AEG

(6)

7/13/88 Unocal Lebec
Required sampling near the southwest dispenser area because of obvious contamination evident

7/19/88 Reived lab analysis results

8/8/88 Reviewed results of soil analysis which indicate high levels of contamination at 6'. Will require further sampling to delineate plume

8/10/88 Discussed sampling protocal ~~for~~ w/ Wayne Harris of Consolidated Testing Labs. Had no answers for the reason in discrepancy depths found. He will be calling back after getting more info

12/29/88 Discussed w/ David Harris the results of the sampling. He advised me that the #1 sample was retrieved from 5 feet under the dispenser. The #2 sample was obtained from the soil pile which had been excavated before they arrived. The contaminated soil was disposed as haz. waste

11/1/91 Visit to facility to investigate existence of unpermitted waste oil tank Fmr. owner Fleetwood Garner
Interview w/ R.J. Rose - operator - he said no operations at garage for 14 yrs
there is a ~~to~~ small manhole at SE corner of garage building. Unable to determine if this is a waste oil tank. the drop tube is curved and could not stick to see if there is a tank

FILE CONTENTS SUMMARY

FACILITY: Union Oil SS# 4734

ADDRESS : Hwy. 99 at Grapevine

PERMIT #: 330097 ENV. SENSITIVITY: NES

Activity	Date	# Of Tanks	Comments
application	6/5/85	4	TO operate
Tightness Test	12/14/86		
application	3/14/88		TO modify
330097M	6/6/88		Modification
application 2	10/9/89		TO modify
application	6/5/92	~~8~~ 4	remove
A1702-33	7/29/92	4	
lab results	10/9/92		
leak report	11/3/92		
Colt Case	11/3/92		

P. Yamamoto

330097C

HUNTER ENVIRONMENTAL SERVICES, INC.

115 DEWALT AVENUE, N.W.
SUITE 400
CANTON, OH 44702
216-453-1800 800-523-4370

FINAL REPORT

leak lokator

TEST RESULTS

DATE OF TEST: 11/20/86

CONTRACT NUMBER:

CUSTOMER: UNO CAL

LOCATION – IDENTIFICATION NUMBER: 4734

NAME:

ADDRESS: 99 Hwy + Grapevine

CITY: LEBEC

STATE: Calif

TEST RESULTS SUMMARY

	SYSTEM PRODUCT	TANK SIZE GALLONS	TANK SIZE DIA/MATL	WATER INCHES	LEAK LOKATOR RESULTS* LEVEL INCHES	ALR GPH	CONCLUSION	RECOMMENDATIONS	LEAK CONCLUSION TEST	TANK
1	SUPER	10,000	95"	0	150 145 114	-.425 -.290 +.040	LEAK LEAK TIGHT	UNCOVER AND INVESTIGATE		
2	UNLEAD	10,000	95"	0	157	-.015	TIGHT	NONE		
3	WASTE OIL	550	48"	0	85"	-.019	TIGHT	NONE		

OTHER INFORMATION

PRODUCT LINES – HYDROSTATIC PRESSURE TEST RESULTS

NO.	SYSTEM PRODUCT	TYPE OF PUMP REMOTE	TYPE OF PUMP SUCTION	# APPLIED	MINUTES APPLIED	PRODUCT LOSS CC'S	PRODUCT LOSS GPH	CONCLUSION/ RESULT
1	SUPER	RJ		50	10			T
2	UNLEAD	RJ		50	10			T

NOTE: On suction systems, **NEVER** put more than 15 psi on any pump system.

OTHER CONTRACTORS, OFFICIALS, CUSTOMER REPRESENTATIVES PRESENT

DETAIL OF TEST RESULTS

NO.	SYSTEM PRODUCT	TEST NO.	TEST LEVEL (INCHES)	TIME CLOCK START	TIME DURATION HRS.-MIN.	LEAK RATE CC/DIV	LEAK RATE CC/MIN	TEMPERATURE COMPENSATION Δ °F	TEMPERATURE COMPENSATION CC/MIN	ABSOLUTE LEAK RATE CC/MIN	ABSOLUTE LEAK RATE GPH	CHECK TEST Y or N
1	SUPER	1	150	9:00	19	1.345	-23.806	+.007	+3.038	-26.844	-.425	y
		2	145	10:20	30	6.000	-19.637	-.003	-1.302	-18.335	-.290	y
		3	114	12:10	28	4.166	+6.438	+.009	+3.906	+2.532	+.040	n
2	UNLEAD	1	157	8:00	22	1.111	-19.109	-.042	-18.151	-.958	-.015	n
3	WASTE OIL	1	85"	7:20	23	1.515	.909	+.158	+2.137	-1.228	-.019	n

* LEVEL – INCHES FROM TANK BOTTOM TO TEST LEVEL
ALR – ABSOLUTE LEAK RATE (MEASURED LEAK RATE – TEMPERATURE COMPENSATION) IN GALLONS PER HOUR
CONCLUSION – NFPA 329 CRITERION OF ±0.05 GPH IS USED TO CERTIFY TIGHTNESS

CERTIFICATION This is to certify that the above described tank systems were tested, using the HUNTER ENVIRONMENTAL SERVICES, INC. LEAK LOKATOR according to all standard operating procedures. Those indicated as tight at full system meet the criterion established by the National Fire Protection Association Pamphlet 329 for Precision Testing.

TESTS CONDUCTED BY		CERTIFIED BY	
TEST VAN NO.: LL-31	TANK TESTING SPECIALIST: MATT R. CROSSON	SIGNATURE: Matt R. Crosson	DATE: 11/20/86
	TANK TESTING SPECIALIST: DAN FELMLY	NAME: MATT R. CROSSON	TITLE: TEAM MANAGER

TANK AND LOCATION DATA

DATE: 11/20/86

CUSTOMER: UNOCAL

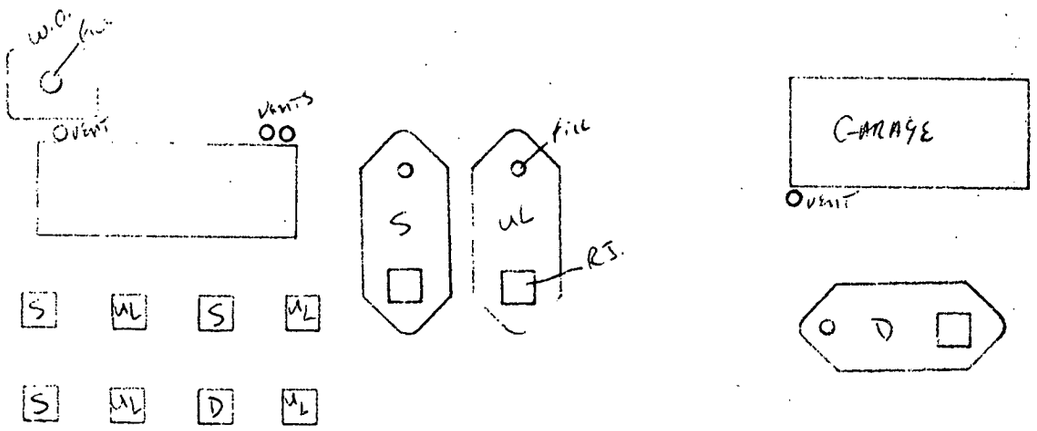
CITY: [illegible]

I.D. # 4734

STATE: Calif

WEATHER	TIME	TEMPERATURE	COMMENTS
BEFORE TEST –			
AFTER TEST –			

SCHEMATIC:



GRAPE VINE

	PRODUCT/TANK NO.	Super		Unleaded		Waste oil					
BEFORE DELIVERY	LEVEL	Fill	Gauge	Fill	Gauge	Fill	Gauge	Fill	Gauge	Fill	Gauge
	GALLONS										
	WATER	⊖		⊖		⊖					
	TOP OF RISER	130"		135"		90"					
	GRADE	135"		141"		98"					
	DROP TUBE	Alum		Alum		NONE					
	CAPACITY, GALLONS	10,000		10,000		550					
	DIAMETER, INCHES	95"		95"		48"					
	MATERIAL	STEEL		STEEL		STEEL					
	PUMP TYPE	RJ		RJ		N/A					
	TYPE OF COVER	Conc		Conc		Conc					
	AGE OF TANK	20+		20+		20+					
	SIPHON	no		no		no					
	TANK OPENINGS	1-4"		1-4"		1-3"					
	EXTRACTORS	no		no		no					
VAPOR RECOVERY	TYPE	Coax		Coax		N/A					
	VENT CONFIGURATION	Single		Single		Single					
	P-V VENT VALVE TYPE	none		none		none					

REPLACEMENT PARTS:

PART #	DESCRIPTION	QUANTITY	PRICE
633 TC 4"	Coax Fill Adpt.	1	47.00
	Functional Element	2	56.00 Each
	Check Valve	1	11.00
	O-Ring Kit	2	3.00 Each

ADDITIONAL CHARGES: (pumpovers, overtime, etc.)

7.5 [illegible]

*Data obtained from ☐ Station ☐ LL Charts ☐ Other 3 hrs Trans

P. Gamamoto pen # 330097C

HUNTER ENVIRONMENTAL SERVICES, INC.

115 DEWALT AVENUE, N.W.
SUITE 400
CANTON, OH 44702
216-453-1800 800-523-4370

FINAL REPORT

leak lokator LD 2000

TEST RESULTS

DATE OF TEST: 12/4/86

CONTRACT NUMBER:

CUSTOMER: UNOCAL

LOCATION – IDENTIFICATION NUMBER: #4734

NAME:

ADDRESS: GRAPEVINE + 99

CITY: LEBEC

STATE: CALIF

TEST RESULTS SUMMARY

	SYSTEM PRODUCT	TANK SIZE GALLONS	TANK SIZE DIA/MATL	WATER INCHES	LEAK LOKATOR RESULTS* LEVEL INCHES	ALR GPH	CONCLUSION	RECOMMENDATIONS	LEAK L CONC TEST	TANK
1	DIESEL	10,000	91"	~~0~~	156"	+.038	TIGHT	none		

OTHER INFORMATION

PRODUCT LINES – HYDROSTATIC PRESSURE TEST RESULTS

NO.	SYSTEM PRODUCT	TYPE OF PUMP REMOTE	TYPE OF PUMP SUCTION	# APPLIED	MINUTES APPLIED	PRODUCT LOSS CC'S	PRODUCT LOSS GPH	CONCLUSION/ RESULT
1	DIESEL	RJ		50 lbs	10 min			TIGHT

NOTE: On suction systems, **NEVER** put more than 15 psi on any pump system.

OTHER CONTRACTORS, OFFICIALS, CUSTOMER REPRESENTATIVES PRESENT

DETAIL OF TEST RESULTS

NO.	SYSTEM PRODUCT	TEST NO.	TEST LEVEL (INCHES)	TIME CLOCK START	TIME DURATION HRS.-MIN.	LEAK RATE CC/DIV	LEAK RATE CC/MIN	TEMPERATURE COMPENSATION Δ °F	TEMPERATURE COMPENSATION CC/MIN	ABSOLUTE LEAK RATE CC/MIN	ABSOLUTE LEAK RATE GPH	CHECK TEST Y or N
1	DIESEL	1	156"	3.00	26	1.145	+9.248	+.027	+6.812	+2.436	+.038	n

* LEVEL – INCHES FROM TANK BOTTOM TO TEST LEVEL
ALR – ABSOLUTE LEAK RATE (MEASURED LEAK RATE – TEMPERATURE COMPENSATION) IN GALLONS PER HOUR
CONCLUSION – NFPA 329 CRITERION OF ±0.05 GPH IS USED TO CERTIFY TIGHTNESS

CERTIFICATION This is to certify that the above described tank systems were tested, using the HUNTER ENVIRONMENTAL SERVICES, INC. LEAK LOKATOR according to all standard operating procedures. Those indicated as tight at full system meet the criterion established by the National Fire Protection Association Pamphlet 329 for Precision Testing.

TESTS CONDUCTED BY		CERTIFIED BY	
TEST VAN NO.	TANK TESTING SPECIALIST: MATT R CROSSON	SIGNATURE: [signature]	DATE: 12/4/86
1L31	TANK TESTING SPECIALIST: D[illegible]	NAME: MATT R CROSSON	TITLE: TEAM MANAGER

TANK AND LOCATION DATA

DATE: 12/4/86

CUSTOMER: UNOCAL

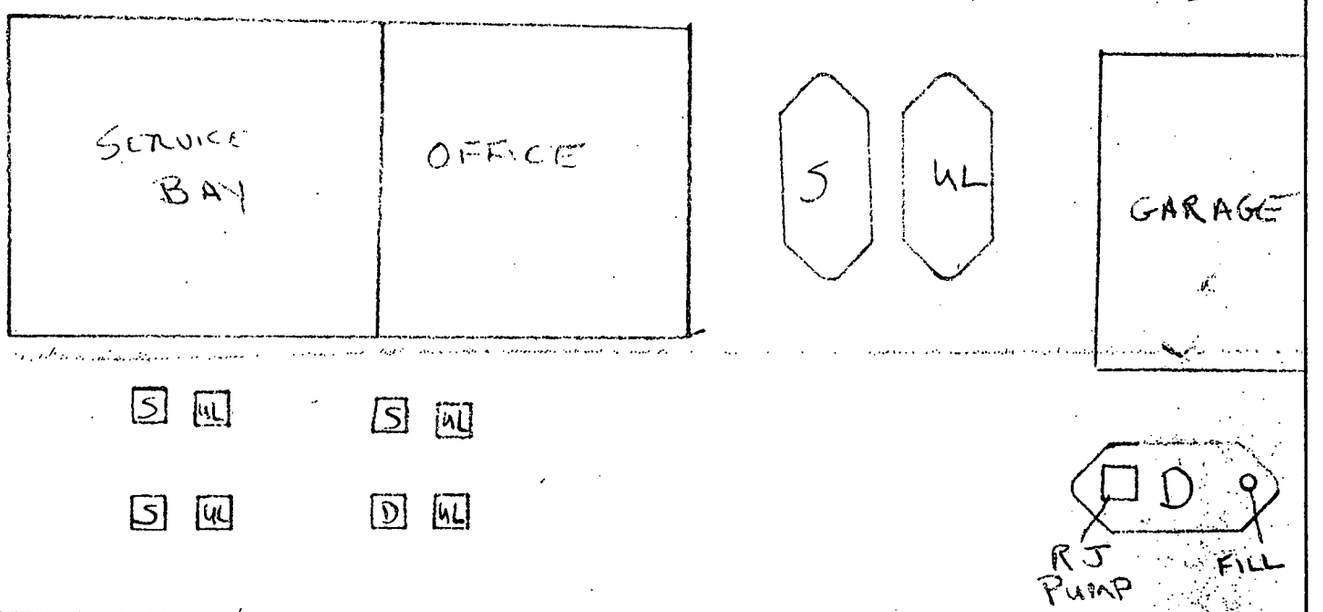
CITY: LEBEC

I.D. # 4734

STATE: CALIF

WEATHER	TIME	TEMPERATURE	COMMENTS
BEFORE TEST –			
AFTER TEST –			

SCHEMATIC:



GRAPEVINE

	PRODUCT/TANK NO.	DIESEL									
BEFORE DELIVERY	LEVEL	Fill	Gauge	Fill	Gauge	Fill	Gauge	Fill	Gauge	Fill	Gauge
	GALLONS										
	WATER	-0-									
	TOP OF RISER	135½									
	GRADE	140½									
	DROP TUBE	ALUM									
	CAPACITY, GALLONS	10,000									
	DIAMETER, INCHES	91"									
	MATERIAL	FIBERGLASS									
	PUMP TYPE	RJ									
	TYPE OF COVER	CONC.									
	AGE OF TANK	4 YRS									
	SIPHON	NO									
	TANK OPENINGS	1-4"									
	EXTRACTORS	N/A									
VAPOR RECOVERY	TYPE	N/A									
	VENT CONFIGURATION	SINGLE									
	P-V VENT VALVE TYPE	N/A									

REPLACEMENT PARTS: PART # | DESCRIPTION | QUANTITY | PRICE

3.5 ON SITE

ADDITIONAL CHARGES: (pumpovers, overtime, etc.) @ T. RAY.

*Data obtained from ☐ Station ☐ LL Charts ☐ Other _____

P. yamamoto

HUNTER ENVIRONMENTAL SERVICES, INC.
18350 MT. LANGLEY STREET, SUITE 101
FOUNTAIN VALLEY, CA 92708
800-247-9014 800-247-2186

permit # 330097

FINAL TEST RESULTS
TEST DATE: 7-21-87

CUSTOMER: UNOCAL
ADDRESS: Highway 99/Highway 5
Lebec, CA

LOCATION/IDENTIFICATION NO.: 4734

TEST RESULTS SUMMARY

NO.	SYSTEM PRODUCT	TANK SIZE GALLONS	TANK SIZE DIA/MATL	WATER INCHES	LEAK LOKATOR RESULTS LEVEL INCHES	LEAK LOKATOR RESULTS ALR GPH	LEAK LOKATOR RESULTS CONCLUSION	LEAK LOKATOR RESULTS RECOMMENDATIONS
1	Super	10068	95"/ST	0	149"	-.008	Tight	
2	U/L	10068	95"/ST	0	155"	+.002	Tight	
3	Diesel		91"/Fib	0	150"	-.003	Tight	
4	Waste Oil	280	48"/ST	Unk	89"	-.011	Tight	

OTHER INFO: Visible V/R leak on super and V/R not hooked up on U/L dispenser.
(See Schematic - page 2)

PRODUCT LINES - HYDROSTATIC PRESSURE TEST RESULTS

NO.	SYSTEM PRODUCT	TYPE OF PUMP REMOTE	TYPE OF PUMP SUCTION	POUNDS APPLIED	POUNDS HELD	MINUTES HELD	PRODUCT LOSS CC's	PRODUCT LOSS GPH	CONCLUSION /RESULT
1	Super	Red Jacket		50		10			Pass
2	U/L	Red Jacket		50		10			Pass
3	Diesel	Red Jacket		50		10			Pass

NOTE: On suction systems, NEVER put more than 15 psi on any pump system.

DETAIL OF TEST RESULTS

NO.	SYSTEM PRODUCT	TEST NO.	TEST LEVEL (IN.)	TIME CLOCK STATE	TIME DURATION (HR-MIN)	LEAK RATE CC/DIV	LEAK RATE CC/MIN	TEMPERATURE COMPENSATION DELTA °F	TEMPERATURE COMPENSATION CC/MIN	ABSOLUTE LEAK RATE CC/MIN	ABSOLUTE LEAK RATE GPA	CHECK TEST Y/N
1	Super	1	149"	12:34	38 Min	1.941	+10.250	+.027	+10.787	+.537	-.008	N
2	U/L	1	155"	11:50	30 Min	1.993	+18.671	+.044	+18.527	+.144	+.002	N
3	Diesel	1	150"	2:15	33 Min	1.327	+ 7.132	+.026	+ 7.370	-.238	-.003	N
4	Waste Oil	1	89"	9:40	34 Min	.668	+ .222	+.157	+ .970	-.748	-.011	N

*LEVEL - Inches from Tank Bottom to Test Level
ALR - Absolute Leak Rate (Measured Leak Rate - Temperature Compensation) in Gallons Per Hour
CONCLUSION - NFPA 329 criterion of +/- 0.05 GPA is used to certify tightness

CERTIFICATION

This is to certify that the above tank systems were tested, using the HUNTER ENVIRONMENTAL SERVICES, INC. LEAK LOKATOR according to all standard operating procedures. Those indicated as tight at full system meet the criterion established by the National Fire Protection Association Pamphlet 329 for Precision Testing.

Tests Conducted and Certified By: Test Van No. 18
Team Manager: Ed Gully
Tank Testing Specialist: Chris Durack

HUNTER ENVIRONMENTAL SERVICES, INC.

115 DEWALT AVENUE, N.W.
SUITE 400
CANTON, OH 44702
216-453-1800 800-523-4370

TEST RESULTS

leak lokator LD 2000

DATE OF TEST 7-21-87

CONTRACT NUMBER

CUSTOMER Unocal

LOCATION – IDENTIFICATION NUMBER 4734

NAME

ADDRESS Hwy 99/Hwy 3

CITY Lemoore

STATE CA

TEST RESULTS SUMMARY

	SYSTEM PRODUCT	TANK SIZE GALLONS	TANK SIZE DIA/MATL	WATER INCHES	LEAK LOKATOR RESULTS* LEVEL INCHES	LEAK LOKATOR RESULTS* ALR GPH	LEAK LOKATOR RESULTS* CONCLUSION	RECOMMENDATIONS	LEAK LOKATOR USE ONLY CONCL. CODE TEST	TANK	SYS
1	Sup.	10,068	[illegible]	Ø	149"	-.008	tight				
2	U/L	10,068	[illegible]	Ø	155"	+.002	tight				
3	Diesel		[illegible]	Ø	150"	-.003	tight				
4	waste oil	280	48"	unk	89"	+.011	tight				

OTHER INFORMATION Visible V/R leak on Sup & V/R not Hooked up on U/L Dispenser (see schematic Pg 2)

PRODUCT LINES – HYDROSTATIC PRESSURE TEST RESULTS

NO.	SYSTEM PRODUCT	TYPE OF PUMP REMOTE	TYPE OF PUMP SUCTION	# APPLIED	MINUTES APPLIED	PRODUCT LOSS CC'S	PRODUCT LOSS GPH	CONCLUSION/ RESULT
1	Sup	R/T	–	50	1[illegible]	–	–	Pass
2	U/L	R/T	–	50	1[illegible]	–	–	Pass
3	Diesel	R/T	–	50	1[illegible]	–	–	Pass

NOTE: On suction systems, **NEVER** put more than 15 psi on any pump system.

OTHER CONTRACTORS, OFFICIALS, CUSTOMER REPRESENTATIVES PRESENT

DETAIL OF TEST RESULTS

NO.	SYSTEM PRODUCT	TEST NO.	TEST LEVEL (INCHES)	TIME CLOCK START	TIME DURATION HRS.-MIN.	LEAK RATE CC/DIV	LEAK RATE CC/MIN	TEMPERATURE COMPENSATION Δ °F	TEMPERATURE COMPENSATION CC/MIN	ABSOLUTE LEAK RATE CC/MIN	ABSOLUTE LEAK RATE GPH	CHECK TEST Y or N
1	Sup	1	149"	1234	38min	1.941	+10.250	+.027	+10.787	+.537	-.008	N
2	U/L	1	155"	1150	~~30~~	1.993	+18.671	+.044	+18.527	+.144	+.002	N
3	Diesel	1	150"	21[illegible]	33min	1.327	+7.132	+.026	+7.370	-.238	-.003	N
4	W/Oil	1	89"	1[illegible]	34min	.668	+.222	+.157	+.970	-.748	-.011	N

* LEVEL – INCHES FROM TANK BOTTOM TO TEST LEVEL
ALR – ABSOLUTE LEAK RATE (MEASURED LEAK RATE – TEMPERATURE COMPENSATION) IN GALLONS PER HOUR
CONCLUSION – NFPA 329 CRITERION OF ±0.05 GPH IS USED TO CERTIFY TIGHTNESS

CERTIFICATION This is to certify that the above described tank systems were tested, using the HUNTER ENVIRONMENTAL SERVICES, INC. LEAK LOKATOR according to all standard operating procedures. Those indicated as tight at full system meet the criterion established by the National Fire Protection Association Pamphlet 329 for Precision Testing.

TESTS CONDUCTED BY		CERTIFIED BY		
TEST VAN NO.	TANK TESTING SPECIALIST	SIGNATURE		DATE
LL-18	Criss [illegible]nack	Edward C Milligan		7-21-87
	TANK TESTING SPECIALIST Ed G[illegible]	NAME Ed Gulley	TITLE TM	

TANK AND LOCATION DATA

DATE: 7-31-87

CUSTOMER: unocal

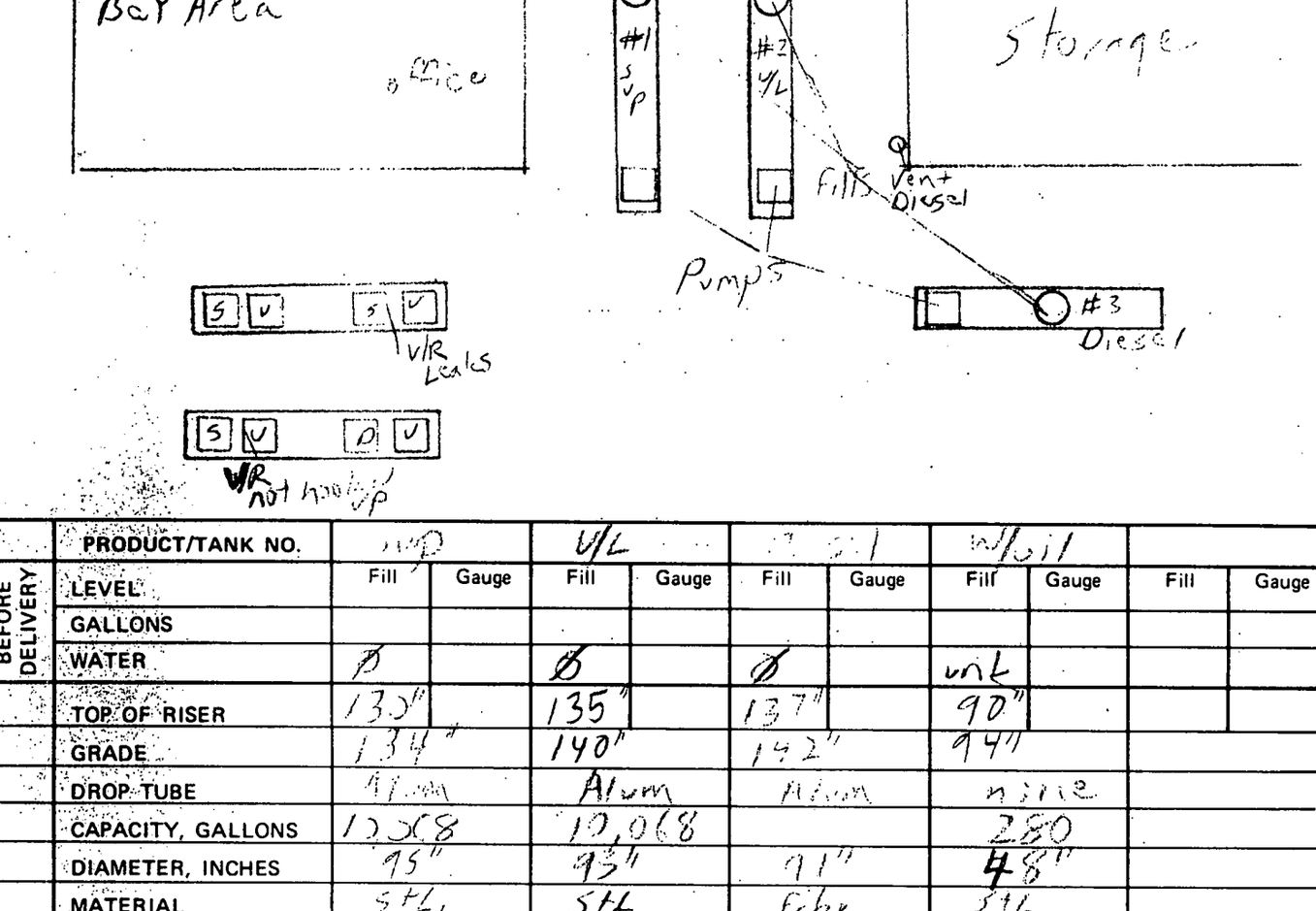
CITY: Lebec

I.D. # 4734

STATE: CA

WEATHER	TIME	TEMPERATURE	COMMENTS
BEFORE TEST – clear	8:00	74°	
AFTER TEST – clear	4:00	90°	

SCHEMATIC:



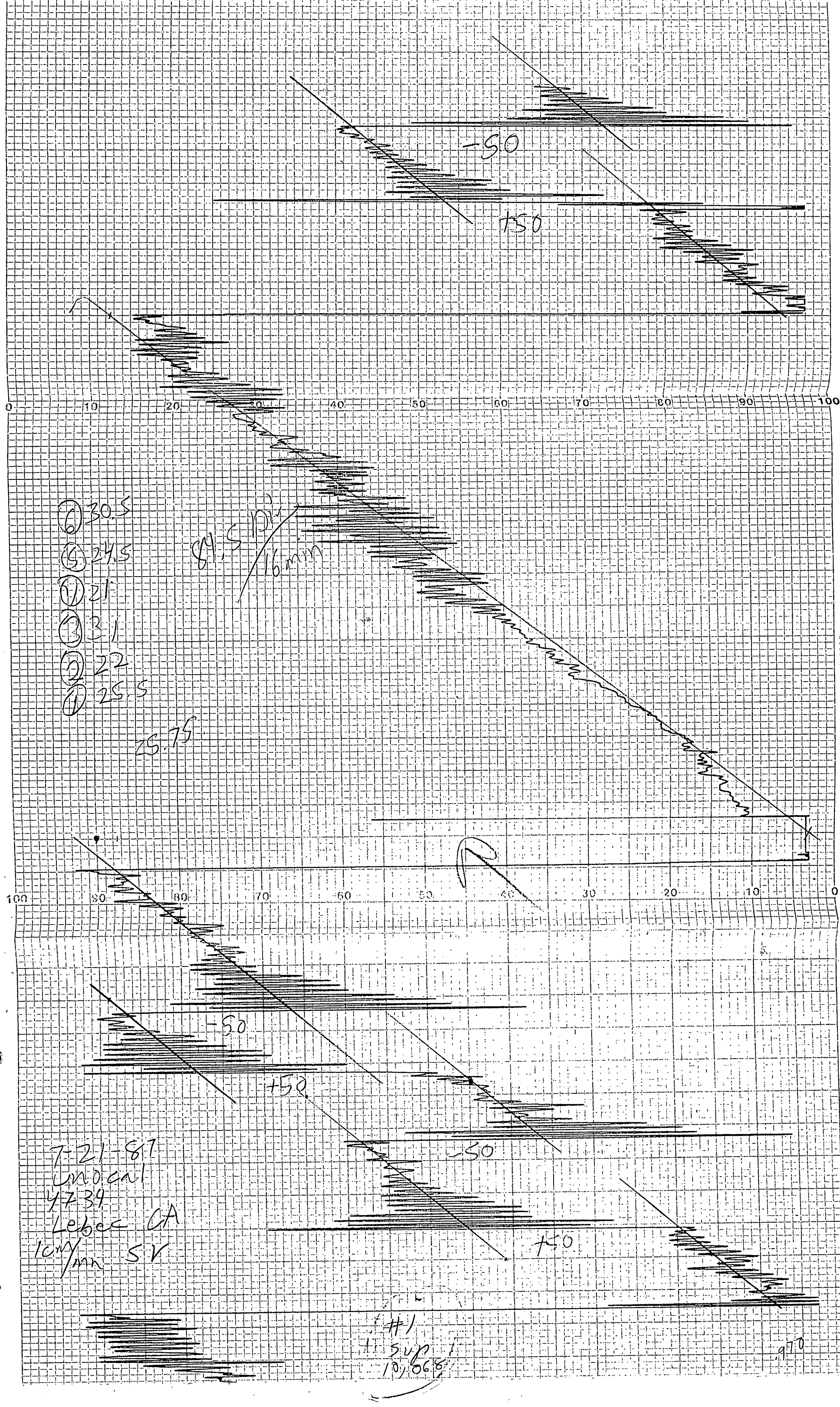
	PRODUCT/TANK NO.	sup		U/L		[illegible]		w/oil			
BEFORE DELIVERY	LEVEL	Fill	Gauge	Fill	Gauge	Fill	Gauge	Fill	Gauge	Fill	Gauge
	GALLONS										
	WATER	Ø		Ø		Ø		unk			
	TOP OF RISER	135"		135"		137"		90"			
	GRADE	134"		140"		142"		94"			
	DROP TUBE	Alum		Alum		Alum		none			
	CAPACITY, GALLONS	10,068		10,068				280			
	DIAMETER, INCHES	95"		95"		91"		48"			
	MATERIAL	STL.		STL		fiber		STL.			
	PUMP TYPE	R/S		R/S		R/S		none			
	TYPE OF COVER	Conn		Conn		Co.		Conn			
	AGE OF TANK	26 Yrs		26 Yrs		6 Yrs		26 Yrs			
	SIPHON	no		no		no		NO			
	TANK OPENINGS	1		1		1		1			
	EXTRACTORS	none		none		none		none			
VAPOR RECOVERY	TYPE	coax		coax		none		none			
	VENT CONFIGURATION	single		single		single		single			
	P-V VENT VALVE TYPE	N/A		N/A		N/A		N/A			

REPLACEMENT PARTS:

PART #	DESCRIPTION	QUANTITY	PRICE

ADDITIONAL CHARGES: (pumpovers, overtime, etc.) 4 hrs travel 8.5 hrs on site

*Data obtained from ☒ Station ☐ LL Charts ☐ Other _____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+50
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10
20
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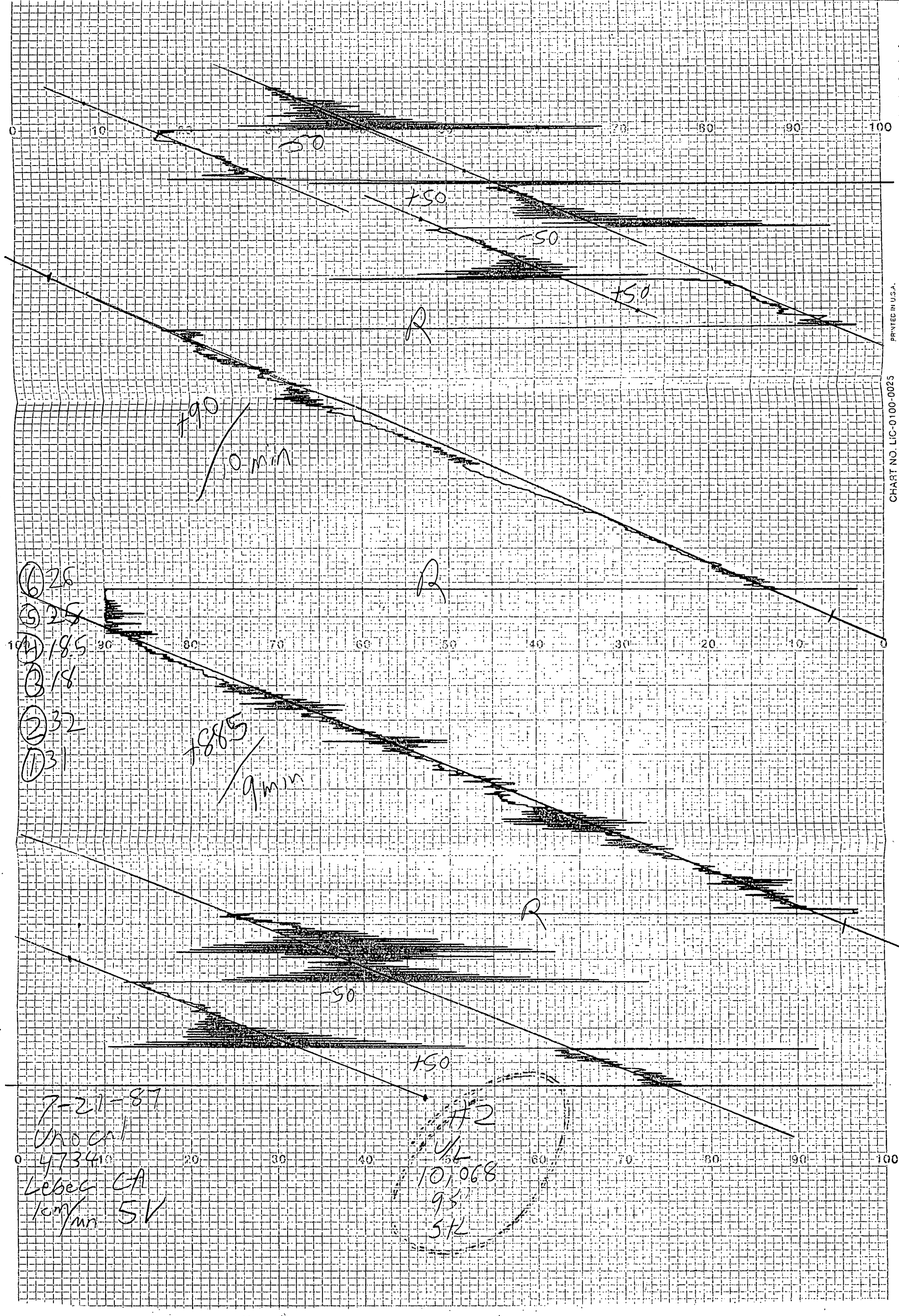
60
70
80
90
100
0 30.5
24.5
21
31
22
25.5
25.75
81.5 psi
16 min
-50
+50
-50
+50
7-21-87
Unocal
4739
Lebec CA
1cm/min SV
#1
1 sup
10,868'
970
CHART NO. LIC-0100-0025
PRINTED IN U.S.A.

CHART NO. 0100-0025 PRINTED IN U.S.A.

CHART NO. 0100-0025 PRINTED IN U.S.A.



PRINTED IN U.S.A.

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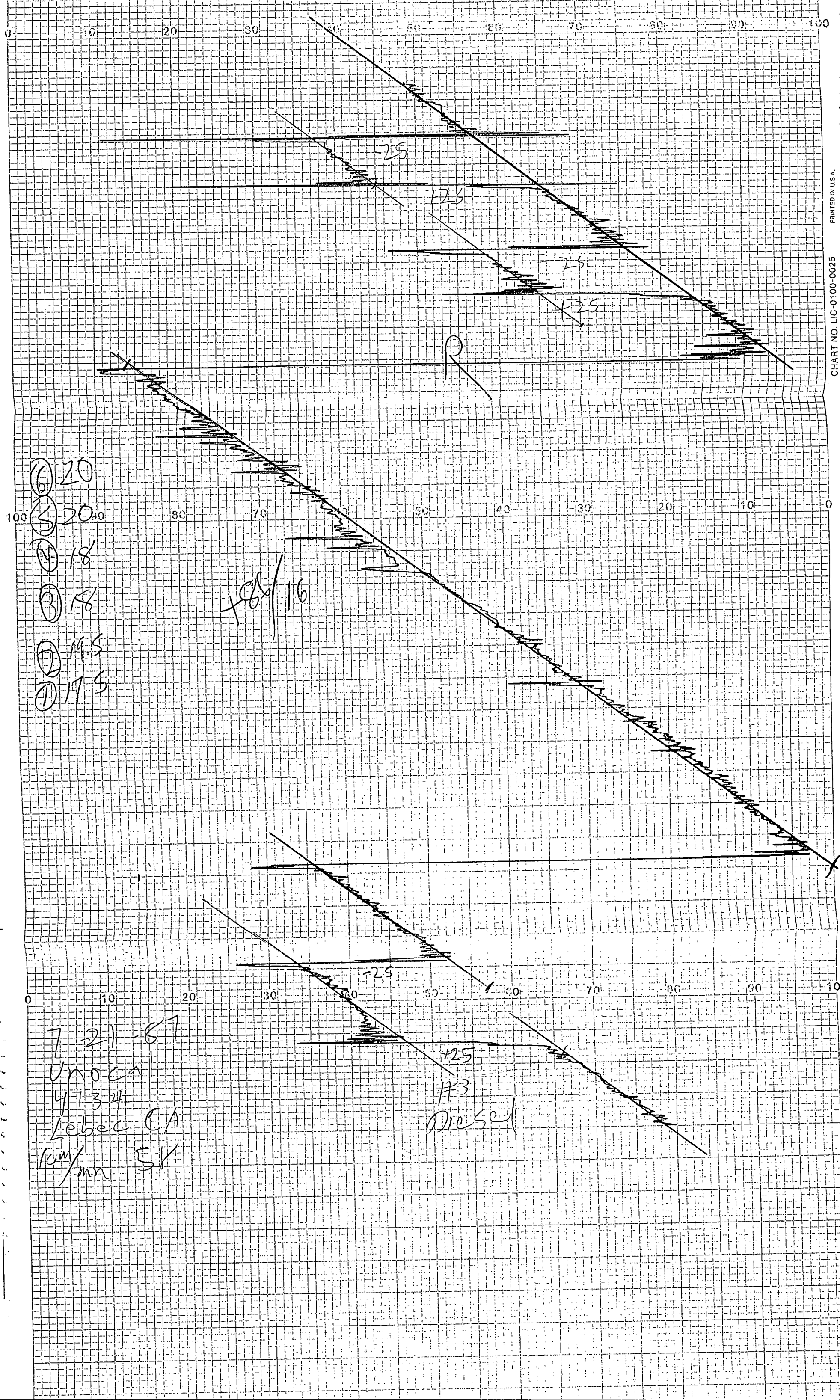
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+68/16
-25
+25
#3
Diesel
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90
100
7-21-87
Unocal
4734
Lebec CA
KCM/MM 5P
PRINTED IN U.S.A.
CHART NO. LIC-0100-0025

12:50 — 86.115 — 84.162 — 81.355

12:40 — 86.111 — 84.158 — 81.357

12:30 — 86.109 — 84.157 — 81.354

12:20 — 86.100 — 84.146 — 81.355

12:10 — 86.096 — 84.129 — 81.344

12:00 — 86.092 — 84.118 — 81.339

11:50 — 86.084 — 84.113 — 81.333

11:40 — 86.074 — 84.104 — 81.328

11:30 — 86.069 — 84.101 — 81.320

11:20 — 86.066 — 84.096 — 81.320

11:10 — 86.055 — 84.090 — 81.316

11:00 — 86.051 — 84.059 — 81.464 — 83.997 — TF3 Diesel

10:50 — 86.042 — 84.051 — 83.997

10:40 — 86.042 — 84.050 — 83.998

10:30 — 86.035 — 84.044 — 83.960

10:20 — 86.028 — 84.044 — 83.945

10:10 — 86.024 — 84.050 — 83.924

CHART NO. 0100-0025 PRINTED IN U.S.A.

PRINTED IN U.S.A.

CHART NO. 0100-0025

0 10 20 30 40 50 60 70 80 90 100

-25

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-25

+25

⑥41.75
⑤36.25
④36.25
③36
②39
①35

+7 2/2 min

-25

+25

7-21-87
Vnocal
4734
Lebec CA
1cm/mn 5V

#4
W/011
280
45°
3/4

100 90 80 70 60 50 40 30 20 10 0

CHART NO LIC-0100-0025 PRINTED IN U.S.A.

CHART NO. LIC-0100-0025 PRINTED IN U.S.A.

HUNTER ENVIRONMENTAL SERVICES, INC.

115 DEWALT AVENUE, N.W.
SUITE 400
CANTON, OH 44702
216-453-1800 800-523-4370

330097

TEST RESULTS

leak lokator LD 2000

DATE OF TEST	
CONTRACT NUMBER	

CUSTOMER	
LOCATION — IDENTIFICATION NUMBER	NAME
ADDRESS	CITY / STATE

TEST RESULTS SUMMARY

	SYSTEM	TANK SIZE		WATER INCHES	LEAK LOKATOR RESULTS*				LEAK LOKATOR USE ONLY — CONCL. CODE		
	PRODUCT	GALLONS	DIA/MATL		LEVEL INCHES	ALR GPH	CONCLUSION	RECOMMENDATIONS	TEST	TANK	SYS
		[illegible]	[illegible]	[illegible]							
				[illegible]	[illegible]	[illegible]	[illegible]				
					[illegible]	[illegible]	[illegible]				
			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

OTHER INFORMATION [illegible]

PRODUCT LINES — HYDROSTATIC PRESSURE TEST RESULTS

SYSTEM		TYPE OF PUMP		# APPLIED	MINUTES APPLIED	PRODUCT LOSS CC'S	PRODUCT LOSS GPH	CONCLUSION/ RESULT
NO.	PRODUCT	REMOTE	SUCTION					
1								

NOTE: On suction systems, **NEVER** put more than 15 psi on any pump system.

OTHER CONTRACTORS, OFFICIALS, CUSTOMER REPRESENTATIVES PRESENT

DETAIL OF TEST RESULTS

NO.	SYSTEM PRODUCT	TEST NO.	TEST LEVEL (INCHES)	TIME — CLOCK START	TIME — DURATION HRS.-MIN.	LEAK RATE — CC/DIV	LEAK RATE — CC/MIN	TEMPERATURE COMPENSATION — Δ °F	TEMPERATURE COMPENSATION — CC/MIN	ABSOLUTE LEAK RATE — CC/MIN	ABSOLUTE LEAK RATE — GPH	CHECK TEST Y or N
		1	1			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
		[illegible]	[illegible]						[illegible]			
						[illegible]		[illegible]				

* LEVEL — INCHES FROM TANK BOTTOM TO TEST LEVEL
ALR — ABSOLUTE LEAK RATE (MEASURED LEAK RATE — TEMPERATURE COMPENSATION) IN GALLONS PER HOUR
CONCLUSION — NFPA 329 CRITERION OF ±0.05 GPH IS USED TO CERTIFY TIGHTNESS

CERTIFICATION This is to certify that the above described tank systems were tested, using the HUNTER ENVIRONMENTAL SERVICES, INC. LEAK LOKATOR according to all standard operating procedures. Those indicated as tight at full system meet the criterion established by the National Fire Protection Association Pamphlet 329 for Precision Testing.

TESTS CONDUCTED BY		CERTIFIED BY	
TEST VAN NO.	TANK TESTING SPECIALIST	SIGNATURE	DATE
	TANK TESTING SPECIALIST	NAME	TITLE

TANK AND LOCATION DATA

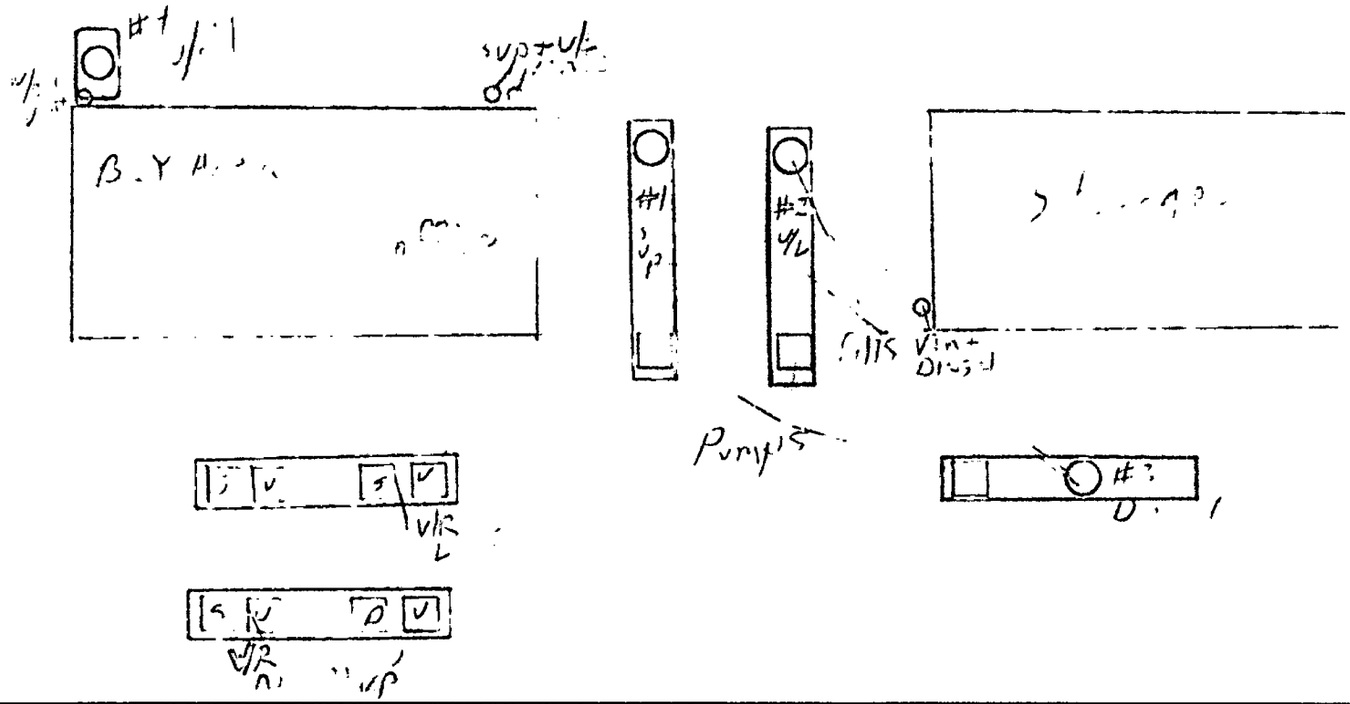
DATE: _____

CUSTOMER: _____ CITY: _____

I.D. # _____ STATE: _____

WEATHER	TIME	TEMPERATURE	COMMENTS
BEFORE TEST –			
AFTER TEST –	4:00		

SCHEMATIC:



	PRODUCT/TANK NO.									
BEFORE DELIVERY	LEVEL	Fill	Gauge	Fill	Gauge	Fill	Gauge	Fill	Gauge	Fill	Gauge
	GALLONS										
	WATER										
	TOP OF RISER										
	GRADE										
	DROP TUBE										
	CAPACITY, GALLONS										
	DIAMETER, INCHES										
	MATERIAL										
	PUMP TYPE										
	TYPE OF COVER										
	AGE OF TANK										
	SIPHON										
	TANK OPENINGS										
	EXTRACTORS										
VAPOR RECOVERY	TYPE										
	VENT CONFIGURATION										
	P-V VENT VALVE TYPE										

REPLACEMENT PARTS:

PART #	DESCRIPTION	QUANTITY	PRICE

ADDITIONAL CHARGES: (pumpovers, overtime, etc.) _____

*Data obtained from ☒ Station ☐ LL Charts ☐ Other _____

HUNTER ENVIRONMENTAL SERVICES, INC.

115 DEWALT AVENUE, N.W.
SUITE 400
CANTON, OH 44702
216-453-1800 800-523-4370

leak lokator LD 2000

TEST RESULTS

DATE OF TEST: 6-14-94

CONTRACT NUMBER:

CUSTOMER: Unocal

LOCATION – IDENTIFICATION NUMBER: 4734

NAME:

ADDRESS: Star Rt. 1 Box 34

CITY: Lebec

STATE: CA

TEST RESULTS SUMMARY

	SYSTEM PRODUCT	TANK SIZE GALLONS	TANK SIZE DIA/MATL	WATER INCHES	LEAK LOKATOR RESULTS* LEVEL INCHES	ALR GPH	CONCLUSION	RECOMMENDATIONS	LEAK LOKATOR USE ONLY CONCL. CODE TEST	TANK	SYS
1	Sup	10,000	95" STL	Ø	140"	-.026	tight				
2	U/L	10,000	95" STL	Ø	160"	+.004	tight				
3	Diesel	10,000	95" STL	Ø	161"	-.036	tight				
4	W/O.I.	550	48" STL	Ø	99"	-.011	tight				

OTHER INFORMATION

PRODUCT LINES – HYDROSTATIC PRESSURE TEST RESULTS

NO.	SYSTEM PRODUCT	TYPE OF PUMP REMOTE	TYPE OF PUMP SUCTION	# APPLIED	MINUTES APPLIED	PRODUCT LOSS CC'S	PRODUCT LOSS GPH	CONCLUSION/ RESULT
1	Sup	R/J	—	50	10			Pass
2	U/L	R/J	—	50	10			Pass
3	Diesel	R/J	—	50	10			Pass

NOTE: On suction systems, **NEVER** put more than 15 psi on any pump system.

OTHER CONTRACTORS, OFFICIALS, CUSTOMER REPRESENTATIVES PRESENT

DETAIL OF TEST RESULTS

NO.	SYSTEM PRODUCT	TEST NO.	TEST LEVEL (INCHES)	TIME CLOCK START	TIME DURATION HRS.-MIN.	LEAK RATE CC/DIV	LEAK RATE CC/MIN	TEMPERATURE COMPENSATION Δ °F	TEMPERATURE COMPENSATION CC/MIN	ABSOLUTE LEAK RATE CC/MIN	ABSOLUTE LEAK RATE GPH	CHECK TEST Y or N
1	Sup	1	140"	6:35	42 min	2.158	+11.196	+.037	+12.872	-1.676	-.026	N
2	U/L	1	160"	9:20	42 min	1.960	-8.056	-.020	-8.304	+.248	+.004	N
3	Die	1	161"	4:40	30 min	2.083	+.500	+.010	+2.858	-2.278	-.036	N
4	W/O.I.	1	99"	2:00	30 min	1.020	+.663	+.113	+1.372	-.708	-.011	N

LEVEL – INCHES FROM TANK BOTTOM TO TEST LEVEL
ALR – ABSOLUTE LEAK RATE (MEASURED LEAK RATE – TEMPERATURE COMPENSATION) IN GALLONS PER HOUR
CONCLUSION – NFPA 329 CRITERION OF ±0.05 GPH IS USED TO CERTIFY TIGHTNESS

CERTIFICATION This is to certify that the above described tank systems were tested, using the HUNTER ENVIRONMENTAL SERVICES, INC. LEAK LOKATOR according to all standard operating procedures. Those indicated as tight at full system meet the criterion established by the National Fire Protection Association Pamphlet 329 for Precision Testing.

TESTS CONDUCTED BY		CERTIFIED BY	
NO. TANK TESTING SPECIALIST: Ed Gu/17		SIGNATURE: [signature]	DATE: 6-14-94
TANK TESTING SPECIALIST: Gary Hill		NAME: Ed [illegible]	TITLE: [illegible]

TANK AND LOCATION DATA

DATE: 1-14-92

CUSTOMER: Unocal

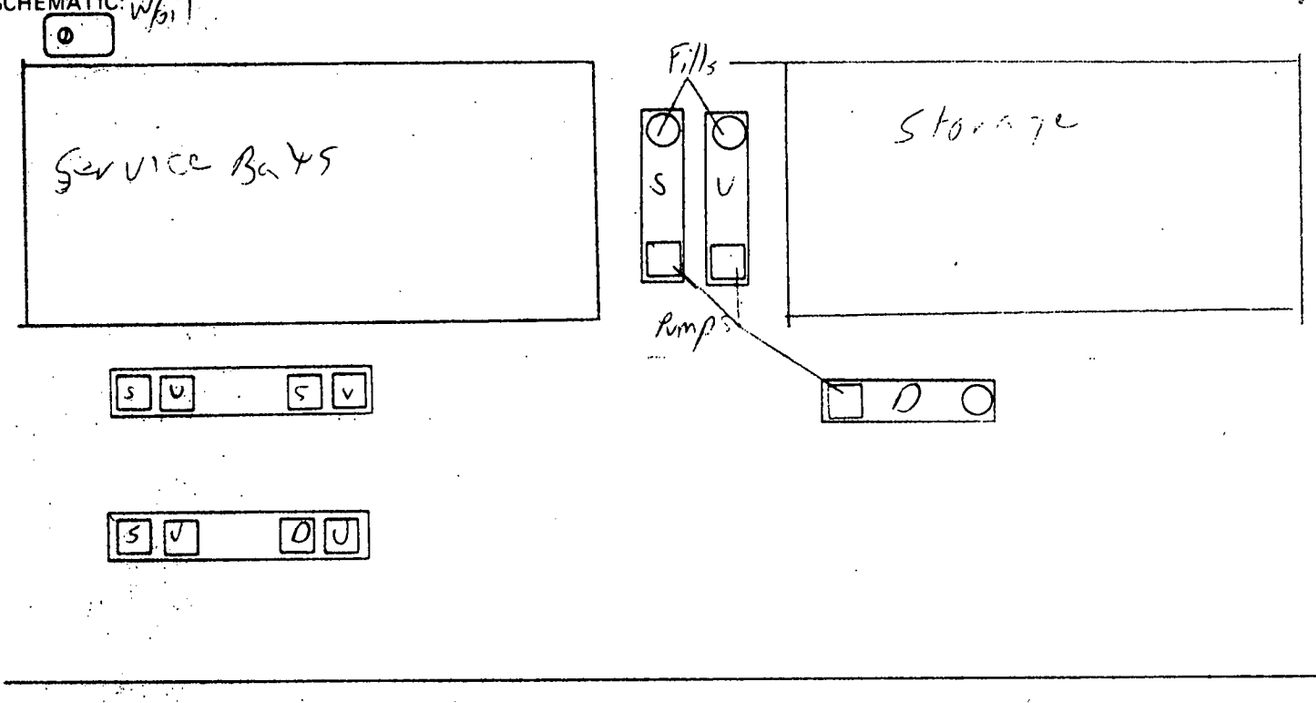
CITY: Lodi

I.D. #: 4734

STATE: CA

WEATHER	TIME	TEMPERATURE	COMMENTS
BEFORE TEST			
AFTER TEST			

SCHEMATIC: w/oil



	PRODUCT/TANK NO.	5up		v/l		Diesel		w/oil			
		Fill	Gauge	Fill	Gauge	Fill	Gauge	Fill	Gauge	Fill	Gauge
BEFORE DELIVERY	LEVEL										
	GALLONS										
	WATER	Ø		Ø		Ø		Ø			
	TOP OF RISER	131"		136"		137"		90"			
	GRADE	134"		140"		142"		98"			
	DROP TUBE	Alum		Alum		Alum		None			
	CAPACITY, GALLONS	10,000		10,000		10,000		550			
	DIAMETER, INCHES	95"		95"		95"		48"			
	MATERIAL	Stl		Stl		Stl		Stl			
	PUMP TYPE	R/J		R/J		R/J		None			
	TYPE OF COVER	Conc		Conc		Conc		Conc			
	AGE OF TANK	unk		unk		unk		unk			
	SIPHON	NO		NO		NO		NO			
	TANK OPENINGS	1-4"		1-4"		1-4"		1-3"			
	EXTRACTORS	None		None		None		None			
VAPOR RECOVERY	TYPE	Coax		Coax		~~None~~		None			
	VENT CONFIGURATION	Single		Single		Single		Single			
	P.V VENT VALVE TYPE	N/A		N/A		N/A		N/A			

REPLACEMENT PARTS: PART # | DESCRIPTION | QUANTITY | PRICE

ADDITIONAL CHARGES: (pumpovers, overtime, etc.) 1 hrs travel 12 hrs on site

*Data obtained from ☒ Station ☐ LL Charts ☐ Other

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

STEVE McCALLEY, R.E.H.S.
DIRECTOR

2700 "M" Street, Suite 300
Bakersfield, CA 93301
(805) 861-3636
(805) 861-3429 FAX

March 10, 1993

Robert Boust
Unocal Corporation
2000 Crow Canyon, Suite 400
San Ramon, CA 94583

SUBJECT: Location : 9068 W. Grapevine Road, Lebec, CA
Known As : Union Oil Service Station #4734
Permit # : 330097

Dear Mr. Boust:

This letter confirms the completion of site investigation and remedial action at the above site. With the provision that the information provided to this agency was accurate and representative of existing conditions, it is the position of this office that no further action is required at this time.

Please be advised that this letter does not relieve you of any liability under the California Health and Safety Code or Water Code for past, present, or future operations at the site. Further, it does not relieve you of the responsibility to clean up existing, additional, or previously unidentified conditions at the site which cause or threaten to cause pollution or nuisance or otherwise pose a threat to water quality or public health.

Additionally, be advised that changes in the present or proposed use of the site may require further site characterization and mitigation activity. It is the property owner's responsibility to notify this agency of any changes in report content, future contamination findings, or site usage.

If you have any questions regarding this matter, please contact **Flora Darling** at (805) 861-3636, Extension 549.

Sincerely,

Steve McCalley, Director

By: Joe Cañas, R.E.H.S.
Interim Program Supervisor
Hazardous Materials Management Program

JC:FD:cas

\flora\330097.b

GeoResearch

1713 Tulare, Suite 113
Fresno, California 93721
(209) 264-0444
(800) 523-4786
Fax: (209) 264-9800

RECEIVED
MAR - 8 1993

March 4, 1993

Ms. Flora Darling
Kern County Environmental Health
Services Department
2700 'M' Street, Suite 300
Bakersfield, CA 93301

RE: Report of Additional Subsurface Soil Investigation, Unocal Service Station No. 4734, 9068 Grapevine Road, Lebec, California, GeoResearch Project No. 937060500

Dear Ms. Darling:

On behalf of Unocal Corporate Environmental and Remediation Technology, GeoResearch is pleased to present this report of Additional Subsurface Soil Investigation at the above-referenced site. You will note that the report concludes that site closure is appropriate. Unocal would like a written letter of closure for the site.

If you have specific questions regarding the report, please call me at (209) 264-0444. Otherwise you may contact Mr. Robert Boust of Unocal at (510) 277-2334.

Sincerely,

Steve Curra
Project Geologist

3/8
1.0

enclosure

cc: Bob Boust

UN4734CT.CL0030493F4

FA0004793

ADDITIONAL SUBSURFACE SOIL INVESTIGATION

for

UNOCAL SERVICE STATION NO. 4734
9068 GRAPEVINE ROAD
LEBEC, CALIFORNIA

prepared for

UNOCAL C.E.R.T.
UNOCAL CORPORATION
2000 CROW CANYON PLACE, SUITE 400
SAN RAMON, CALIFORNIA 94583

prepared by

GeoResearch,
a Division of GEOSERVICES,
a California Corporation,
1713 Tulare, Suite 113
Fresno, California 93721
(209) 264-0444

February 15, 1993
937060500

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APPENDIX B: SOIL BORING LOG

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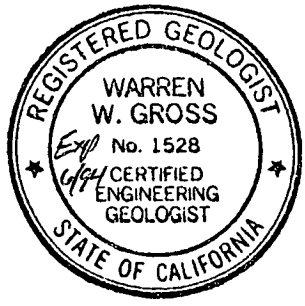
STATEMENT OF LIMITATIONS AND PROFESSIONAL CERTIFICATION

Information provided in this report for GeoResearch Project Number 937060500 is intended exclusively for Unocal C.E.R.T. for the evaluation of petroleum hydrocarbon occurrence as it pertains to the subject site at the time the data were collected. The professional services have been performed in accordance with practices generally accepted by professional geologists, hydrologists, engineers, and environmental specialists. No other warranty, expressed or implied, is made. As with all subsurface investigations, there is no guarantee that the work conducted will identify any or all sources or locations of contamination. This report is issued with the understanding that Unocal C.E.R.T. is responsible for ensuring that the information contained in this report is brought to the attention of the appropriate regulatory agency. The enclosed report has been reviewed by a California Certified Engineering Geologist (C.E.G.) whose signature and certification number appear below.

Kevin L. Clutter
Senior Staff Geologist

Warren W. Gross, C.E.G. No. 1528
Associate Geologist



1.0 INTRODUCTION

GeoResearch has completed drilling and soil sampling beneath the former location of the westernmost dispenser island at Unocal Station No. 4734. Selected soil samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) and benzene, toluene, ethylbenzene, and total xylenes (BTEX). The site is located at 9068 Grapevine Road, Lebec, California (Figure 1). The investigation was completed in accordance with our work plan dated January 21, 1993, which was submitted to and approved by Mr. Robert Boust of Unocal and Ms. Flora Darling of the Kern County Environmental Health Department (KCEHD).

The purpose of the investigation was to determine the vertical extent of petroleum hydrocarbon migration beneath the location of the former westernmost dispenser island and develop an opinion of the suitability of the site for closure.

Drilling services were supplied by Valley Well Drilling, Inc. of Ventura, California. Analytical services were performed by GEOTEST of Long Beach, California. GEOTEST is a California EPA certified analytical laboratory. Ms. Flora Darling of the Kern County Environmental Health Department (KCEHD) was on site during drilling activities.

One boring (B1) was completed to 65 feet below ground surface (bgs). Seven soil samples were collected from boring B1 and were submitted to GEOTEST. Four soil samples were analyzed for TPH-G and BTEX.

2.0 BACKGROUND INFORMATION

During the station demolition in October 1992, soil containing elevated concentrations of total petroleum hydrocarbons as gasoline (TPH-G) was identified beneath the westernmost dispenser island. GeoResearch attempted to excavate the TPH-G containing soil. However, confirmation samples collected at 35 feet bgs, the practical limit of excavation, indicated that TPH-G concentrations as high as 3,500 milligrams per kilogram (mg/kg) still remained. The scope and findings of the completed investigation/remediation are reported in the GeoResearch Tank Closure Report dated January 25, 1993.

3.0 SOIL BORING OBSERVATIONS

Soil boring B1 was completed to 65 feet bgs on February 4, 1993 (Figure 2). The boring was completed with a B-90 hollow-stem auger drill rig supplied by Valley Well Drillers, Inc. of Ventura, California. Soils were monitored for the presence of volatile organic compounds with a Model 580B Organic Vapor Meter (OVM).

Soils observed were sand and gravel fill material to approximately 35 feet bgs. Soils below 35 feet bgs consisted of sand, gravel, and cobbles. No soil with field evidence of petroleum hydrocarbons was observed during drilling activities. The boring was terminated at 65 feet bgs due to the lack of field evidence of petroleum hydrocarbon containing soil (Figure 3). None of the soil screened with the OVM contained detectable concentrations of petroleum hydrocarbons.

4.0 SOIL SAMPLING AND ANALYSIS

Seven soil samples, B1-35 through B1-65, were collected at five foot intervals beginning at 35 feet bgs (below the base of fill soils). Undisturbed soil samples were collected using a modified California split spoon sampler lined with brass sleeves in accordance with standard GeoResearch soil sampling procedures (Appendix B).

The soil samples were transported to GEOTEST for analysis. Four of the soil samples were analyzed for TPH-G in accordance with California Department of Health Services (CAL/DHS) methods and benzene, toluene, ethylbenzene, and total xylenes (BTEX) in accordance with EPA method 8020. None of the samples analyzed (B1-35, B1-45, B1-55, and B1-65) contained detectable concentrations of TPH-G or BTEX (Table 1). Chain-of-custody records and analytical reports are included in Appendix D.

5.0 SUMMARY AND CONCLUSIONS

One soil boring was completed to 65 feet bgs beneath the former dispenser island from which a gasoline release was previously identified. No field or laboratory evidence of remaining petroleum hydrocarbons was found. Based on these findings, GeoResearch concludes that no further investigation or remediation is warranted in association with the former service station. The site appears suitable for closure by the KCEHD.

6.0 REFERENCES

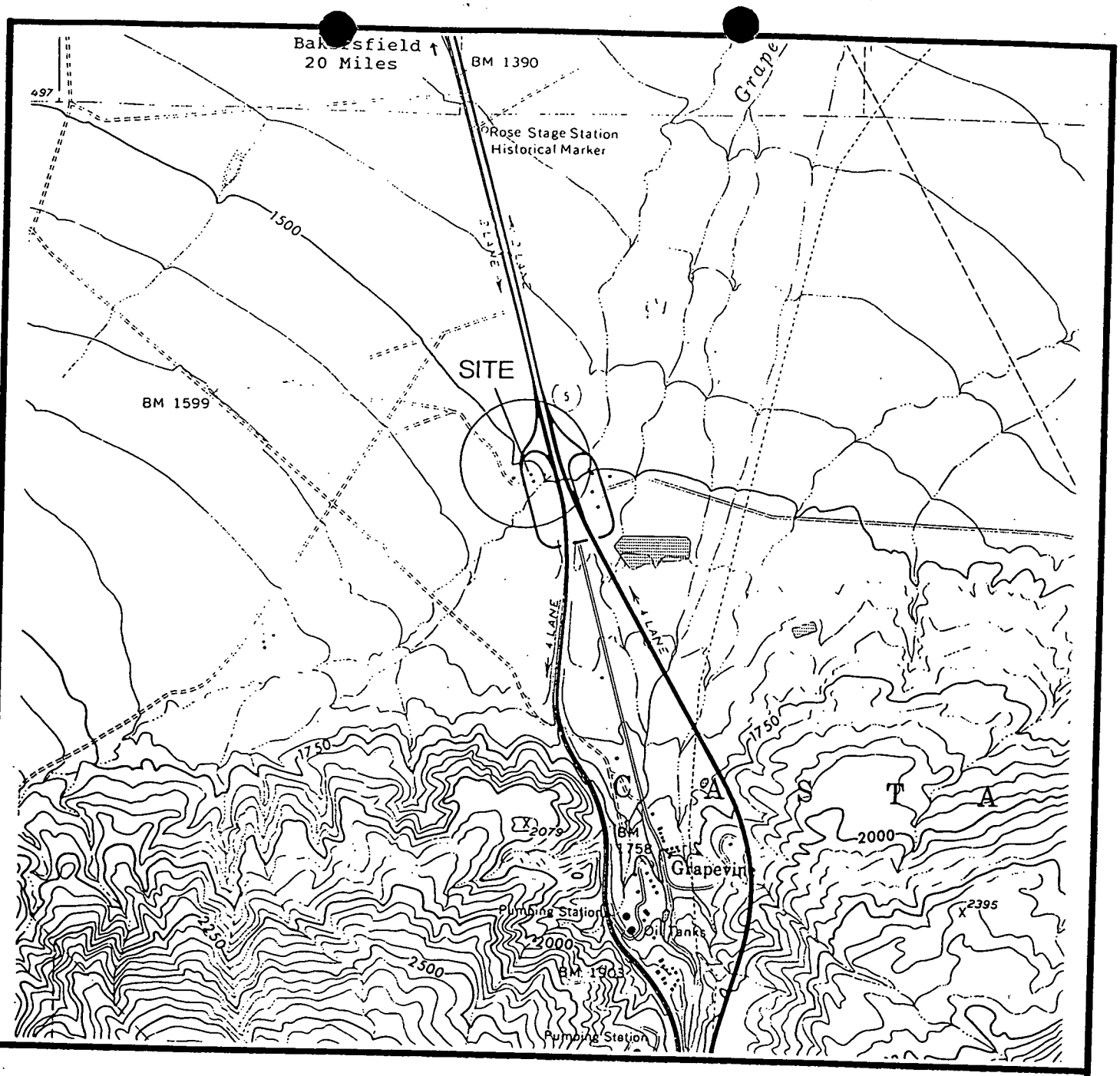
GeoResearch, Tank Closure Report, Unocal Station No. 4734, 9068 Grapevine Road, Lebec, California, January 25, 1993.

PHR Environmental Consultants, Inc., Phase I Environmental Site Assessment, Unocal Station No. 4734, 9068 Grapevine Road, Lebec, California, 1991.

TABLE 1

RESULTS OF TPH-G AND BTEX ANALYSES
FOR SOIL SAMPLES COLLECTED FROM SOIL BORING,
UNOCAL STATION 4734, 9068 GRAPEVINE ROAD, LEBEC, CALIFORNIA

Sample ID	Sample Date	TPH-G (CAL/DHS)	EPA Method 8020 B	T	E	X
B1-35	2/4/93	ND	ND	ND	ND	ND
B1-45	"	ND	ND	ND	ND	ND
B1-55	"	ND	ND	ND	ND	ND
B1-65	"	ND	ND	ND	ND	ND
DETECTION LIMITS		1.0	0.005	0.005	0.005	0.015
		mg/kg				



NORTH

0 1/2 1 MILE

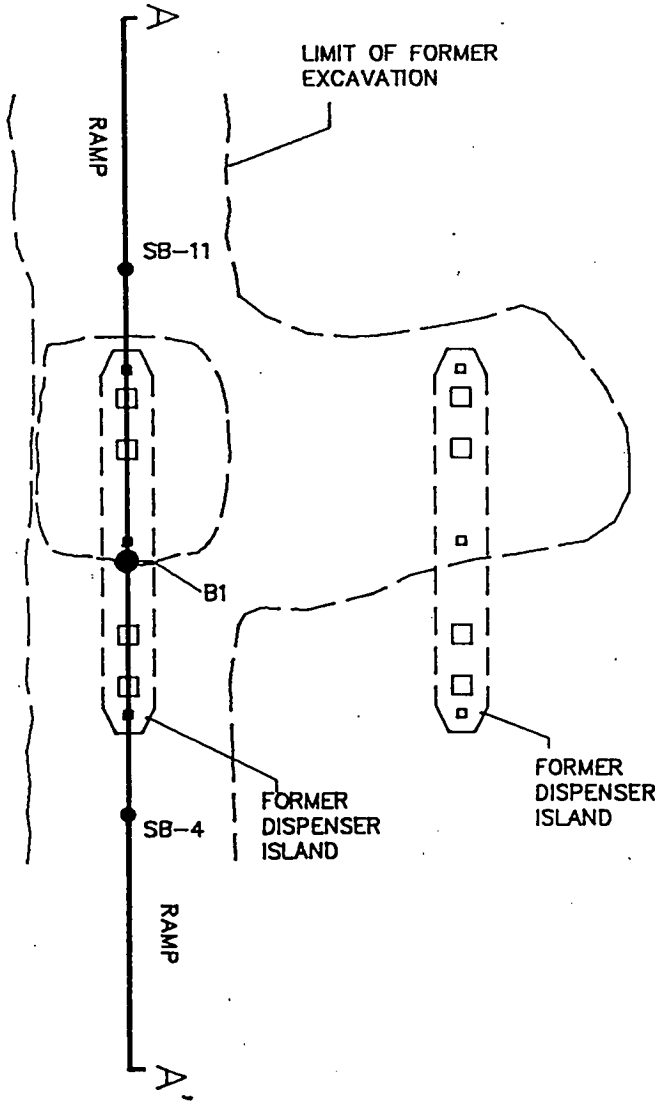
SCALE

REFERENCE: USGS 7.5 MINUTE QUADRAGLE
GRAPEVINE, CALIFORNIA, 1958
PHOTOREVISED 1974

GeoResearch

SITE LOCATION
UNOCAL SERVICE STATION 4734
9068 WEST GRAPEVINE ROAD
LEBEC, CALIFORNIA
PROJECT 9370605

DATE: 2/26/93	CKD BY:	FIGURE NO.: 1
FILE NO: PROJLOC	2/26/93	DRAWN BY: C.MCGEE



LEGEND

SB-4 SOIL BORING LOCATION

LINE OF CROSS-SECTION

NORTH

0 7.5 15 30

SCALE IN FEET

GeoResearch

BORING LOCATION
UNOCAL SERVICE STATION 4734
9068 WEST GRAPEVINE ROAD
LEBEC, CALIFORNIA
PROJECT 9370605

DATE: 2/26/93	CKD BY:	FIGURE NO.: 2
FILE NO: 9370605B		DRAWN BY: C.MCGEE

GEORESEARCH PROCEDURES FOR SOIL SAMPLING DURING DRILLING

The following outline describes the procedures utilized by GeoResearch for soil sampling during drilling, using hollow-stem, continuous-flight augers.

i. Soil samples are collected using a 2.0 to 2.5-inch inside diameter, modified California split-spoon sampler. The sampler is lined with two to three, 6-inch long, 2.0 to 2.5-inch diameter brass rings for containment of the soil samples.

ii. To avoid cross-contamination of samples, the sampler and rings are washed prior to each use with non-phosphate detergent and double rinsed with distilled water.

iii. At the prescribed sampling interval of 5 feet, the sampler is attached to the drive rod and driven 18 inches into undisturbed soil below the lead auger with a 140-pound hammer that is repeatedly dropped from a 30-inch height. The number of drops is recorded during each 6-inch increment and used as a qualitative determination of soil consistency and density.

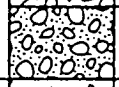
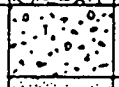
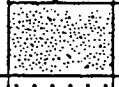
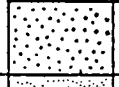
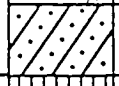
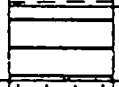
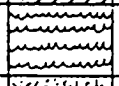
iv. The lead, or deepest, brass ring is recovered from the sampler, sealed by taping aluminum foil and plastic caps onto both ends, labeled, placed in a Zip-loc bag, and stored on blue ice while awaiting delivery to the laboratory for analysis.

v. The sample is recorded on a Chain-of-Custody form to ensure traceability of the sample.

vi. The sampled interval is classified using the remaining rings and described on a log of soil boring form, following the Unified Soil Classification System.

KEY TO BORING LOG SYMBOLS

SOIL DESCRIPTIONS USED IN THIS REPORT ARE IN GENERAL ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM.

MAJOR DIVISONS			GROUP SYMBOLS		TYPICAL NAMES
COARSE GRAINED SOILS (MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE)	GRAVELS (MORE THAN 50% OF COARSE FRACTION IS LARGER THAN THE NO. 4 SIEVE SIZE)	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	Well-graded gravels or gravel sand mixtures, little or no fines.
				GP	Poorly-graded gravels or gravel sand mixture, little or no fines.
		GRAVELS WITH FINES (APPRECIABLE AMT. OF FINES)		GM	Silty gravels, gravel-sand-clay mixtures.
				GC	Clayey gravels, gravel-sand-clay mixtures.
	SANDS (MORE THAN 50% OF COARSE FRACTION IS SMALLER THAN THE NO.4 SIEVE SIZE)	CLEAN SANDS (LITTLE OR NO FINES)		SW	Well-graded sands or gravelly sands, little or no fines.
				SP	Poorly-graded sands or gravelly sands, little or no fines.
		SANDS WITH FINES (APPRECIABLE AMT. OF FINES)		SM	Silty sands, sand-silt mixtures.
				SC	Clayey sands, sand-clay mixtures.
FINE GRAINED SOILS (MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE)	SILTS AND CLAYS (LIQUID LIMIT LESS THAN 50)			ML	Inorganic silts & very fine-grained sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.
				CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
				OL	Organic silts and organic silt-clays of low plasticity.
	SILTS AND CLAYS (LIQUID LIMIT GREATER THAN 50)			MH	Inorganic silts, micaceous or diatomaceous fine-grained sandy or silty soils, elastic silts.
				CH	Inorganic clays of high plasticity, fat clays.
				OH	Organic clays of medium to high plasticity.
HIGHLY ORGANIC SOILS				PT	Peat and other highly organic soils.
				AF	Artificial fill material.

PARTICLE SIZE LIMITS

SILT OR CLAY	SAND			GRAVEL		COBBLES	BOULDERS
	FINE	MEDIUM	COARSE	FINE	COARSE		
NO.200	NO.40	NO.10	NO. 4	3/4 IN.	3 IN.	12 IN.	

BOUNDRY CLASSIFICATIONS: Soils possessing characteristics of two groups are designated by combinations of group symbols.

DASHED LINES used to separate soil types represent approximate or gradational contacts.

SOLID LINES represesent sharp contacts.

B1-5 SAMPLE NUMBER

BLOWS/6" Numbers of BLOWS to drive sampler 6" into undisturbed soil. Driving weight of hammer and height of drop specified on page 1.

OVA Organic Vapor Analyzer reading in parts per million (ppm).

SAMPLE TYPES

	SPLIT-SPOON/RING
	CORE
B	BULK/JAR
	NO RECOVERY
	NOT SAMPLED

WELL CONSTRUCTION/ BORING COMPLETION

	SAND PACK/FILTER PACK
	BENTONITE ANNULAR SEAL
	BENTONITE/CEMENT ANNULAR SEAL
	CEMENT ANNULAR SEAL
	DRILL CUTTINGS
	BLANK CASING
	MACHINE-SLOTTED CASING

GeoResearch

FIELD LOG OF BORING

BORING/WELL I.D. B1
SHEET 1 OF 3

PROJECT NAME	PROJECT NUMBER	ELEVATION AND DATUM	REFERENCE
UNOCAL #4734 - Lebec	937060500	1500' Above MSL	USGS Topo - Grapevine, 1974

DRILLING COMPANY	DRILLER	DATE & TIME STARTED	DATE & TIME COMPLETED
Valley Well Drilling	Russ O'Malia	02/04/93 0920	02/04/93 1200

DRILLING EQUIPMENT METHOD	DIRECTION OF BORING	TOTAL DEPTH OF BORING
Hollow-Stem Auger B-90	[x] VERTICAL [ ] SLANT _____ DEG. FROM VERT	65 Feet

SIZE AND TYPE OF BIT	TOTAL NO. OF SAMPLES	BULK	SS	OTHER
	7		7	

DRILLING FLUID	WATER LEVEL	FIRST	AFTER HOURS

SAMPLER Modified CA Split Spoon	HYDROGEOLOGIST/DATE	CHECKED BY/DATE
TYPE DRIVING WT. DROP	Kevin Clutter 02/04/93	Steve Curra 02/10/93

DEPTH (FEET)	WELL CONST CSG	WELL CONST FILL	OVA (PPM)	SAMPLES NO.	SAMPLES TYPE	SAMPLES BLOWS /6"	GRAPH. LOG	SOIL CLASS (USCS)	DESCRIPTION OF MATERIALS	REMARKS
0								SP	EXCAVATION BACKFILL GRAVELLY SAND (SP)-Pale yellowish-brown (10YR, 6/2), fine to medium grained sand, some cobbles, damp, no petroleum hydrocarbon odors	
10									GRAVELLY SAND-As above	
20									GRAVELLY SAND-As above	

GeoResearch

FIELD LOG OF BORING

BORING/WELL I.D. B1
SHEET 2 OF 3

PROJECT NAME	PROJECT NUMBER	HYDROGEOLOGIST	CHECKED BY/DATE
UNOCAL #4734 - Lebec	937060500	Kevin Clutter 02/04/93	Steve Curra 02/10/93

DEPTH (FEET)	WELL CONST CSG	WELL CONST FILL	OVA (PPM)	SAMPLES NO.	SAMPLES TYPE	SAMPLES BLOWS /6"	GRAPH. LOG	SOIL CLASS (USCS)	DESCRIPTION OF MATERIALS	REMARKS
								SP		
30									GRAVELLY SAND-As above	
35						14 21		SW		
			0	B1-35 0945		35			SAND (SW)-Moderate brown (5YR, 4/4) some gravel, very dense, damp, no petroleum hydrocarbon odor	Full sample
40						50/2"		SP		
			N/A	B1-40 0955		40			SAND (SP)- Pale yellowish-brown (10YR, 6/2), fine to medium-grained sand, some cobbles, some boulders, very dense, damp, no petroleum hydrocarbon odors	Tube 1/4 full
45						23 40				
			0	B1-45 1005		50/5"			SAND-As above	Tube 3/4 full
50										
			N/A	B1-50 1015		50/4"			SAND-As above	Tube 1/4 full
55						40				
				B1-55 1025		50/3"			SAND-As above	
60										

GeoResearch

FIELD LOG OF BORING

BORING/WELL I.D. B1
SHEET 3 OF 3

PROJECT NAME	PROJECT NUMBER	HYDROGEOLOGIST	CHECKED BY/DATE
UNOCAL #4734 - Lebec	937060500	Kevin Clutter 02/04/93	Steve Curra 02/10/93

DEPTH (FEET)	WELL CONST CSG	WELL CONST FILL	OVA (PPM)	SAMPLES NO.	SAMPLES TYPE	SAMPLES BLOWS /6"	GRAPH. LOG	SOIL CLASS (USCS)	DESCRIPTION OF MATERIALS	REMARKS
						100/4"		SP	SAND-As above except fine-grained sand	No recovery
				B1-60 1145		100/5"			SAND-As above	Full sample
65						50				
				B1-65 1155		50/3"			SAND-As above	Full sample
									Total Depth - 65 Feet	
70										

SUMMARIES OF LABORATORY ANALYTICAL METHODS: SOIL SAMPLES

The following briefly describes laboratory analyses performed on soil samples in accordance with the specified EPA or California Department of Health Services methods.

EPA Method 8020: Volatile Aromatic Organics

Volatile aromatics are determined by purge and trap followed by gas chromatography/photoionization detector (GC/PID). Normally only Benzene, Toluene, Ethylbenzene and total Xylenes are analyzed with this method. A small amount of sample (about 1 gram) is placed in a purge vessel and 5 ml water added. The sample is purged for a specific time and the volatiles absorbed on a trap. After purging the trap is heated and the volatiles swept into the GC. The analytes are separated using a capillary column and detected using a photoionization detector.

Total Petroleum Hydrocarbons - Gasoline

The volatile components of gasoline are determined by purge and trap followed by gas chromatography/flame ionization detector (GC/FID). A small amount of sample (about 1 gram) is placed in a purge vessel and 5 ml water added. The sample is purged for a specific time and the volatiles absorbed on a trap. After purging the trap is heated and the volatiles swept into the GC. The analytes are separated using a capillary column and detected using an FID. The total petroleum hydrocarbon as gasoline (TPH-G) is determined as the total amount of volatiles detected.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED :	02/04/93
DATE RECEIVED:	02/05/93
DATE ANALYZED:	02/08/93
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-11
ANALYSES:	TPH-G

PROJECT NAME: UNOCAL #4734
9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
B1-35	ND	1.0
B1-45	ND	1.0
B1-55	ND	1.0
B1-65	ND	1.0

ND - Not detected below indicated limit of detection.

Analyst: RV

Reviewed and Approved: [signature]
Report date: 2/8/93

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - GASOLINE

GEOTEST CLIENT NAME: GEORESEARCH ELAP Certification #1225
GEOTEST PROJECT NO: 92400-11 Analyses prep method:5030
GEOTEST PROJECT NAME: UNOCAL #4734 Analyses method:DHS TPH-G
DATE ANALYZED:02/08/93
SAMPLE MATRIX:SOIL

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	1.0

	% ACCURACY	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	99	70 - 130

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE	102	70 - 130

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	106	70 - 130

	RELATIVE PERCENT DIFFERENCE	ACCEPTABLE RANGE %
	2.8	0 - 25

Checked and Approved: _____

Report Date: 2/8/93

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

GEORESEARCH
3960 GILMAN STREET
LONG BEACH, CA 90815

ATTENTION: WARREN GROSS

DATE SAMPLED : 02/04/93
DATE RECEIVED: 02/05/93
DATE ANALYZED: 02/08/93
SAMPLE MATRIX: SOIL
CLIENT ID : 937060500
GEOTEST PROJECT NO.: 92400-11
ANALYSES: BTEX

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF ORGANIC AROMATICS
EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
B1-35	ND	ND	ND	ND
B1-45	ND	ND	ND	ND
B1-55	ND	ND	ND	ND
B1-65	ND	ND	ND	ND

ND - Not detected below indicated limit of detection

Analyst: RV

Reviewed and Approved: _____
Report date: 2/8/93

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST is a division of GEOSERVICES, a California corporation.

ORIGINAL

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF BTEX BY GC/PID

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 02/08/93
SAMPLE MATRIX: SOIL

ELAP Certification #1225
Analyses prep method:5030
Analyses method:8020

METHOD BLANK	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
Benzene	ND	0.005
Toluene	ND	0.005
Ethylbenzene	ND	0.005
Total Xylenes	ND	0.015

LABORATORY CONTROL STANDARD	% ACCURACY	ACCEPTABLE RANGE %
Benzene	87	70-130%
Toluene	100	70-130%
Ethylbenzene	101	70-130%
Total Xylenes	103	70-130%

	MATRIX SPIKE % RECOVERY	MATRIX DUPLICATE % RECOVERY	ACCEPTABLE RANGE %
Benzene	92	94	70-130%
Toluene	98	100	70-130%
Ethylbenzene	106	109	70-130%
Total Xylenes	105	109	70-130%

	RELATIVE PERCENT DIFFERENCE	ACCEPTABLE RANGE %
Benzene	2.3	0-25%
Toluene	2.0	0-25%
Ethylbenzene	2.7	0-25%
Total Xylenes	3.7	0-25%

Checked and Approved: [signature]

Report Date: 2/8/93

GeoResearch
3960 E. Gilman Street
Long Beach, 90815
Telephone: (310) 498-9515 (800) 624 5744

CHAIN-OF-CUSTODY RECORD

EOT
PROJECT NO: _____
DATE _____ PAGE ___ OF ___

PROJECT NAME Unocal 4734 - Lebec
ADDRESS 9068 West Grapevine Rd, Lebec, CA
SAMPLER'S SIGNATURE Kevin L Clutter
PRINTED NAME Kevin L. Clutter
CLIENT PROJECT NO. 937060520
PROJECT MANAGER Warren Gross

SAMPLE NO.	DATE	TIME	LOCATION	METHODS: TPH GASOLINE	TPH DIESEL	BTEX	418.1	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
B1-35	2/4/93	0945	35'	X		X		SOIL	BRASS	1	
B1-40		0955	40'								HOLD
B1-45		1005	45'	X		X					
B1-50		1015	50'								HOLD
B1-55		1025	55'	X		X					
B1-60		1145	60'								HOLD
B1-65		1155	65'	X		X					

1 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE	5 RELINQUISHED BY	DATE
SIGNATURE Kevin L. Clutter	2/4/93	SIGNATURE		SIGNATURE	
PRINTED NAME Kevin L. Clutter	TIME 1600	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY GeoResearch		COMPANY		COMPANY	
2 RECEIVED BY	**DATE**	**4 RECEIVED BY**	**DATE**	**6 RECEIVED BY (LAB)**	**DATE**
SIGNATURE		SIGNATURE		SIGNATURE	2/5/93
PRINTED NAME	TIME	PRINTED NAME	TIME	PRINTED NAME	TIME 1330
COMPANY		COMPANY		COMPANY	

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS

Please print or type. Form designed for use on elite (12-pitch) typewriter.

Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. [redacted] 98205582 | Manifest Document No. [redacted] | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
(WOCA/Corporation 55# 4734
2000 Crow Canyon Place San Ramon Calif. 94583

4. Generator's Phone (510) 277-2327

A. State Manifest Document Number 92227849

B. State Generator's ID

5. Transporter 1 Company Name: MP ENVIRONMENTAL SERVICES, INC. | 6. US EPA ID Number: CAT000624424

C. State Transporter's ID 305917

D. Transporter's Phone 805/393-1151

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: GIBSON OIL AND REFINING, END OF COMMERCIAL DR, BAKERSFIELD, CA 93308 | 10. US EPA ID Number: CAD980883177

G. State Facility's ID CAD980883177

H. Facility's Phone 805/326-2178

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Numbers
a. NON RCRA HAZARDOUS WASTE LIQUID	001	TT	01/150	GL	State 523 EPA/Other ONLY
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

RECEIVED NOV - 4 1992

J. Additional Descriptions for Materials Listed Above: OIL/WATER/DIESEL RINSATE WATER
RELEASE # 10953

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information
GLOVES, GOGGLES AND PROTECTIVE CLOTHING
EMERGENCY PHONE #800/458-3036
Act Acct = 1318.80 15403

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Herb Lang		10	08	92

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
R. J. DAVIS	R J Davis	10	08	92

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Rick Wilkerson		10	08	92

DO NOT WRITE BELOW THIS LINE.

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

92227849

DTSC 8022A (12/91)
EPA 8700—22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

GeoResearch

1713 Tulare, Suite 113
Fresno, California 93721
(209) 264-0444
(800) 523-4786
Fax: (209) 264-9800

January 26, 1993

Ms. Flora Darling
Kern County Environmental Health
Services Department
2700 'M' Street, Suite 300
Bakersfield, California 93301

RE: Work Plan for Additional Drilling and Collection of Confirmation Soil Samples, Unocal Service Station No. 4734, 9068 Grapevine Road, Lebec, California, GeoResearch Project No. 92075.

Dear Ms. Darling:

On behalf of Unocal, GeoResearch is pleased to submit this work plan for additional drilling and soil sampling at the above-referenced site (Attachment 1).

The Unocal station occupied the site from 1961 until its demolition in October, 1992. It operated as a retail outlet for the dispensing of motor fuels and as an automotive repair facility, although repairs had not been performed at the station for some time prior to its demolition. The station had two 10,000-gallon diesel USTs and one 280-gallon waste-oil UST located on site. According to the Unocal station dealer, Mr. Rose, the USTs were replaced after he acquired the dealership in 1977. A Phase I Environmental Site Assessment report prepared by PHR (1991) for the subject property states that a leak in a super (92 octane) product dispenser was discovered and repaired in June, 1981. The piping to the dispensers had been replaced the previous month. No information is available as to which dispenser was leaking, the amount of gasoline lost, or any remedial activities performed.

Soils beneath the site consist of Pleistocene age material of the Tulare formation which is derived from alluvium and bedrock off the Tehachapi Mountains approximately one-half mile to the south. Shallow soils consist predominantly of silts and silty sands. Coarse granitic gravels, cobbles, and boulders were encountered near surface to 45 feet below ground surface (bgs). According to Mr. Haselbacher of the Kern County Environmental Health Services Department (KCEHSD), ground water in the vicinity of the site is estimated to be 1,000 to 1,200 feet bgs.

GeoResearch is a division of GEOSERVICES, a California corporation

During the recent station demolition (October of 1992) soil containing elevated concentrations of total petroleum hydrocarbons as gasoline (TPH-G) was identified beneath the westernmost dispenser island (Figure 1). With the approval of Mr. Chris Finberg (KCEHSD), an attempt was made to excavate the hydrocarbons; however, confirmation samples collected at 35 feet below ground surface (bgs) indicated that concentrations of TPH-G as high as 3,500 mg/kg still remained. Boulders of up to 3 feet in diameter accompanied by very coarse gravels were also encountered in the excavation. The scope and findings of the completed investigation/remediation are reported in the GeoResearch Tank Closure Report dated January 25, 1993.

The purpose of the proposed investigation is to demonstrate the limit of the vertical extent of remaining gasoline and determine the suitability of the site for closure by KCEHSD. In the event that substantial quantities of gasoline are found to remain in the soil, the data will be utilized to formulate a plan for further site remediation.

We propose drilling one soil boring near the center of the former dispenser island utilizing a Failing F10 drill rig (Figure 1). This boring will be completed by hollow stem auger methods, if possible. If soil conditions do not facilitate this method of drilling, a change-over to a mud rotary system will be made utilizing the same drilling rig. Undisturbed soil samples will be attempted every five feet after 35 feet bgs. The excavation completed in this area extended to a depth of approximately 35 feet bgs. Soil samples will be collected using GeoResearch procedures outlined in Attachment 2. Soil samples will be screened with a portable organic vapor analyzer (OVA) for preliminary estimation of hydrocarbon content. An attempt will be made to collect a minimum of two consecutive samples with no detectable concentrations of TPH-G or BTEX. Selected soil samples will be analyzed for TPH-G/BTEX by a state-certified analytical laboratory. Laboratory analysis analytical methods and QA/AC procedures are outlined in Attachment 3.

On the basis of the findings of our initial investigation (as contained in the above-referenced report), we anticipate that the vertical extent of gasoline in soils may not exceed 50 to 60 feet and that relatively little lateral spreading has occurred. In the event that the depth of gasoline in soils is found to substantially exceed the estimated extent or findings suggest the likelihood of substantial lateral spread, Unocal may elect to complete additional borings to determine the lateral extent of gasoline in site soils.

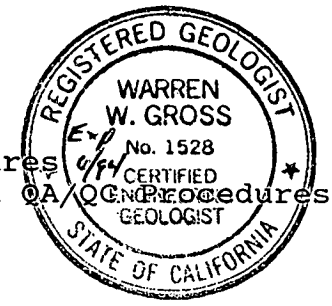
Equipment and procedures utilized would be the same as those used for the first boring. Details of the proposed scope of work, in compliance with KCEHSD requirements for this type of work, as we understand them, are included in the attached proposed scope of work. A Health and Safety Plan for the project is enclosed with this letter for your review.

Unocal is prepared to authorize the completion of this work as soon as work plan approval is given by your department. We appreciate consideration of this matter at your earliest convenience. If you have any questions, please contact the undersigned at (209) 264-0444.

Sincerely,

Blair Redfearn
Senior Staff Geologist

Warren W. Gross, C.E.G. #1528
Associate Geologist



Attachments: Proposed Scope of Work
GeoResearch Soil Sampling Procedures
Laboratory Analytical Methods and QA/QC Procedures
Boring Location Map

enclosures

4734ADDL.WP012193F4

ATTACHMENT 1

PROPOSED SCOPE OF WORK

1) Obtain required drilling permits.

2) A site health and safety plan has previously been prepared for this site. All field work will be performed in accordance with this plan.

3) Contact Underground Service Alert and notify of boring location.

4) Drill one vertical boring near the center of the former westernmost dispenser island. Undisturbed Samples will be obtained every 5 feet after 35 feet bgs utilizing hollow stem auger methods (if possible). If hollow stem auger methods are not feasible, a mud rotary system will be employed.

5) Soil boring soil samples will be screened with a portable organic vapor analyzer (OVA) to help select samples for analysis. Samples will be submitted to GEOTEST, a state of California-certified laboratory in Long Beach. In an effort to define the vertical extent of petroleum constituents in the boring, an attempt will be made to obtain two consecutive five foot soil samples that contain no detectable contaminants of concern.

6) Selected samples will be analyzed for Total Petroleum Hydrocarbons as Gasoline (TPH-G) by CAL/DOHS methods and benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA method 8020.

7) Backfill boring with neat cement or cement/sand slurry.

8) Drill cuttings will be placed on and covered with plastic in one location on the subject property. Cuttings with field evidence of petroleum hydrocarbon concentrations will be stockpiled separately.

9) All drilling, logging, and soil sampling will be conducted in accordance with standard GeoResearch procedures under the direction of a Certified Engineering Geologist. Drilling of soil borings will be conducted only by a contractor who maintains a valid C-57 license and proof of workmen's compensation.

10) Based on results from the first boring, additional borings may be drilled to define the vertical and horizontal extent of the gasoline in site soils. Equipment and procedures utilized will be the same as those used for the initial boring.

11) A written report of our findings and recommendations will be prepared. Upon approval by Unocal, the report will be submitted to KCEHSD.

ATTACHMENT 2

GEORESEARCH PROCEDURES FOR SOIL SAMPLING DURING DRILLING

The following outline describes the procedures utilized by GeoResearch for soil sampling during drilling, using hollow-stem, continuous-flight augers or convensional mud rotary methods.

i. Soil samples are collected using a 2.0 to 2.5-inch inside diameter, modified California split-spoon sampler. The sampler is lined with two to three, 6-inch long, 2.0 to 2.5-inch diameter brass rings for containment of the soil samples.

ii. To avoid cross-contamination of samples, the sampler and rings are washed prior to each use with non-phosphate detergent and double rinsed with distilled water.

iii. At the prescribed sampling interval of 5 feet, the sampler is attached to the drive rod and driven 18 inches into undisturbed soil below the lead auger, or drill bit, with a 140-pound hammer that is repeatedly dropped from a 30-inch height. The number of drops is recorded during each 6-inch increment and used as a qualitative determination of soil consistency and density.

iv. The lead, or deepest, brass ring is recovered from the sampler, sealed by taping aluminum foil and plastic caps onto both ends, labeled, placed in a Zip-loc bag, and stored on blue ice while awaiting delivery to the laboratory for chemical analysis.

v. The sample is recorded onto a Chain-of-Custody form to ensure trackability of the sample.

vi. The sampled interval is classified using the remaining rings and described on a log of soil boring form, following the Unified Soil Classification System.

vii. Every 10th sample collected will be used as a duplicate sample to determine analytical precision and accuracy. In addition, a field blank will be collected from a newly opened bag of gravel pack material and analyzed to test for cross contamination of soil samples.

CONTRACT OPTIONS FOR LEAKING TANKS
Site Specific Time Accounting Sheet

Permit # 330097	Site Specific Status Changes:
Employee #	
Employee Signature	
Site Name or Address Unocal-grape Vine	#5
Funding (Local, State, of Federal)	

Date	Category Code	Activity Code	Description	Hours (10ths)
1/6/93	02	15		1.5

Notes: Review of file & Data
draft Letter

1/7/92 continued Review of Report 4/92 1.0

1/15/93 Spoke with Bob Boust - Unocal
(510) 277-2334 re: needed wp. 0.2

Data Entered By: Date:

CONTRACT OPTIONS FOR LEAKING TANKS
Site Specific Time Accounting Sheet

Permit # 330097	Site Specific Status Changes:
Employee #	
Employee Signature	#9
Site Name or Address Unocal - Grape Vine	
Funding (Local, State, of Federal)	

Date	Category Code	Activity Code	Description	Hours (10ths)
3/9/93	08	15/07		1.5

Notes: Review add SC Report & File Review
draft closure

3/15/93 08/7
SC Review of file for final closure approval
0.6

Data Entered By: Date:

CONTRACT OPTIONS FOR LEAKING TANKS
Site Specific Time Accounting Sheet

Permit # 330097	Site Specific Status Changes:
Employee #	
Employee Signature	#7
Site Name or Address Union oil Station — Grapevine	
Funding (Local, State, of Federal)	

Date	Category Code	Activity Code	Description	Hours (10ths)
1/28/93	08	15/12		2.0

Notes: Removed wp 1 Sail boring W. Dispenser area to define Vertical extent TPHg — Telephone conf R. Boust of Union oil (510) 277-2334 re: drill Rig — no mud — use air hammer — He will contact Geo Research with change request — otherwise approval granted

Data Entered By: Date:

CONTRACT OPTIONS FOR LEAKING TANKS
Site Specific Time Accounting Sheet

Permit # 330097	Site Specific Status Changes:
Employee #	
Employee Signature	#7
Site Name or Address: Uno Cal — Grapevine	
Funding (Local, State, of Federal)	

Date	Category Code	Activity Code	Description	Hours (10ths)
2/4/93	08	10		4.0

Notes: On site during Boring Operation
High winds — 55 FT depth — N.D.

Data Entered By: Date:

Env. Health 280 4113 137 (Rev. 5/88)

Date Entered By:	Date:
Notes:	

Date	Code Category	Code Activity	Description	Hours (10ths)
[illegible]	[illegible]	19		

Funding (Local, State, or Federal)	
Site Name or Address	
Employee Signature	
Employee #	
Permit #	Site Specific Status Changes:

Site Specific Time Accounting Sheet
CONTRACT OPTIONS FOR LEAKING TANKS

Date Entered By:	Date:
Notes:	

Date	Code Category	Code Activity	Description	Hours (10ths)

Funding (Local, State, or Federal)	
Site Name or Address	
Employee Signature	
Employee #	
Permit #	Site Specific Status Changes:

Site Specific Time Accounting Sheet
CONTRACT OPTIONS FOR LEAKING TANKS

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

STEVE McCALLEY, R.E.H.S.
DIRECTOR

2700 "M" Street, Suite 300
Bakersfield, CA 93301
(805) 861-3636
(805) 861-3429 FAX

January 7, 1993

Robert Boust
Unocal Corporation
2000 Crow Canyon, Suite 400
San Ramon, CA 94583

SUBJECT:
Location: 9068 W. Grapevine Road, Lebec, CA
Known As: Union Oil Service Station #4734
PERMIT #: 330097

Dear Mr. Boust:

The intent of this letter is to inform you of the necessary deadlines for work required at the property described above. As a responsible party for a leaking underground storage tank, you have previously received a letter from this Department notifying you of the required work necessary to identify the extent of the contamination. We are now requesting that this work, outlined in UT-35, be done in a timely manner.

In accordance with California Health and Safety Code, Chapter 6.7, and Kern County Ordinance Code, Chapter 8.48, the Kern County Environmental Health Services Department requires a determination of the threat to the environment. Accordingly, you must select an environmental contractor and submit a site characterization workplan proposal to this office by **February 8, 1993.** The workplan must be approved by this Department before any work is started.

If you should have any questions regarding this matter, please contact me immediately at (805) 861-3636, Ext. 549.

Sincerely,

Steve McCalley, Director

By: Flora Darling, R.E.H.S., R.E.A.
Hazardous Materials Specialist III
Hazardous Materials Program

FD:cas

\330097hm.121

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

STEVE McCALLEY, R.E.H.S.
DIRECTOR

2700 "M" Street, Suite 300
Bakersfield, CA 93301
(805) 861-3636
(805) 861-3429 FAX

January 7, 1993

Tejon Ranch
P. O. Box 1000
Lebec, CA 93234

SUBJECT: Location: 9068 W. Grapevine Road, Lebec, CA
Known As: Union Oil Service Station #4734
PERMIT #: 330097

Gentlemen:

The intent of this letter is to inform you of the necessary deadlines for work required at the property described above. As a responsible party for a leaking underground storage tank, you have previously received a letter from this Department notifying you of the required work necessary to identify the extent of the contamination. We are now requesting that this work, outlined in UT-35, be done in a timely manner.

In accordance with California Health and Safety Code, Chapter 6.7, and Kern County Ordinance Code, Chapter 8.48, the Kern County Environmental Health Services Department requires a determination of the threat to the environment. Accordingly, you must select an environmental contractor and submit a site characterization workplan proposal to this office by February 8, 1993. The workplan must be approved by this Department before any work is started.

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Sincerely,

Steve McCalley, Director

By: Flora Darling, R.E.H.S., R.E.A.
Hazardous Materials Specialist III
Hazardous Materials Program

FD:cas

\330097-2.121

330097

Office Memorandum • KERN COUNTY

TO : Annette Givens DATE: 12/23/92

FROM : Chris Finberg Telephone No. ext 564

SUBJECT: Work Order # 20055

This facility (PTO #330097) is a Unocal station which pulled tanks + required an additional inspection.

Geo Research was the original Responsible Party since they requested the extra inspection.

Now they and Unocal are requesting that Unocal get invoiced.

Please change the Responsible Party on W.O. # 20055 from GeoResearch to

Unocal Corporation
ATTN: Bob Boust
P.O. Box 5155
San Ramon, CA
94583

Geo Research has been told to disregard the invoice they received + Unocal is expecting a new one.

Attachment

RMA Accounting Instructions

Account/Permit No. 3300970-93 Date 10/5

Action To Be Taken:

☐ cancel/delete account ☐ closure of business
date of closure_____

☐ other (explain below)

Reason For Action:

See attached

Status of Account:

☐ waive permit/service fee

☒ waive late charges

Specialist_____

Chief_____

Director_____

Accounting Use Only:

Action Taken_____ Date_____

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

STEVE McCALLEY, R.E.H.S.
DIRECTOR

2700 "M" Street, Suite 300
Bakersfield, CA 93301
(805) 861-3636
(805) 861-3429 FAX

November 11, 1992

L.W. Perry
Operator
Star Rt. 1, Box 24
Lebec, CA 93234

SUBJECT: Location: 9068 W. Grapevine Rd.
Lebec, CA 93234
Known as: Union Oil SS#4734
PERMIT #: 330097

Dear Mr. Perry:

This letter is an official notice to inform you that the property described above has been determined by Kern County Environmental Health Services Department to be the site of of hazardous materials from an underground storage tank. This use our records indicate that you are a responsible party for this

P 428 280 646

Receipt for Certified Mail
No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

L.W. Perry
Operator
Star Rt. 1, Box 24
Lebec, CA 93234

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date	11-11-92

PS Form 3800, June 1991

ou must provide for all studies and work relating to the above-he cost for oversight of these activities. California Health and , and Kern County Ordinance Code, Chapter 8.48, require a reat to the environment as a result of this release. THE SHALL, ON A TIMELY BASIS, DEVELOP A SITE FEASIBILITY STUDY AND REMEDIAL ACTION PLAN NVIRONMENTAL HEALTH SERVICES DEPARTMENT'S AL BEFORE THE WORK IS INITIATED. Enclosed you will dbook UT-35, which states the minimum required site work plan quirements for selecting environmental contractors qualified to ary of terms, example illustrations, and a section discussing the d questions.

n County Environmental Health Services Department for the e site characterization, feasibility study, remediation action plan, ng monitoring is not covered by any fees or permits. These costs nty Environmental Health Services Department in one of the two

Bakersfield, CA 93301

MAIL

RETURN RECEIPT
REQUESTED

BAKERSFIELD CALIF. NOV 12 '92 U.S.POSTAGE 3.44 PB METER 6140442

RETURNED TO SENDER

ATTEMPTED, NOT KNOWN

1500 Shafter Rd
Bakersfield, Ca 93313

L.W. Perry
Operator
Star Rt. 1, Box 24
Lebec, CA ~~93234~~ 93243

ANK

RETURNED TO SENDER

ATTEMPTED, NOT KNOWN

NAME
1st Notice
2nd Notice
Return

COLT

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

STEVE McCALLEY, R.E.H.S.
DIRECTOR

2700 "M" Street, Suite 300
Bakersfield, CA 93301
(805) 861-3636
(805) 861-3429 FAX

November 11, 1992

R.J. Rose
Operator
Star Rt. 1, Box 24
Lebec, CA 93243

SUBJECT: Location: 9068 W. Grapevine Rd.
Lebec, CA 93243
Known as: Union Oil SS#4734
PERMIT #: 330097

Dear Mr. Rose:

This letter is an official notice to inform you that the property described above has been determined by Kern County Environmental Health Services Department to be the site of hazardous materials from an underground storage tank. This e our records indicate that you are a responsible party for this

P 428 280 649

Receipt for Certified Mail
No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

UNITED STATES POSTAL SERVICE

R.J. Rose
Operator
Star Rt. 1, Box 24
Lebec, CA 93234

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	$

Postmark or Date
11-11-92

PS Form 3800, June 1991

ENDER:
Complete items 1 and/or 2 for additional services.
Complete items 3, and 4a & b.
Print your name and address on the reverse of this form so that we can return this card to you.
Attach this form to the front of the mailpiece, or on the back if space does not permit.
Write "Return Receipt Requested" on the mailpiece below the article number.
The Return Receipt will show to whom the article was delivered and the date delivered.

RECEIVED NOV 18 1992

3. Article Addressed to:
R.J. Rose
Operator
Star Rt. 1, Box 24
Lebec, CA 93234

4a. Article Number P 428 280 649

4b. Service Type
☒ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☒ Return Receipt for Merchandise

I also wish to receive the following services (for an extra fee):
1. ☐ Addressee's Address
2. ☐ Restricted Delivery
Consult postmaster for fee.

7. Date of Delivery NOV 17 1992

8. Addressee's Address (Only if requested and fee is paid)

5. Signature (Addressee)

6. Signature (Agent)

PS Form 3811, December 1991 ☆ U.S.G.P.O.: 1992-307-530 DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service.

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

STEVE McCALLEY, R.E.H.S.
DIRECTOR

2700 "M" Street, Suite 300
Bakersfield, CA 93301
(805) 861-3636
(805) 861-3429 FAX

November 11, 1992

Tejon Ranch
P.O. Box 1000
Lebec, CA 93234

SUBJECT: Location: 9068 W. Grapevine Rd.
Lebec, CA 93234
Known as: Union Oil SS#4734
PERMIT #: 330097

Gentlemen:

This letter is an official notice to inform you that the property described above has been determined by Kern County Environmental Health Services Department to be the site of [illegible] of hazardous materials from an underground storage tank. This [illegible] use our records indicate that you are a responsible party for this

P 428 280 648

Receipt for Certified Mail
No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Tejon Ranch
P.O. Box 1000
Lebec, CA 93234

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date	11-11-92

PS Form 3800, June 1991

SENDER:
- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):
1. ☐ Addressee's Address
2. ☐ Restricted Delivery
Consult postmaster for fee.

3. Article Addressed to:
Tejon Ranch
P.O. Box 1000
Lebec, CA 93234

4a. Article Number P 428 280 648

4b. Service Type
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☒ Return Receipt for Merchandise

5. Signature (Addressee) Jan Winter
6. Signature (Agent)

7. Date of Delivery
8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 ☆ U.S.G.P.O.: 1992-307-530 DOMESTIC RETURN RECEIPT

Is your RETURN ADDRESS completed on the reverse side?

Thank you for using Return Receipt Service.

/ Environmental [illegible]

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

STEVE McCALLEY, R.E.H.S.
DIRECTOR

2700 "M" Street, Suite 300
Bakersfield, CA 93301
(805) 861-3636
(805) 861-3429 FAX

November 11, 1992

Robert Boust
Unocal Corporation
2000 Crow Canyon, Ste. 400
San Ramon, CA 94583

SUBJECT: Location: 9068 W. Grapevine Rd.
Lebec, CA 93243
Known as: Union Oil SS#4734
PERMIT #: 330097

Dear Mr. Boust:

This letter is an official notice to inform you that the property described above has been determined by Kern County Environmental Health Services Department to be the site of hazardous materials from an underground storage tank. This our records indicate that you are a responsible party for this

P 428 280 647

Receipt for Certified Mail
No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Robert Boust
Unocal Corporation
2000 Crow Canyon, Ste. 400
San Ramon, CA 94583

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date	11-11-92

PS Form 3800, June 1991

SENDER:
Complete items 1 and/or 2 for additional services.
Complete items 3, and 4a & b.
Print your name and address on the reverse of this form so that we can return this card to you.
Attach this form to the front of the mailpiece, or on the back if space does not permit.
Write "Return Receipt Requested" on the mailpiece below the article number.
The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):
1. ☐ Addressee's Address
2. ☐ Restricted Delivery
Consult postmaster for fee.

3. Article Addressed to:
Robert Boust
Unocal Corporation
2000 Crow Canyon, Ste. 400
San Ramon, CA 94583

4a. Article Number P 428-280-647

4b. Service Type
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☒ Return Receipt for Merchandise

7. Date of Delivery NOV 16 1992

Signature (Addressee)

8. Addressee's Address (Only if requested and fee is paid)

Signature (Agent) Stony

RECEIVED NOV 19 1992

PS Form 3811, December 1991 ☆ U.S.G.P.O.: 1992-307-530 DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service.

by Environmental Health Services Department in the [illegible]

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY ☐ YES ☒ NO

HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED ? ☒ YES ☐ NO

REPORT DATE 0 M 7 M 1 D 4 D 9 Y 2 Y

CASE # 330097

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.
SIGNED [signature] DATE 11/3/92

REPORTED BY
NAME OF INDIVIDUAL FILING REPORT: Blair Redfearn
PHONE: (209) 264-0444
SIGNATURE: [signature]
REPRESENTING ☒ OWNER/OPERATOR ☐ REGIONAL BOARD ☐ LOCAL AGENCY ☐ OTHER
COMPANY OR AGENCY NAME: GeoResearch
ADDRESS: 1713 Tulare, Suite 113 (STREET) Fresno (CITY) CA (STATE) 93721 (ZIP)

RESPONSIBLE PARTY
NAME: Unocal Corporation ☐ UNKNOWN
CONTACT PERSON: Robert Boust
PHONE: (510) 277-2334
ADDRESS: 2000 Crow Canyon Place, Suite 400 (STREET) San Ramon (CITY) CA (STATE) 94583 (ZIP)

SITE LOCATION
FACILITY NAME (IF APPLICABLE): Unocal Service Station #4734
OPERATOR: Mr. R. L. Rose
PHONE: ( )
ADDRESS: 9068 W. Grapevine Road (STREET) Lebec (CITY) Kern (COUNTY) (ZIP)
CROSS STREET: Interstate 5

IMPLEMENTING AGENCIES
LOCAL AGENCY / AGENCY NAME: Kern County Environ. Health
CONTACT PERSON: Chris Finberg
PHONE: (805) 861-3636
REGIONAL BOARD
PHONE: ( )

SUBSTANCES INVOLVED
(1) NAME: Unleaded Gasoline — QUANTITY LOST (GALLONS): ☐ UNKNOWN ☒
(2) ☐ UNKNOWN

DISCOVERY/ABATEMENT
DATE DISCOVERED: 0 M 1 M 0 D 6 D 9 Y 2 Y
HOW DISCOVERED: ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☐ TANK TEST ☐ TANK REMOVAL ☒ OTHER Soil sampling
DATE DISCHARGE BEGAN: M M D D Y Y ☒ UNKNOWN
HAS DISCHARGE BEEN STOPPED ? ☒ YES ☐ NO IF YES, DATE M M D D Y Y
METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)
☐ REMOVE CONTENTS ☐ CLOSE TANK & REMOVE ☐ REPAIR PIPING
☐ REPAIR TANK ☐ CLOSE TANK & FILL IN PLACE ☐ CHANGE PROCEDURE
☐ REPLACE TANK ☒ OTHER Station decommissioned

SOURCE/CAUSE
SOURCE OF DISCHARGE: ☐ TANK LEAK ☐ UNKNOWN ☐ PIPING LEAK ☒ OTHER
CAUSE(S): ☐ OVERFILL ☐ RUPTURE/FAILURE ☐ SPILL ☐ CORROSION ☒ UNKNOWN ☐ OTHER

CASE TYPE
CHECK ONE ONLY
☐ UNDETERMINED ☒ SOIL ONLY ☐ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS
CHECK ONE ONLY
☐ NO ACTION TAKEN ☐ PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED ☐ POLLUTION CHARACTERIZATION
☐ LEAK BEING CONFIRMED ☒ PRELIMINARY SITE ASSESSMENT UNDERWAY ☐ POST CLEANUP MONITORING IN PROGRESS
☐ REMEDIATION PLAN ☐ CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) ☐ CLEANUP UNDERWAY

REMEDIAL ACTION
CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)
☐ CAP SITE (CD) ☐ EXCAVATE & DISPOSE (ED) ☐ REMOVE FREE PRODUCT (FP) ☐ ENHANCED BIO DEGRADATION (IT)
☐ CONTAINMENT BARRIER (CB) ☐ EXCAVATE & TREAT (ET) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ REPLACE SUPPLY (RS)
☐ VACUUM EXTRACT (VE) ☐ NO ACTION REQUIRED (NA) ☐ TREATMENT AT HOOKUP (HU) ☐ VENT SOIL (VS)
☐ OTHER (OT)

COMMENTS
Discharge presumed to be the result of gasoline spillage from the pump dispenser onto the pump island where it percolated down a crack in the concrete. Discharge not expected to exceed depth of 25'. Depth to ground water approximately 1,100 feet.

HSC 05 (8/90)

INSTRUCTIONS

EMERGENCY
Indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES) at 2800 Meadowview Road, Sacramento, CA 95832. Copies of the OES report form may be obtained at your local underground storage tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.

LOCAL AGENCY ONLY
To avoid duplicate notification pursuant to Health and Safety code Section 25180.5, a government employee should sign and date the form in this block. A signature here does not mean that the leak has been determined to pose a significant threat to human health or safety, only that notification procedures have been followed if required.

REPORTED BY
Enter your name, telephone number, and address. Indicate which party you represent and provide company or agency name.

RESPONSIBLE PARTY
Enter name, telephone number, contact person, and address of the party responsible for the leak. The responsible party would normally be the tank owner.

SITE LOCATION
Enter information regarding the tank facility. At a minimum, you must provide the facility name and full address.

IMPLEMENTING AGENCIES
Enter names of the local agency and Regional Water Quality Control Board involved.

SUBSTANCES INVOLVED
Enter the name and quantity lost of the hazardous substance involved. Room is provided for information on two substances if appropriate. If more than two substances leaked, list the two of most concern for cleanup.

DISCOVERY/ABATEMENT
Provide information regarding the discovery and abatement of the leak.

SOURCE/CAUSE
Indicate source(s) of leak. Check box(es) indicating cause of leak.

CASE TYPE
Indicate the case type category for this leak. Check one box only. Case type is based on the most sensitive resource affected. For example, if both soil and ground water have been affected, case type will be "Ground Water". Indicate "Drinking Water" only if one or more municipal or domestic water wells have actually been affected. A "Ground Water" designation does not imply that the affected water cannot be, or is not, used for drinking water, but only that water wells have not yet been affected. It is understood that case type may change upon further investigation.

CURRENT STATUS
Indicate the category which best describes the current status of the case. Check one box only. The response should be relative to the case type. For example, if case type is "Ground Water", then "Current Status" should refer to the status of the ground water investigation or cleanup, as opposed to that of soil. Descriptions of options follow:

No Action Taken - No action has been taken by responsible party beyond initial report of leak.
Leak Being Confirmed - Leak suspected at site, but has not been confirmed.
Preliminary Site Assessment Workplan Submitted - workplan/proposal requested of/submitted by responsible party to determine whether ground water has been, or will be, impacted as a result of the release.
Preliminary Site Assessment Underway - implementation of workplan.
Pollution Characterization - responsible party is in the process of fully defining the extent of contamination in soil and ground water and assessing impacts on surface and/or ground water.
Remediation Plan - remediation plan submitted evaluating long term remediation options. Proposal and implementation schedule for appropriate remediation options also submitted.
Cleanup Underway - implementation of remediation plan.
Post Cleanup Monitoring in Progress - periodic ground water or other monitoring at site, as necessary, to verify and/or evaluate effectiveness of remedial activities.
Case Closed - regional board and local agency in concurrence that no further work is necessary at the site.

IMPORTANT: THE INFORMATION PROVIDED ON THIS FORM IS INTENDED FOR GENERAL STATISTICAL PURPOSES ONLY AND IS NOT TO BE CONSTRUED AS REPRESENTING THE OFFICIAL POSITION OF ANY GOVERNMENTAL AGENCY

REMEDIAL ACTION
Indicate which action have been used to cleanup or remediate the leak. Descriptions of options follow:

Cap Site - install horizontal impermeable layer to reduce rainfall infiltration.
Containment Barrier - install vertical dike to block horizontal movement of contaminant.
Excavate and Dispose - remove contaminated soil and dispose in approved site.
Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming).
Remove Free Product - remove floating product from water table.
Pump and Treat Groundwater - generally employed to remove dissolved contaminants.
Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants.
Replace Supply - provide alternative water supply to affected parties.
Treatment at Hookup - install water treatment devices at each dwelling or other place of use.
Vacuum Extract - use pumps or blowers to draw air through soil.
Vent Soil - bore holes in soil to allow volatilization of contaminants.
No Action Required - incident is minor, requiring no remedial action.

COMMENTS - Use this space to elaborate on any aspects of the incident.

SIGNATURE - Sign the form in the space provided.

DISTRIBUTION
If the form is completed by the tank owner or his agent, retain the last copy and forward the remaining copies intact to your local tank permitting agency for distribution.

1. Original - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Clean Water Programs, Underground Storage Tank Program, P.O. Box 944212, Sacramento, CA 94244-2120
3. Regional Water Quality Control Board
4. Local Health Officer and County Board of Supervisors or their designee to receive Proposition 65 notifications.
5. Owner/responsible party.

KERN COUNTY HAZARDOUS WASTE INCIDENT REPORT

REPORTING AGENCY: K.C.E.H.D.

REPORTING PERSON: Chris FINBERG

PHONE: (805) 861-3636

LOCATION OF DISCHARGE OR THREATENED DISCHARGE

STREET ADDRESS: 9068 W. Grapevine Rd

CITY: Lebec, CA ZIP: 93243

DATE AND TIME OF KNOWLEDGE OF DISCHARGE OR THREATENED DISCHARGE: 10/30/92 14:00 HOURS

SEC T R (RURAL LOCATIONS ONLY)

DBA: Unocal station #4734

PROPERTY OWNER: Unocal Corporation

NAME AND ADDRESS OF PARTY RESPONSIBLE FOR DISCHARGE, IF KNOWN:

Unocal, INC. 2000 Crow Canyon PL., Suite 400, San Ramon CA 9455

AREA TYPE
01 ___ INDUSTRIAL
02 ___ COMMERCIAL
03 ___ RESIDENTIAL
04 X RURAL/AGRI.
05 ___ WILD LANDS
99 ___ OTHER: SPECIFY ___

SCENE TYPE:
01 ___ STATE HWY
02 X COUNTY RD
03 ___ CITY RD
04 ___ PRIVATE RD
05 ___ PUBLIC STRUCTURE
06 ___ PRIVATE STRUCTURE
07 ___ CANAL/WATERWAY
08 ___ DOMESTIC WATER WELL
09 ___ OTHER WATER WELL
10 ___ AIRPORT/RAILYARD
11 ___ EMPTY LOT
12 ___ LAKE/POND
13 ___ WOODED AREA
14 ___ DESERT
15 ___ BRUSHLAND
16 ___ OILFIELD

SOURCE OF RELEASE
01 ___ OIL REFINERY
02 ___ CHEM. MANUFACTURER
03 ___ MISC. FIXED FACILITY
04 ___ MOTOR VEHICLE
05 ___ TRAIN
06 ___ AIRCRAFT
07 ___ PIPELINE
08 ___ UNDERGROUND TANK
98 X UNKNOWN
99 ___ OTHER: ___

CIRCUMSTANCES OF RELEASE
01 ___ WHILE BEING MANUFACTURED
02 ___ WHILE IN STORAGE
03 ___ DURING NORMAL END USE
04 ___ WHILE BEING LOADED
05 ___ WHILE IN TRANSIT
06 ___ WHILE VEHICLE PARKED
07 ___ DURING VEHICLE ACCIDENT
08 ___ DURING FIRE/EXPL.
09 ___ DURING AIR CRASH
10 ___ WHILE ABANDONED
11 ___ DURING CONTAINER OR CONDUIT REPAIR
12 ___ ILLEGAL DISPOSAL
96 ___ THREATENED RELEASE ONLY; NO DISCHARGE
97 ___ RELEASE OR INCIDENT MITIGATED AT TIME OF REPORT
98 X UNKNOWN
99 ___ OTHER: ___

CAUSE OF RELEASE
01 ___ EQUIPMENT FAILURE
02 ___ VANDALISM
03 ___ ACT OF NATURE
04 ___ ACCIDENT
05 ___ ILLEGAL DISPOSAL
98 X UNKNOWN
99 ___ OTHER: ___

LIST THE ONE, TWO OR THREE MOST SIGNIFICANT SUBSTANCES DISCHARGED OR THREATENED TO BE DISCHARGED:

[1] CHEM. NAME/MAJOR COMPONENT: GASOLINE
COMMON NAME: ___
HAZARD: X TOXIC X FLAMMABLE ___ REACTIVE ___ CORROSIVE ___ RADIOACTIVE
___ PURE ___ SOLID ___ MIX X LIQ. X WASTE ___ GAS
DOT ID NUMBER: 1203

[2] CHEM. NAME/MAJOR COMPONENT: ___
COMMON NAME: ___
HAZARD: ___ TOXIC ___ FLAMMABLE ___ REACTIVE ___ CORROSIVE ___ RADIOACTIVE
___ PURE ___ SOLID ___ MIX ___ LIQ. ___ WASTE ___ GAS
DOT ID NUMBER: ___ ___ ___ ___

[3] CHEM. NAME/MAJOR COMPONENT: ___
COMMON NAME: ___
HAZARD: ___ TOXIC ___ FLAMMABLE ___ REACTIVE ___ CORROSIVE ___ RADIOACTIVE
___ PURE ___ SOLID ___ MIX ___ LIQ. ___ WASTE ___ GAS
DOT ID NUMBER: ___ ___ ___ ___

	CONCENTRATION CHEMICAL #	AMOUNT AT RISK CHEMICAL #	AMOUNT RELEASED CHEMICAL #
[1]	___	___	___
[2]	___	___	___
[3]	___	___	___

IMPORTANT ADDITIONAL COMMENTS/DETAILS: (USE REVERSE IF NECESSARY)

Soil Contamination Discovered during underground tank removal

HEALTH AND ENVIRONMENTAL CONTAMINATION:
INDICATE ACTUAL ("A") OR POTENTIAL ("P") FOR APPLICABLE ITEMS

	CHEM 1	CHEM 2	CHEM 3
01 AIR	P	___	___
02 CANAL/WATERWAY	___	___	___
03 LAKE/POND	___	___	___
04 SOIL	A	___	___
05 CROPS	___	___	___
06 LIVESTOCK	___	___	___
07 WILDLIFE	___	___	___
08 WOODED AREA	___	___	___
09 DESERT	___	___	___
10 BRUSHLAND	___	___	___
11 FOODSTUFFS	___	___	___
12 GROUNDWATER	P	___	___
13 DWELLING	___	___	___
14 HUMANS	P	___	___
99 OTHER:	___	___	___

INTERNAL USE ONLY:

IDENTIFICATION # ___

INVESTIGATION REFERRAL MADE TO: ___

HEALTH RISK ASSESSMENT RANKING: ___

INFORMATION PHONED-IN? Y___ N___ IF YES, DATE ___ TAKEN BY: ___

DATE REPORT RECEIVED BY HEALTH DEPARTMENT ___

COMPUTER INPUT (CHECK) ___ CLERK'S INITIALS ___

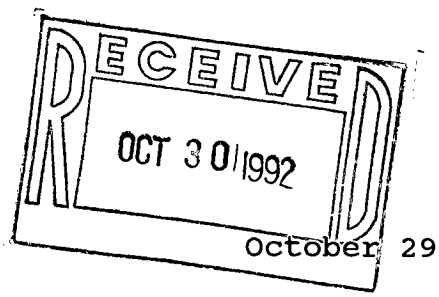
DATE OF NOTIFICATION OF HEALTH OFFICER ___ BOS ___

DATE OF NOTIFICATION OF MEDIA ___

FORM #HMMP-130

GeoResearch

1713 Tulare, Suite 113
Fresno, California 93721
(209) 264-0444
(800) 523-4786
Fax: (209) 264-9800



October 29, 1992

Mr. Chris Finberg
Hazardous Materials Specialist
Resource Management Agency
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, California 93301

RE: Laboratory results for the required soil samples collected at Unocal Service Station No. 4734, 9068 West Grapevine Road, Lebec, California.

Dear Mr. Finberg:

Enclosed are the hard copies of laboratory reports for the KCEHD required soil samples at the above-referenced location, per your request. Please note that additional soil samples not reported here have been analyzed and a full report of our investigations at the site will be prepared for submittal to Unocal. Your department will be copied upon Unocal's approval.

We understand that we may proceed with the backfilling of the excavations on the site utilizing soil originating from the excavations. We further understand that the stockpiled soil on-site which is not suitable to be used as backfill material cannot be disposed without prior approval from the KCEHD.

If you have questions or need additional information please contact me at (209) 264-0444.

Sincerely,

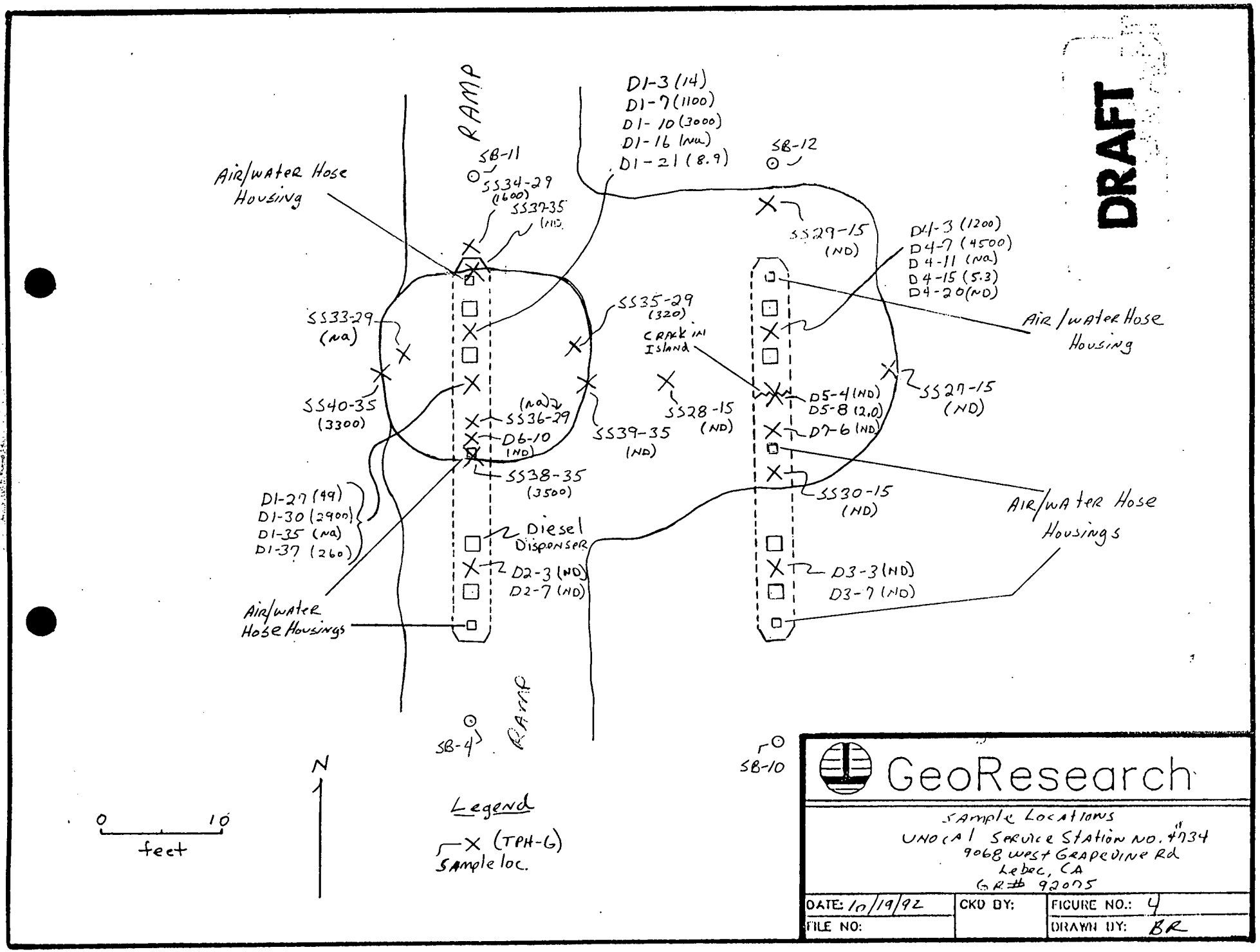
Blair Redfearn

Blair Redfearn
Senior Staff Geologist

enclosures: Laboratory Reports
2 Sample Location Maps

cc: Bob Boust, Unocal

UN4734.CTY102992F4



GeoResearch

Sample Locations
UNOCAL Service Station No. 4734
9068 West Grapevine Rd
Lebec, CA
GR# 92075

DATE: 10/19/92	CKD BY:	FIGURE NO.: 4
FILE NO:		DRAWN BY: BR

TABLE 1

RESULTS OF LABORATORY ANALYSES OF SOIL SAMPLES COLLECTED IN THE GASOLINE/DIESEL UST EXCAVATIONS UNOCAL SERVICE STATION NO. 4734 9068 WEST GRAPEVINE ROAD LEBEC, CALIFORNIA

	SAMPLE ID	SAMPLE DATE	TPH-D (DOHS) mg/kg	TPH-G (DOHS) mg/kg	B	T	E	X
					EPA METHOD 8020 (mg/kg)			
*	T1-S-14	10/9/92	ND	na	ND	ND	ND	ND
*	T1-S-18	"	ND	na	ND	ND	ND	ND
	T1-C-17	"	2200	na	ND	ND	ND	ND
	T1-C-19	"	ND	na	ND	.006	ND	.016
*	T1-N-14	"	ND	na	ND	ND	ND	0.019
*	T1-N-18	"	ND	na	ND	ND	ND	ND
*	T2-W-14	"	na	ND	ND	ND	ND	ND
*	T2-W-18	"	na	150	ND	0.11	0.071	1.6
	T2-W-20	"	na	ND	ND	ND	ND	ND
*	T2-E-14	"	na	38	ND	0.008	0.056	0.92
*	T2-E-16	"	na	11	ND	0.005	0.014	0.22
	T2-E-19	"	na	3.5	ND	ND	ND	ND
*	T3-W-14	"	na	ND	ND	ND	ND	ND
*	T3-W-18	"	na	ND	ND	ND	ND	ND
*	T3-E-14	"	na	ND	ND	ND	ND	ND
*	T3-E-16	"	na	170	ND	0.019	0.20	4.1
	T3-E-18	"	na	1.3	ND	ND	MWD	0.018
	SS5-18	"	na	ND	ND	ND	ND	ND
	SS6-18	"	na	ND	ND	ND	ND	ND
	SS7-18	"	na	ND	ND	ND	ND	ND
	SS8-18	"	na	ND	ND	ND	ND	ND

* Required Samples

TABLE 2

RESULTS OF LABORATORY ANALYSES OF SOIL SAMPLES COLLECTED
10/8/92 THROUGH 10/13/92
NEAR FUEL DISPENSERS AND PRODUCT LINES
UNOCAL SERVICE STATION NO. 4734
9068 WEST GRAPEVINE ROAD
LEBEC, CALIFORNIA

SAMPLE ID	TRPH EPA 418.1	TPH-D DOHS	TPH-G DOHS	B	T	E	X
				EPA METHOD 8020 ------ (mg/kg) ------			
* D1-3	na	na	14	0.098	0.47	0.16	1.5
* D1-7	330	na	1100	3.8	12	12	110
D1-10	na	na	3000	0.43	41	44	530
D1-21	na	na	8.9	ND	0.007	0.010	0.11
D1-27	na	na	49	0.008	0.079	0.12	1.5
D1-30	na	ND**	2900	0.043	64	53	450
D1-37	na	750*	260	0.007	23	20	170
* D2-3	ND	ND	ND	ND	ND	ND	ND
* D2-7	na	ND	ND	0.007	0.009	ND	ND
* D3-3	ND	na	ND	ND	ND	ND	ND
* D3-7	na	na	ND	ND	0.007	ND	ND
* D4-3	1400	na	1200	0.28	39	15	78
* D4-7	1200	na	4500	0.84	100	59	660
D4-11	1600	na	na	na	na	na	na
D4-15	ND	na	5.3	ND	0.19	0.067	0.60
D4-20	na	na	ND	ND	0.011	0.009	0.097
D5-4	na	na	ND	ND	ND	ND	ND
D5-8	na	na	2.0	ND	0.026	0.012	0.29
D6-10	ND	na	ND	ND	ND	ND	ND
D7-6	ND	na	ND	ND	ND	ND	ND

* Required Samples

Table 2 (Continued)

SAMPLE ID	TRPH EPA 418.1	TPH-D DOHS	TPH-G DOHS	B	T	E	X
				EPA METHOD 8020 (mg/kg)			
SS27-15	na	na	ND	ND	ND	ND	ND
SS28-15	na	na	ND	ND	ND	ND	ND
SS29-15	na	na	ND	ND	0.006	ND	0.016
SS30-15	na	na	ND	ND	ND	ND	ND
SS33-29	na	na	na	na	na	na	na
SS34-29	na	na	1600	ND	6.8	12	100
SS35-29	na	na	320	0.006	0.22	0.45	6.1
SS36-29	na	na	na	na	na	na	na
SS37-35	na	na	ND	ND	ND	ND	ND
SS38-35	na	na	3500	0.013	69	58	530
SS39-35	na	na	ND	ND	0.005	ND	0.018
SS40-35	na	na	3300	0.030	57	50	400
* PL1-3	ND	ND	ND	ND	ND	ND	ND
* PL1-7	na	ND	ND	ND	ND	ND	ND
* PL2-3	na	ND	na	ND	ND	ND	ND
* PL2-7	na	ND	na	ND	0.005	ND	ND
* PL3-3	ND	ND	ND	ND	ND	ND	ND
* PL3-7	na	ND	ND	ND	ND	ND	ND
DETECTION LIMITS	50	10	1.0	0.005	0.005	0.005	0.015
	mg/kg						

** Sample contains gasoline

* Note sample profile is similar to gasoline not diesel.

* Required samples

TABLE 3

RESULTS OF LABORATORY ANALYSES OF SOIL SAMPLES COLLECTED FROM 10/8/92 TO 10/9/92
WASTE-OIL UST PIT/FORMER AUTOMOTIVE HOISTS
UNOCAL SERVICE STATION NO. 4734
9068 WEST GRAPEVINE ROAD
LEBEC, CALIFORNIA

SAMPLE ID	TOTAL LEAD EPA METHOD 6010	TOX EPA METHOD 9020 (modified)	TRPH EPA METHOD 418.1
H1-5	na	na	ND
H1-10	na	na	ND
H2-5	na	na	ND
H2-10	na	na	ND
* WO-C-10	3.1	ND	ND
* WO-C-14	2.3	ND	ND
SS9-13	na	na	ND
SS10-13	na	na	ND
SS11-13	na	na	ND
SS12-13	na	na	ND
DETECTION LIMITS	1.0	10	50
	----------mg/kg----------		

* Required Samples

TABLE 4

RESULTS OF LABORATORY ANALYSES OF COMPOSITED SOIL SAMPLES
COLLECTED FROM STOCKPILES
UNOCAL SERVICE STATION NO. 4734
9068 WEST GRAPEVINE ROAD
LEBEC, CALIFORNIA

SAMPLE ID	TRPH EPA 418.1	TPH-D --CAL/DOHS--	TPH-G	B	T	E	X
				----------EPA 8020--------			
SP-1 SP-2 SP-3 SP-4	ND	na	4.2	ND	ND	ND	0.016
SP-5 SP-6 SP-7	120	na	71	ND	ND	0.006	0.92
SP-8 SP-9 SP-10 SP-11 SP-12 SP-13	71	na	6.9	ND	ND	ND	0.037
SP-14 SP-15 SP-16	500	na	ND	ND	ND	ND	ND
SP-17 SP-18 SP-19	1300	na	na	na	na	na	na
SP-20 SP-21 SP-22	120	na	na	na	na	na	na
SP-23 SP-24 SP-25	na	1100	na	ND	ND	ND	ND
SP-26 SP-27 SP-28 SP-29 SP-30	na	1000	na	ND	ND	ND	ND
SP-31 SP-32 SP-33	na	na	400	ND	1.7	2.8	34
SP-34 SP-35	na	na	160	ND	ND	0.016	1.5

Table #4(Continued)

SP-36 SP-37	na	na	31	ND	ND	0.009	0.17
SP-38 SP-39	na	na	5.6	ND	ND	ND	ND
SP-40 SP-41	na	na	4.2	ND	ND	ND	ND
SP-42 SP-43	na	na	23	ND	ND	ND	0.068
SP-44 SP-45	na	na	24	ND	ND	0.009	0.032
SP-46 SP-47	na	na	4.4	ND	ND	ND	ND
SP-48 SP-49	220	na	na	na	na	na	na
SP-50 SP-51	190	na	na	na	na	na	na
SP-52 SP-53	410	na	na	na	na	na	na
DETECTION LIMITS	50	10	1.0	---------0.005--------			0.015
	----------mg/kg----------						

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GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED :	10/09/92
DATE RECEIVED:	10/09/92
DATE ADDITIONAL ANALYSES REUQUESTED:	10/12/92
DATE ANALYZED:	10/12/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-11
ANALYSES:	TOTAL LEAD

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF TOTAL LEAD BY ICP EPA METHOD 6010

	SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
*	WO-C-10	3.1	1.0
*	WO-C-14	2.3	1.0

ND - Not detected below indicated limit of detection.

Analyst: SC

Reviewed and Approved: _____
Report date: 10/13/92

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ORIGINAL

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GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

DATE SAMPLED :	10/09/92
DATE RECEIVED:	10/09/92
DATE ADDITIONAL ANALYSES REQUESTED:	10/12/92
DATE ANALYZED:	10/12/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-11
ANALYSES:	418.1

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY INFRARED SPECTROMETRY
EPA METHOD 418.1

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
*WO-C-10	ND	50

ND - Not detected below indicated limit of detection.

Analyst: VN

Reviewed and Approved: _____
Report date: 10/13/92

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FRESNO, CA 93721

ATTENTION: STEVE CURRA

DATE SAMPLED :	10/09/92
DATE RECEIVED:	10/09/92
DATE ANALYZED:	10/09/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-11
ANALYSES:	418.1

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY INFRARED SPECTROMETRY EPA METHOD 418.1

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
D4-11	1600	50
D4-15	ND	50
* WO-C-14	ND	50
SS9-13	ND	50
SS10-13	ND	50
SS11-13	ND	50
SS12-13	ND	50

ND - Not detected below indicated limit of detection.

Analyst: TF

Reviewed and Approved: [signature]
Report date: 10/16/92

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FRESNO, CA 93721

ATTENTION: STEVE CURRA

DATE SAMPLED : 10/08/92
DATE RECEIVED: 10/08/92
DATE ANALYZED: 10/08/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: 418.1

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY INFRARED SPECTROMETRY EPA METHOD 418.1

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
D1-7	330	50
D2-3	ND	50
PL1-3	ND	50
PL3-3	ND	50
D3-3	ND	50
D4-3	1400	50
D4-7	1200	50
H1-5	ND	50
H1-10	ND	50
H2-5	ND	50
H2-10	ND	50
SS1-2	62	50
SS2-2	ND	50
SS3-2	ND	50
SS4-2	ND	50

ND - Not detected below indicated limit of detection.

Analyst: RG

Reviewed and Approved: _____
Report date: 10/14/92

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GEORESEARCH
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ATTENTION: STEVE CURRA

DATE SAMPLED :	10/8,9/92
DATE RECEIVED:	10/8,9/92
DATE ADDITIONAL ANALYSES REQUESTED:	10/12/92
DATE ANALYZED:	10/12/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-11
ANALYSES:	TPH-D

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR DIESEL

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
* D2-3	ND	10
* PL1-3	ND	10
* PL2-3	ND	10
* PL3-3	ND	10
* T1-N-14	ND	10
* T1-S-14	ND	10

ND - Not detected below indicated limit of detection.

Analyst: DR

Reviewed and Approved: _____
Report date: 10/13/92

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FRESNO, CA 93721

ATTENTION: STEVE CURRA

DATE SAMPLED : 10/08/92
DATE RECEIVED: 10/08/92
DATE ANALYZED: 10/08/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: TPH-D

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR DIESEL

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
* D2-7	ND	10
* PL1-7	ND	10
* PL2-7	ND	10
PL3-7	ND	10

ND - Not detected below indicated limit of detection.

Analyst: RG

Reviewed and Approved: _____
Report date: 10/14/92

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ATTENTION: STEVE CURRA

DATE SAMPLED :	10/09/92
DATE RECEIVED:	10/09/92
DATE ANALYZED:	10/09/92 10/12/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-11
ANALYSES:	TPH-D

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR DIESEL

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
* T1-N-18	ND	10
* T1-S-18	ND	10
T1-C-17	2200	10
SS13-17	ND	10
SS14-17	ND	10
SS15-18	ND	10
SS16-18	ND	10

ND - Not detected below indicated limit of detection.

Analyst: RG

Reviewed and Approved: _____
Report date: 10/16/92

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ATTENTION: STEVE CURRA

PROJECT NAME: UNOCAL #4734
9068 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED :	10/09/92
DATE RECEIVED:	10/09/92
DATE ADDITIONAL ANALYSES REQUESTED:	10/12/92
DATE ANALYZED:	10/12/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-11
ANALYSES:	TPH-G

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
D4-20	ND	1.0
*T2-W-14	ND	1.0
*T3-W-14	ND	1.0
*T3-E-14	ND	1.0
*T3-E-16	170	1.0
*T2-E-14	38	1.0
*T2-E-16	11	1.0

ND - Not detected below indicated limit of detection.

Analyst: TF, RF

Reviewed and Approved: _____
Report date: 10/14/92

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ATTENTION: STEVE CURRA

PROJECT NAME: UNOCAL #4734
9068 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED : 10/09/92
DATE RECEIVED: 10/09/92
DATE ANALYZED: 10/09/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: TPH-G

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
D4-15	5.3	1.0
* T2-W-18	150	1.0
* T3-W-18	ND	1.0
T3-E-18	1.3	1.0
T2-E-19	3.5	1.0
SS5-18	ND	1.0
SS6-18	ND	1.0
SS7-18	ND	1.0
T2-W-20	ND	1.0
SS8-18	ND	1.0

ND - Not detected below indicated limit of detection.

Analyst: TF

Reviewed and Approved: _____
Report date: 10/16/92

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FRESNO, CA 93721

ATTENTION: STEVE CURRA

PROJECT NAME: UNOCAL #4734
9068 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED :	10/08/92
DATE RECEIVED:	10/08/92
DATE ADDITIONAL ANALYSES REQUESTED:	10/12/92
DATE ANALYZED:	10/12/92 10/13/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-11
ANALYSES:	TPH-G

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
* D1-3	14	1.0
* D2-3	ND	1.0
* PL1-3	ND	1.0
* PL3-3	ND	1.0
* D3-3	ND	1.0
D4-3	1200	1.0
D5-8	2.0	1.0
D1-10	3000	1.0

ND - Not detected below indicated limit of detection.

Analyst: RF, TF

Reviewed and Approved: _____

Report date: 10/14/92

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FRESNO, CA 93721

ATTENTION: STEVE CURRA

PROJECT NAME: UNOCAL #4734
9068 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED : 10/08/92
DATE RECEIVED: 10/08/92
DATE ANALYZED: 10/8,9/92
10/13/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: TPH-G

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
* D1-7	1100	1.0
* D2-7	ND	1.0
* PL1-7	ND	1.0
* PL3-7	ND	1.0
* D3-7	ND	1.0
* D4-7	4500	1.0
D5-4	ND	1.0
D1-21	8.9	1.0

ND - Not detected below indicated limit of detection.

Analyst: RG, SJ

Reviewed and Approved: _____
Report date: 10/14/92

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GEORESEARCH
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FRESNO, CA 93721

ATTENTION: STEVE CURRA

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED : 10/08/92
DATE RECEIVED: 10/08/92
DATE ANALYZED: 10/08/92
10/09/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: BTEX

ANALYSIS OF ORGANIC AROMATICS
EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
*D1-7	3.8	12	12	110
*D2-7	0.007	0.009	ND	ND
*PL1-7	ND	ND	ND	ND
*PL2-7	ND	0.005	ND	ND
*PL3-7	ND	ND	ND	ND
*D3-7	ND	0.007	ND	ND
*D4-7	0.84	100	59	660
D5-4	ND	ND	ND	ND
D1-21	ND	0.007	0.010	0.11

ND - Not detected below indicated limit of detection.

Analyst: RG, RV, AM

Reviewed and Approved: _____
Report date: 10/14/92

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LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

DATE SAMPLED : 10/08/92
DATE RECEIVED: 10/08/92
DATE ADDITIONAL ANALYSES REQUESTED: 10/12/92
DATE ANALYZED: 10/12/92
10/13/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: BTEX

ATTENTION: STEVE CURRA

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF ORGANIC AROMATICS
EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
* D1-3	0.098	0.47	0.16	1.5
* D2-3	ND	ND	ND	ND
* PL1-3	ND	ND	ND	ND
* PL2-3	ND	ND	ND	ND
* PL3-3	ND	ND	ND	ND
* D3-3	ND	ND	ND	ND
* D4-3	0.28	39	15	78
D5-8	ND	0.026	0.012	0.29
D1-10	0.43	41	44	530

ND - Not detected below indicated limit of detection.

Analyst: TF, RF

Reviewed and Approved: _____
Report date: 10/14/92

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LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

DATE SAMPLED.: 10/09/92
DATE RECEIVED: 10/09/92
DATE ADDITIONAL ANALYSES REQUESTED: 10/12/92
DATE ANALYZED: 10/12/92
10/13/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: BTEX

ATTENTION: STEVE CURRA

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF ORGANIC AROMATICS
EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
D4-20	ND	0.011	0.009	0.097
* T1-N-14	ND	ND	ND	0.019
* T2-W-14	ND	ND	ND	ND
* T3-W-14	ND	ND	ND	ND
* T1-S-14	ND	ND	ND	ND
* T3-E-14	ND	ND	ND	ND
* T3-E-16	ND	0.019	0.20	4.1
* T2-E-14	ND	0.008	0.056	0.92
* T2-E-16	ND	0.005	0.014	0.22

ND - Not detected below indicated limit of detection.

Analyst: TF, RF Reviewed and Approved: _____
Report date: 10/14/92

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LABORATORY REPORT

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ATTENTION: STEVE CURRA

PROJECT NAME: UNOCAL #4734
9068 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED : 10/09/92
DATE RECEIVED: 10/09/92
DATE ANALYZED: 10/09/92
10/12/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: BTEX

ANALYSIS OF ORGANIC AROMATICS
EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
D4-15	ND	0.19	0.067	0.60
*T1-N-18	ND	ND	ND	ND
*T2-W-18	ND	0.11	0.071	1.6
*T3-W-18	ND	ND	ND	ND
*T1-S-18	ND	ND	ND	ND
T3-E-18	ND	ND	ND	0.018
T2-E-19	ND	ND	ND	ND
SS5-18	ND	ND	ND	ND
SS6-18	ND	ND	ND	ND
SS7-18	ND	ND	ND	ND
T2-W-20	ND	ND	ND	ND
SS8-18	ND	ND	ND	ND
T1-C-17	ND	ND	ND	ND
SS13-17	ND	ND	ND	ND
SS14-17	ND	ND	ND	ND
SS15-18	ND	ND	ND	ND
SS16-18	ND	ND	ND	ND

ND - Not detected below indicated limit of detection.

Analyst: TF, RG

Reviewed and Approved: [signature]
Report date: 10/16/92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. *GEOTEST* is a division of GEOSERVICES, a California corporation.

ORIGINAL

* Required

Western Atlas International
A Litton/Dresser Company

CORE LABORATORIES

LABORATORY TESTS RESULTS
10/19/92

JOB NUMBER: 921625 CUSTOMER: GEOTEST ATTN: Barbara Altavilla

SAMPLE NUMBER: 1 DATE RECEIVED: 10/13/92 TIME RECEIVED: 11:30 SAMPLE DATE: 10/12/92 SAMPLE TIME: 00:00
PROJECT: 92400-11 SAMPLE: WD-C-10 REM: 1, 4OZ-GLS-SOIL

SAMPLE NUMBER: 2 DATE RECEIVED: 10/13/92 TIME RECEIVED: 11:30 SAMPLE DATE: 10/12/92 SAMPLE TIME: 00:00
PROJECT: 92400-11 SAMPLE: WD-C-14 REM: 1, 4OZ-GLS-SOIL

TEST DESCRIPTION	SAMPLE 1	SAMPLE 2	UNITS OF MEASURE
Total Organic Halogens	<10	<10	mg/kg

1250 Gene Autry Way
Anaheim, CA 92805
(714) 937-1094

Required

The analyses, opinions or interpretations contained in this report are based upon observations and material supplied by the client for whose exclusive and confidential use this report has been made. The interpretations or opinions expressed represent the best judgement of Core Laboratories. Core Laboratories, however, assumes no responsibility and makes no warranty or representations, expressed or implied as to the productivity, proper operations, or profitableness of any oil, gas, ...

GEOTEST
3960 Gilman Street
Long Beach, CA. 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

(TF) ML104 5609B
GEOTEST
PROJECT NO: 92400-11
DATE 10/9/92 PAGE 1 OF 4

PROJECT NAME Unocal 4734
ADDRESS 9068 Grapevine Rd, Lebec, CA
SAMPLER'S SIGNATURE Blair Rodgers
PRINTED NAME Blair Rodgers
CLIENT PROJECT NO. 92075
PROJECT MANAGER Steve Curra

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS				Hold	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
D4-11	10/9/92	0745	North end Island #1				✓						Soil	Brass	1	
D4-15		0755	"	✓		✓	✓									
D4-20		0805	"	(X)		(X)						cancel				
T1-N-18		1210	Diesel UST Pit North end		✓	✓										
T1-N-14		1200	"		(X)	(X)						cancel				
T2-W-14		1215	Gas. UST Pit West ~~side~~ End	(X)		(X)						cancel				
T2-W-18		1220	"	✓		✓										
T3-W-14		1225	"	(X)		(X)						cancel				
T3-W-18		1230	"	✓		✓										

1 RELINQUISHED BY: Blair Rodgers	DATE 10/9/92	2 RELINQUISHED BY:	DATE	3 RELINQUISHED BY:	DATE 10/12/92	SAMPLE CONDITIONS	
SIGNATURE: Blair Rodgers		SIGNATURE		SIGNATURE:		RECEIVED ON ICE	(YES)/NO
PRINTED NAME: Blair Rodgers	TIME 12:30	PRINTED NAME	TIME	PRINTED NAME: Tony Fernandes	TIME	CHAIN OF CUSTODY SEAL	YES/(NO)
COMPANY: Geo Research		COMPANY		COMPANY: Geotest			
4 RECEIVED BY:	DATE	5 RECEIVED BY:	DATE	6 RECEIVED BY (LAB):	DATE 10/12/92	PROJECT COMMENTS	
SIGNATURE: Tony Fernandes	10/9/92	SIGNATURE		SIGNATURE: Shirley Munoz		418.1 – Detection limit should be 50 mg/kg	
PRINTED NAME: Tony Fernandes	TIME 1213	PRINTED NAME	TIME	PRINTED NAME: Geotest	TIME 800	(X) Addl analyses requested via fax 10/12/92	
COMPANY: Geotest		COMPANY		COMPANY			

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

(TF) ML104 5609B

GEOTEST
PROJECT NO: 92400-11
DATE 10/9/92 PAGE 2 OF 4

PROJECT NAME: UNOCAL 4734
ADDRESS: 9068 GRAPEVINE Rd, Lebec, CA
SAMPLER'S SIGNATURE: Blair Redfearn
PRINTED NAME: BLAIR REDFEARN
CLIENT PROJECT NO.: 92075
PROJECT MANAGER: Steve CURRA

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	Total Lead	TOX			Hold	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
T1-S-14	10/9/92	1235	Diesel UST Pit - South end		X	X							Cancel ✓	Soil	Glass	1	
T1-S-18		1240	" "		✓	✓											
WO-C-10		1245	WAST-oil UST Pit Center				X		X	X			Cancel ✓				
WO-C-14		1250	"				✓		X	X							
T3-E-14		1255	GAS. TANK UST Pit East end	X		X							Cancel ✓				
T3-E-16		1300	"	X		X							Cancel ✓				
T3-E-18		1305	"	✓		✓											
T2-E-14		1310	"	X		X							Cancel ✓				
T2-E-16		1315	"	X		X							Cancel ✓				

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE: Blair Redfearn	10/9/92	SIGNATURE:		SIGNATURE: [signature]	10/12
PRINTED NAME: BLAIR REDFEARN	TIME	PRINTED NAME:	TIME	PRINTED NAME: TONY FERNANDES	TIME
COMPANY: Geo Research	1:45	COMPANY:		COMPANY: GEOTEST	8:00

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE: [signature]	10/9/92	SIGNATURE:		SIGNATURE: [signature]	10/12/92
PRINTED NAME: TONY FERNANDES	TIME	PRINTED NAME:	TIME	PRINTED NAME: STIREY MUNOZ	TIME
COMPANY: GEOTEST	1:45	COMPANY:		COMPANY: GEOTEST	8:00

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS

418.1 - Detection Limit 50 mg/kg
X Add'l Analyses requested via fax 10/12/92

GEOTEST
3960 Gilman Street
Long Beach, CA. 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

TF ML 104 5609 B

GEOTEST
PROJECT NO: 92400-11
DATE 10/9/92 PAGE 3 OF 4

PROJECT NAME UNOCAL 4734
ADDRESS 9068 GRAPEVINE Rd, Lebec, CA
SAMPLER'S SIGNATURE Blair Redfearn
PRINTED NAME BLAIR REDFEARN
CLIENT PROJECT NO. 92025
PROJECT MANAGER Steve CUKRA

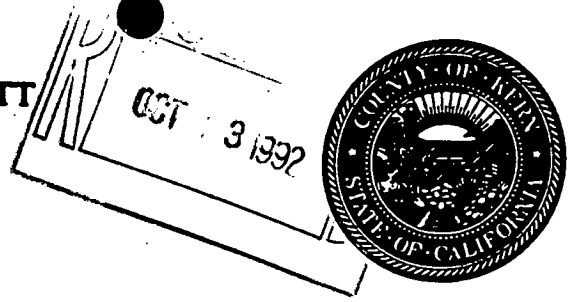
SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
T2-E-19	10/9/92	1420	GAS, UST PIT EAST END	✓		✓			soil	brass	1	
SS5-18		1430	Gasoline UST Pit EAST WALL	✓		✓						
SS6-18		1440	11 SOUTH WALL	✓		✓						
SS7-18		1450	11 NORTH WALL	✓		✓						
T2-W-20		1500	West end TANK PIT 2 ~~NORTH WALL~~	✓		✓						
SS8-18		1505	West WALL-GASOLINE UST Pit	✓		✓						
SS9-13		1545	W.O. Pit - South WALL				✓					
SS10-13		1550	11 West WALL				✓					
SS11-13		1555	11 NORTH WALL				✓					

1 RELINQUISHED BY: Blair Redfearn	DATE 10/9/92	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY: Tony Fernandes	DATE 10/12/92	SAMPLE CONDITIONS	
SIGNATURE: Blair Redfearn		SIGNATURE		SIGNATURE		RECEIVED ON ICE	YES/NO
PRINTED NAME: Blair Redfearn	TIME 1600	PRINTED NAME	TIME	PRINTED NAME	TIME 5:20	CHAIN OF CUSTODY SEAL	YES/NO
COMPANY: Geotest		COMPANY		COMPANY: Geotest			
4 RECEIVED BY	DATE 10/9/92	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE 10/12/92	PROJECT COMMENTS	
SIGNATURE: Tony Fernandes		SIGNATURE		SIGNATURE: Shirley Munoz		418.1 Detection Limit 50 mg/kg	
PRINTED NAME: Geotest	TIME TF ~~2115~~ 4100	PRINTED NAME	TIME	PRINTED NAME: Geotest	TIME 8:00		
COMPANY		COMPANY		COMPANY			

RESOURCE MANAGEMENT AGENCY

RANDALL L. ABBOTT
DIRECTOR

DAVID PRICE III
ASSISTANT DIRECTOR



Environmental Health Services Department
STEVE McCALLEY, REHS, DIRECTOR

Air Pollution Control District
WILLIAM J. RODDY, APCO

Planning & Development Services Department
TED JAMES, AICP, DIRECTOR

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

Facility Name: Unocal #4734
Address: Grapevine #99
LeBec, CA

Kern County Permit #: A1702-33
County #: 15

UNDERGROUND TANK DISPOSITION TRACKING RECORD

This form is to be returned to the Kern County Environmental Health Services Department within 14 days of acceptance of the tank(s) by an approved disposal or recycling facility. The holder of the permit with the number noted above is responsible for insuring that this form is completed and returned.

Section 1 To be filled out by tank removal contractor:

Tank Removal Contractor: Wegener Const. Co.
Address: [redacted] 1710 Calloway Phone #: 589-5570
Bkst. CA. Zip: 93312
Date Tank(s) Removed: 10-9-92 No. of Tank(s): 3

Section 2 To be filled out by contractor "decontaminating" tank(s):

Tank "Decontamination" Contractor: Wegener Const.
Address: 1710 Calloway Phone #: 589-5570
Bkst. CA. Zip: 93312

Tank Size	L.E.L.	Tank Size	L.E.L.
12000	0		
10000	0		
280	0		

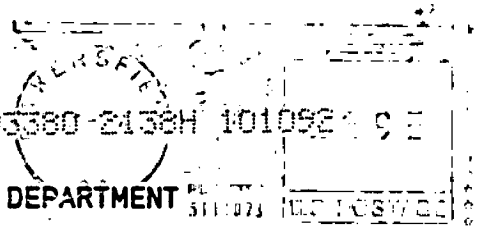
Authorized representative of the contractor certifies by signing below that the tank(s) have been decontaminated in accordance with Kern County Environmental Health Services Department requirements.

Signature Title

Section 3 To be filled out and signed by an authorized representative of the approved disposal or recycling facility accepting the tank(s):

Facility Name: Golden State Metals
Address: P.O. Box 70158 Phone #: 327-3859
Bakersfield, CA Zip: 93387
Date Tank(s) Received: 10-9-92 No. of Tank(s): 3
Signature: Suzanne T Scott Title: Deputy Weigh Master
(Authorized Representative)

2700 "M" STREET, SUITE 300 BAKERSFIELD, CALIFORNIA 93301 (805) 861-3636
* * * MAILING INSTRUCTIONS: Fold and staple. FAX: (805) 861-3429



MSC BAKERSFIELD CA 93380-2138H 10109

KERN COUNTY ENVIRONMENTAL HEALTH SERVICES DEPARTMENT
2700 "M" STREET, SUITE 300
BAKERSFIELD, CALIFORNIA 93301

ATTN: UNDERGROUND TANK SECTION

WORK ORDER LOG SHEET

Date: 10/8/92
Tracking #: _____
APN: ____-____-___-___-__

Work Order #: EMO 20055
WO Category: Hazmats
WO Type: TEP
Reimb.: Y X N _____
RP Code: _____

WORK ORDER NAME: Unocal #4734

RESPONSIBLE PARTY (RP) NAME: Geo Research, Inc.

RP CONTACT: Blair ~~Redfern~~ Redfearn

RP ADDRESS: 1713 Tulare, Suite 113

RP CITY: Fresno STATE: CA ZIP: 93721 + _____

RP PHONE NOS.: (209) 264-0444
(800) 523-4786

INSPECTOR: Chris Finberg EXT. 564

PROGRAM: HMMP-Enforcement HMMP-Permitting

DESCRIPTION: Extra Inspection at request of Geo Research for sampling of dispensers and piping prior to removal inspection at 330087 - Unocal Grapevine

LOCATION: Unocal Station at base of Grapevine

FACILITY NAME: Unocal #4734

REPORTING PERSON: _____ PHONE NO. _____

COMMENTS: _____

Unocal Refining & Marketing Division
Unocal Corporation
911 Wilshire Blvd., Suite 1010
Los Angeles, California 90017
Telephone (213) 977-6399
Facsimile (213) 627-1231

OK
Leave Reply

UNOCAL 76

RECEIVED
OCT - 5 1992

October 1, 1992

Steve McCally
Director, County of Kern
Environmental Health
Services Department
2700 "M" Street, Suite 300
Bakersfield, California 93301

Re: Unocal Service Station # 4734
Hwy. 99 & Grapevine
Lebec, CA

Dear Mr. McCally:

This letter is in reference to the Underground Storage Tanks Permit to Operate fee invoice # 330097C-93, related to the above referenced service station.

According to that invoice, payment due date for permit renewal was August 9, 1992. A check in the amount of $400.00 dated August 7, 1992, was mailed on the same day. Due to some reason this check was not received in your office on or before that due date.

Unfortunately, the mailing envelope post marked for August 7, 1992, is not available to prove that the payment was mailed prior to that due date.

A penalty statement of $200.00 was received in this office as a result of this late payment. Since this payment was mailed prior to the due date, please issue your instruction to waive this penalty.

In order to correct this problem in the future, an effective permit tracking system has been established by Unocal. This tracking system will enable Unocal to renew and pay all Underground Tanks Permit to Operate fees within their due dates.

Thank you for your cooperation in this matter.

If you have any questions please call me at (213) 977-6311.

Sincerely yours,

Shirley Shea

Shirely T. Shea
Compliance Analyst

STS/sts

cc: B.C. Best
Correspondence File
Environmental Permit File

GEOTEST
3960 Gilman Street
Long Beach, CA. 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

TF ML 104 5609B

GEOTEST
PROJECT NO: 92400-11
DATE 10/9/92 PAGE 4 OF 4

PROJECT NAME Unocal 4734
ADDRESS 9868 Graveyard Rd, Lepec, CA
SAMPLER'S SIGNATURE Blair Redfearn
PRINTED NAME Blair Redfearn
CLIENT PROJECT NO. 92075
PROJECT MANAGER Steve Curtis

SAMPLE NO.	DATE	TIME	LOCATION	METHODS: TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SS12-13	10/9/92	1600	W. O. Pit East wall				✓		Soil	brass	1	
T1-C-17		1610	Diesel UST - Center		✓	✓					1	
SS13-17		1615	Diesel Pit - East wall		✓	✓					1	
SS14-17		1620	" West wall		✓	✓					1	
SS15-18		1625	" North wall		✓	✓					1	
SS16-18		1635	" South wall		✓	✓					1	

1 RELINQUISHED BY: Blair Redfearn / Blair Redfearn / Geotest	DATE 10/9/92	TIME 4:00	
2 RELINQUISHED BY: SIGNATURE / PRINTED NAME / COMPANY	DATE	TIME	
3 RELINQUISHED BY: Tony Fernandes / Geotest	DATE 10/12	TIME 8:00	
4 RECEIVED BY: Tony Fernandes / Geotest	DATE 10/9/92	TIME 4:00	
5 RECEIVED BY: SIGNATURE / PRINTED NAME / COMPANY	DATE	TIME	
6 RECEIVED BY (LAB): Shirley Munoz / Shirley Munoz / Geotest	DATE 10/12/92	TIME 8:00	

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS

418.1 Detection limit — 50 mg/kg

RESOURCE MANAGEMENT AGENCY

RANDALL L. ABBOTT
DIRECTOR
DAVID PRICE III
ASSISTANT DIRECTOR

RECEIVED
AUG 14 1992

Environmental Health Services Department
STEVE McCALLEY, REHS, DIRECTOR
Air Pollution Control District
WILLIAM J. RODDY, APCO
Planning & Development Services Department
TED JAMES, AICP, DIRECTOR

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

UNDERGROUND STORAGE TANK PERMIT UPDATE QUESTIONNAIRE

THIS QUESTIONNAIRE MUST BE COMPLETED AND RETURNED WITH YOUR INVOICE PAYMENT.

PERMIT # 3300970-93 NUMBER OF TANKS 4
FACILITY UNOCAL SS# 4734
ADDRESS HWY. 99 & GRAPEVINE
CITY/STATE LEBEC CA 93243

TANK OWNER SHIRLEY T. SITEA C/O UNOCAL PHONE # (213) 977-6311
ADDRESS 911 WILSHIRE BLVD., STE 1010
CITY/STATE LOS ANGELES CA ZIP 90017

OPERATOR ~~TANKS REMOVED~~ PHONE #
ADDRESS TANKS TO BE REMOVED WITHIN A MONTHS
CITY/STATE TIME. ZIP

IF A TRANSFER OF OWNERSHIP HAS TAKEN PLACE WITHIN THE LAST YEAR, PLEASE COMPLETE THE FOLLOWING:

DATE OF TRANSFER: MONTH DAY YEAR
PREVIOUS OWNER:
PREVIOUS FACILITY NAME (IF CHANGED):

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY AND TO THE BEST OF MY KNOWLEDGE IS TRUE AND CORRECT.

SIGNATURE Shirley Sitea TITLE Compliance Budget & Permit DATE 8/7/92

IF YOU HAVE ANY QUESTIONS PLEASE CALL JANE WARREN AT (805) 861-3636 EXT. 554.

ch
HM4

RESOURCE MANAGEMENT AGENCY

RANDALL L. ABBOTT
DIRECTOR

DAVID PRICE III
ASSISTANT DIRECTOR

Environmental Health Services Department
STEVE McCALLEY, REHS, DIRECTOR

Air Pollution Control District
WILLIAM J. RODDY, APCO

Planning & Development Services Department
TED JAMES, AICP, DIRECTOR

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

PERMIT FOR PERMANENT CLOSURE OF UNDERGROUND HAZARDOUS SUBSTANCES STORAGE FACILITY

PERMIT NUMBER A 1702-33

FACILITY NAME/ADDRESS:	OWNER(S) NAME/ADDRESS:	CONTRACTOR:
Unocal S/S #4734 9068 W. Grapevine Tejon Ranch, CA	Unocal 2000 Crow Canyon Place San Ramon, CA 94583 Phone: (510) 277-2327	Wegener Construction 1710 Calloway Drive Bakersfield, CA 93312 License #C61/D40 HAZ 413913 Phone: (805) 589-5570

PERMIT FOR CLOSURE OF

4 TANK(S) AT ABOVE

LOCATION

PERMIT EXPIRES October 29, 1992

APPROVAL DATE July 29, 1992

APPROVED BY

Chris Finberg
Hazardous Materials Specialist

POST ON PREMISES

CONDITIONS AS FOLLOWS:

1. It is the responsibility of the Permittee to obtain permits which may be required by other regulatory agencies prior to beginning work (i.e., City Fire and Building Departments).
2. Permittee must notify the Hazardous Materials Management Program at (805) 861-3636 two working days prior to tank removal or abandonment in place to arrange for required inspections(s).
3. Tank closure activities must be per Kern County Environmental Health and Fire Department approved methods as described in Handbook UT-30.
4. It is the contractor's responsibility to know and adhere to all applicable laws regarding the handling, transportation or treatment of hazardous materials.
5. The tank removal contractor must have a qualified company employee on site supervising the tank removal. The employee must have tank removal experience prior to working unsupervised.
6. If any contractors other than those listed on permit and permit application are to be utilized, prior approval must be granted by the specialist listed on the permit. Deviation from the submitted application is not allowed.
7. Soil Sampling:
   a. **Tank size less than or equal to 1,000 gallons** - a minimum of two samples must be retrieved from beneath the center of the tank at depths of approximately two feet and six feet.
   b. **Tank size greater than 1,000 to 10,000 gallons** - a minimum of four samples must be retrieved one-third of the way in from the ends of each tank at depths of approximately two feet and six feet.
   c. **Tank size greater than 10,000 gallons** - a minimum of six samples must be retrieved one-fourth of the way in from the ends of each tank and beneath the center of each tank at depths of approximately two feet and six feet.
8. Soil Sampling (piping area):
   A minimum of two samples must be retrieved at depths of approximately two feet and six feet for every 15 linear feet of pipe run and under the dispenser area.

PERMIT FOR PERMANENT CLOSURE
OF UNDERGROUND HAZARDOUS
SUBSTANCES STORAGE FACILITY

PERMIT NUMBER A 1702-33
ADDENDUM

9. Soil Sample analysis:
   a. All soil samples retrieved from beneath gasoline (leaded/unleaded) tanks and appurtenances must be analyzed for benzene, toluene, xylene, and total petroleum hydrocarbons (for gasoline).
   b. All soil samples retrieved from beneath diesel tanks and appurtenances must be analyzed for total petroleum hydrocarbons (for diesel) and benzene.
   c. All soil samples retrieved from beneath waste oil tanks and appurtenances must be analyzed for total organic halides, lead, oil and grease.
   d. All soil samples retrieved from beneath crude oil tanks and appurtenances must be analyzed for oil and grease.
   e. All soil samples retrieved from beneath tanks and appurtenances that contain unknown substances must be analyzed for a full range of substances that may have been stored within the tank.

10. The following timetable lists pre- and post-tank removal requirements:

ACTIVITY	DEADLINE
Complete permit application submitted to Hazardous Materials Management Program	At least two weeks prior to closure
Notification to inspector listed on permit of date and time of closure and soil sampling	Two working days
Transportation and tracking forms sent to Hazardous Materials Management Program. All hazardous waste manifests must be signed by the receiver of the hazardous waste	No later than 5 working days for transportation and 14 working days for the tracking form after tank removal
Sample analysis to Hazardous Materials Management Program	No later than 3 working days after completion of analysis

11. Purging/Inerting Conditions:
   a. Liquid shall be pumped from tank prior to purging such that less than 8 gallons of liquid remain in tank. (CSH&SC 41700)
   b. Tank shall be purged through vent pipe discharging at least 10 feet above ground level. (CSH&SC 41700)
   c. No emission shall result in odors detectable at or beyond property line. (Rule 419)
   d. No emission shall endanger the health, safety, comfort or repose of any person. (CSH&SC 41700)
   e. Vent lines shall remain attached to tank until the inspector arrives to authorize removal.

RECOMMENDATIONS/GUIDELINES FOR REMOVAL OF UNDERGROUND STORAGE TANKS

This department is responsible for enforcing the Kern County Ordinance Code, Division 8 and state regulations pertaining to underground storage tanks. Representatives from this department respond to job sites during tank removals to ensure that the tanks are safe to remove/close and that the overall job performance is consistent with permit requirements, applicable laws and safety standards. The following guidelines are offered to clarify the interests and expectations for this department.

1. Job site safety is one of our primary concerns. Excavations are inherently dangerous. It is the contractor's responsibility to know and abide by CAL-OSHA regulations. The job foreman is responsible for the crew and any subcontractors on the job. As a general rule, workers are not permitted in improperly sloped excavations or when unsafe conditions exist in the hole. Tools and equipment are to be used only for their designed function. For example, backhoe buckets are never substituted for ladders.

2. Properly licensed contractors are assumed to understand the requirements of the permit issued. The job foreman is responsible for knowing and abiding by the conditions of the permit. Deviation from the permit conditions may result in a stop-work order.

3. Individual contractors will be held responsible for their post-removal paperwork. Tracking forms, hazardous waste manifests and analyses documentation are necessary for each site in order to close a case file or move it into mitigation. When contractors do not follow through on necessary paperwork, an unmanageable backlog of incomplete cases results. If this continues, processing time for completing new closures will increase.

Accepted By: _____
OWNER OR AGENT

8-7-92
DATE

CF:cas
a1702-33h.m88

CLOSURE APPLICATION CHECKLIST

FACILITY Unocal Station PERMIT # 330097

ADDRESS 9068 W. Grapevine

APPLICATION FOR TANK: X REMOVAL _____ CLOSURE IN PLACE

A. FACILITY INFORMATION: APPROVED X DISAPPROVED _____
COMMENTS: _____

B. CONTRACTOR INFORMATION: APPROVED X 7/28 DISAPPROVED X

1. ALL LICENSES CURRENT/CORRECT? YES / NO
2. ALL WORKERS' COMPENSATION/GENERAL LIABILITY INSURANCE CURRENT/CORRECT? YES / NO
3. LABORATORY STATE-APPROVED FOR SPECIFIED ANALYSES? YES / NO
4. ALL PREQUALIFICATIONS MET? YES / NO

COMMENTS: Sampler

C. CHEMICAL INFORMATION: APPROVED X 7/28 DISAPPROVED X
COMMENTS: tank 3 - contents, tank 4?

D. ENVIRONMENTAL INFORMATION: APPROVED X 7/28 DISAPPROVED X
COMMENTS: _____

E. DISPOSAL INFORMATION: APPROVED X 7/28 DISAPPROVED X
COMMENTS: _____

F. PLOT PLAN: APPROVED X 7/28 DISAPPROVED X
COMMENTS: other tank

SUMMARY: _____

PLEASE SEE ALL DISAPPROVED ITEMS AND COMMENTS ABOVE BEFORE RESUBMITTING CORRECTED APPLICATION.

REVIEWED BY _____ DATE _____

SITE INSPECTION: APPROVED _____ DISAPPROVED _____
COMMENTS: _____

INSPECTOR _____ DATE _____

KERN COUNTY RESOURCE MANAGEMENT AGENCY
ENVIRONMENTAL HEALTH SERVICES DEPARTMENT
2700 "M" STREET, SUITE 30[redacted]
BAKERSFIELD, CALIFORNIA 93301
(805)861-3636
(FILL OUT ONE APPLICATION PER FACILITY)

INTERNAL USE ONLY:	PTA:_____
APPLICATION OF DATE:_____	
# OF TANKS TO ABANDON:_____	
PIPING FT. TO ABANDON:_____	PTO:_____

APPLICATION FOR PERMIT FOR PERMANENT CLOSURE/ABANDONMENT OF UNDERGROUND HAZARDOUS SUBSTANCE STORAGE FACILITY

THIS APPLICATION IS FOR ☐ REMOVAL, OR ☐ ABANDONMENT IN PLACE

A: FACILITY INFORMATION

Project Contact: FRANK PINNELL	Phone( ) 277-2327	T/R/SEC (Rural Locations):
Facility Name: UNOCAL	Address: 9068 W. GRAPEVINE	Nearest Cross Street: U.S. HWY 99
Phone #(510) 277-2327	City: TEJON RANCH Zip:	
Owner: UNOCAL	Address: 2000 CROW CYN PL #400	State: CA.
Phone:(510) 277-2327	City: SAN RAMON	Zip: 94583

B: CONTRACTOR INFORMATION

Tank Removal Contractor: WEGENER CONST. Phone #:(805) 589-5570	Address: 1710 CALLOWAY City: BAKERSFIELD	State:CA Zip:9
Proposed Start Date: 8-1-92	California License Type & #: 413913 C-61 / D 40	Worker's Compensation #: STATE FUND 543144-92
Contractor Retrieving Samples: GEO RESEARCH Phone #(209) 264-0444	Address: 1713 TULARE #113 City: FRESNO	State:CA Zip:93721
Worker's Compensation #:	Insurer:	
Laboratory that will analyze samples: GEO RESEARCH Phone #(209) 264-0444	Address: 1713 TULARE #113 City: FRESNO	State:CA Zip:93721

C: CHEMICAL INFORMATION

Chemical Composition of Materials Stored:

Tank#	Volume	Chemical Stored	Dates Stored	Chemical Formerly Stored
1	10,660	SUPER	To	
2	10,000	UNLEADED	To	
3	10,600	DIESEL	To	
4	280	WASTE OIL	To	

D: Environmental Information

Water to facility provided by: TEJON RANCH WATER	Is groundwater within 50 feet? Y or N 1900
Nearest water well-Give distance if within 500 feet: 3 MILE	Soil type at facility: GRANULATE ALUMINUM TYPE SOIL
Basis for soil type and groundwater depth determination: N/A	
Total number of samples to be analyzed: 45	Samples to be analyzed for: BTX + E TPH GAS & DIESEL

E: Disposal Information

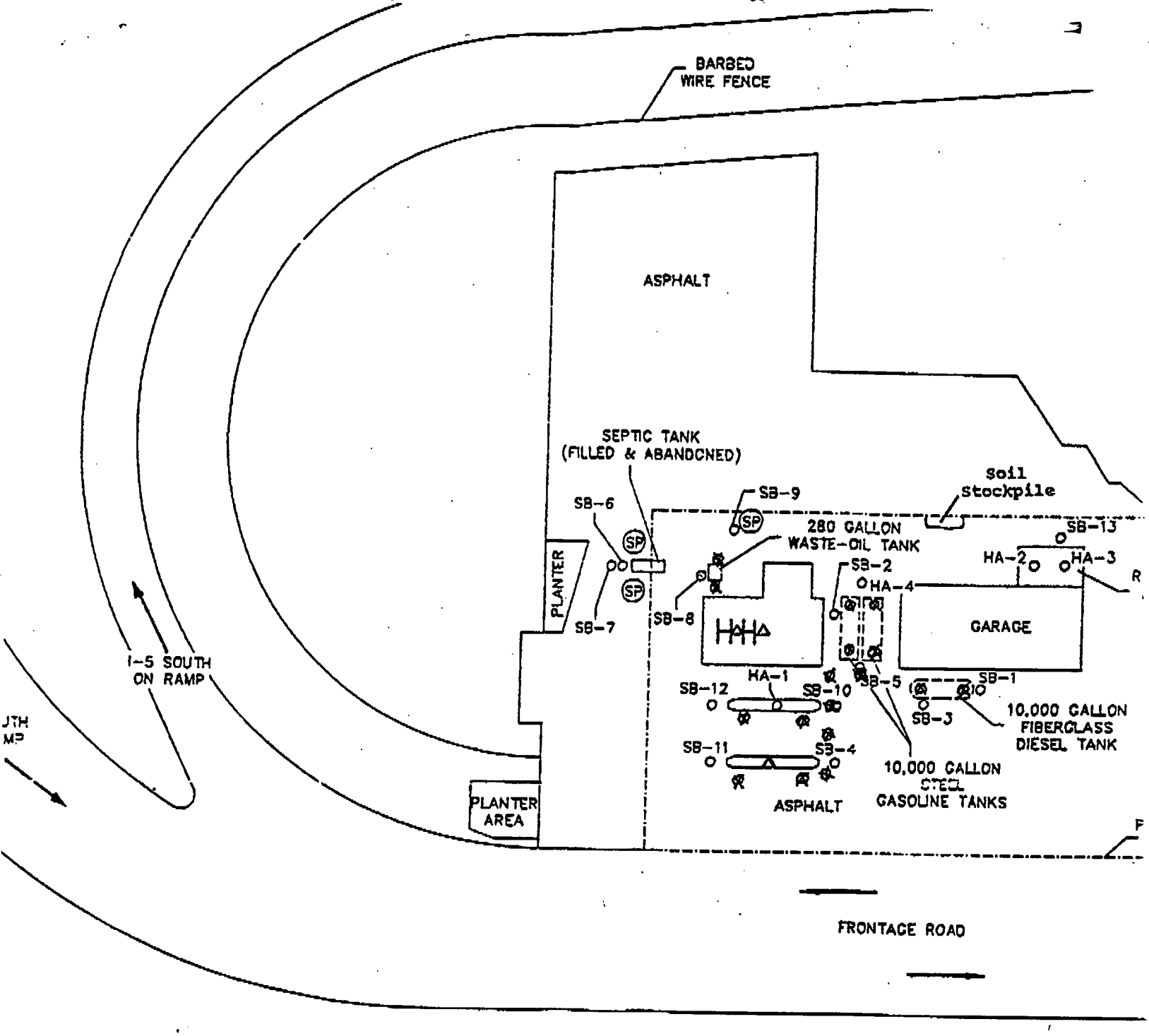
Decontamination procedure: PRESSURE WASH	
Decontamination Contractor: WEGENER CONST. Phone #(805) 589-5570	Disposal location for rinseate: GIBSON REFINERY
Disposal method for tank(s): SCRAP	Disposal location for tank(s): GOLDEN STATE
Disposal method for piping: SCRAP	Disposal location for piping:

Please Complete the Reverse Side of This Application Before Submitting For Review

This form has been completed under penalty of perjury and to the best of my knowledge is true and correct.

Signature: [signature] Title: _____ Date: 7-22-92

JUL 16 '92 08:59 661 3429



ED (PER UNOCAL

GS

NOTE:
⊕ INDICATES SAMPLES TO BE TAKEN

GeoResearch

1713 Tulare, Suite 113
Fresno, California 93721
(209) 264-0444
(800) 523-4786
Fax: (209) 264-9800

JUL 17 1992

July 16, 1992

Mr. Chris Finberg
Kern County Environmental Health Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301

RE: Unocal Service Station No. 4734, 9068 W. Grapevine Road, Lebec, California. GeoResearch Project No. 92075.

Dear Mr. Finberg:

The Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report for the above-referenced site, submitted on behalf of Unocal Corporation, is enclosed. This is in response to the findings of our site assessment early this year. The assessment report was forwarded to the County (Terry Gray) a couple of months ago. It was only recently noted that this report had not been filed and we are doing so now in accordance with Unocal policy. Please note that any required soil remediation will be accomplished following station demolition later this summer. If you have any questions please contact me at (209) 264-0444.

Sincerely,

Warren W. Gross
Associate Geologist

enclosure

cc: Robert Boust, Unocal Corporation

4734UREL.LTR2 071592F

PLEASE CONTACT Logan Sandoval 818-[redacted]42-3644

KERN COUNTY RESOURCE MANAGEMENT ACENCY
ENVIRONMENTAL HEALTH SERVICES DEPARTMENT
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301
(805)861-3636

(FILL OUT ONE APPLICATION PER FACILITY)

INTERNAL USE ONLY:	
APPLICATION DATE: 6-5-92	PTA: A1702-33
# OF TANKS TO ABANDON:	
PIPING FT. TO ABANDON: 3	PTO: 330097

APPLICATION FOR PERMIT FOR PERMANENT CLOSURE/ABANDONMENT OF UNDERGROUND HAZARDOUS SUBSTANCE STORAGE FACILITY

THIS APPLICATION IS FOR [] REMOVAL, OR [] ABANDONMENT IN PLACE

A: FACILITY INFORMATION

PROJECT CONTACT: LOGAN FRAME	PHONE #: (818) 374-6515	T/R/SEC (RURAL LOCATIONS):	
FACILITY NAME: UNOCAL STATION	ADDRESS: 9068 W. GRAPEVINE	NEAREST CROSS STREET: U.S. HWY 99	
PHONE #: (818) 374-6515	CITY: TEJON RANCH ZIP:		
OWNER: UNOCAL	ADDRESS: 5990 SEPULVEDA BL	STATE: CA	
PHONE #: (818) 374-6515	CITY: VAN NUYS	ZIP: 91411	

B: CONTRACTOR INFORMATION

TANK REMOVAL CONTRACTOR: B & T CONTRACTOR PHONE #: 805 481-2552	ADDRESS: P.O. BOX CITY: ARROYO GRANDE	STATE: CA ZIP: 93421	
PROPOSED START DATE:	CALIFORNIA LICENSE TYPE & #: 623923 A; B C36 D40	WORKER'S COMPENSATION #:	
CONTRACTOR RETRIEVING SAMPLES: R.M.R. PHONE #: 805) 928-4013	ADDRESS: 2311 C. SOUTH OAKLY CITY: SANTA MARIA	STATE: CA ZIP: 93455	
WORKER'S COMPENSATION #:	INSURER:		
LABORATORY THAT WILL ANALYZE SAMPLES: PHONE #:	ADDRESS: CITY:	STATE: ZIP:	

C: CHEMICAL INFORMATION

CHEMICAL COMPOSTION OF MATERIALS STORED: TANK #	VOLUME	CHEMICAL STORED	DATES STORED	CHEMICAL FORMERLY STORED
1	10,000	SUPER	TO	
2	10,000	UNLEADED	TO	
3	1,000	ABANDON	TO	
			TO	

D: ENVIRONMENTAL INFORMATION

WATER TO FACILITY PROVIDED BY: TEJON WATER	IS GROUNDWATER WITHIN 50 FEET? Y OR N NO
NEAREST WATER WELL-GIVE DISTANCE IF WITHIN 500 FEET: 1 MILE	SOIL TYPE AT FACILITY: HARD BED
BASIS FOR SOIL TYPE AND GROUNDWATER DEPTH DETERMINATION:	
TOTAL NUMBER OF SAMPLES TO BE ANALYZED:	SAMPLES TO BE ANALYZED FOR:

E: DISPOSAL INFORMATION

DECONTAMINATION PROCEDURE:	
DECONTAMINATION CONTRACTOR: SPEEDS PHONE #: 805) 925-1369 (KIM)	DISPOSAL LOCATION FOR RINSATE: GIBSON OIL REF INC.
DISPOSAL METHOD FOR TANK(S): TRIPLE RINSE	DISPOSAL LOCATION FOR TANK(S): VALLEY PIPE SLAVAGE
DISPOSAL METHOD FOR PIPING:	DISPOSAL LOCATION FOR PIPING: VALLEY PIPE SLAVAGE

PLEASE COMPLETE THE REVERSE SIDE OF THIS APPLICATION BEFORE SUBMITTING FOR REVIEW

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY AND TO THE BEST OF MY KNOWLEDGE IS TRUE AND CORRECT.

SIGNATURE: Logan Sandoval TITLE: Cons Rep DATE: 6-5-92

PROVIDE DRAWING OF P...SICAL LAYOUT OF FACILITY ING SPACE PROVIDED BELOW.

ALL OF THE FOLLOWING INFORMATION MUST BE INCLUDED IN ORDER FOR THE APPLICATION TO BE PROCESSED:

_____ TANK(S), PIPING & DISPENSER(S), INCLUDING LENGTHS & DIMENSIONS.

_____ PROPOSED SAMPLING LOCATIONS DESIGNATED BY THIS SYMBOL "(X)"

_____ NEAREST STREET OR INTERSECTION

_____ ANY WATER WELLS OF SURFACE WATERS WITHIN 100' RADIUS OF FACILITY

_____ NORTH ARROW

Facility Name UNOCAL Permit No. _____

TANK # _____ (FILL OUT SEPARATE FORM FOR EACH TANK)

FOR EACH SECTION, CHECK ALL APPROPRIATE BOXES

H. 1. Tank is: ( ) Vaulted ( ) Non-Vaulted ( ) Double-Wall ( ) Single-Wall

2. Tank Material

( ) Carbon Steel ( ) Stainless Steel ( ) Polyvinyl Chloride (X) Fiberglass-Clad Steel
( ) Fiberglass-Reinforced Plastic ( ) Concrete ( ) Aluminum ( ) Bronze ( ) Unknown
( ) Other (describe) _____

3. Primary Containment

Date Installed _____ Thickness (Inches) 1/4" Capacity (Gallons) _____ Manufacturer _____

4. Tank Secondary Containment

( ) Double-Wall ( ) Synthetic Liner ( ) Lined Vault ( ) None (X) Unknown
( ) Other (describe): _____ Manufacturer: _____
( ) Material _____ Thickness (Inches) _____ Capacity (Gallons) _____

5. Tank Interior Lining

( ) Rubber ( ) Alkyd ( ) Epoxy ( ) Phenolic (X) Glass ( ) Clay ( ) Unlined ( ) Unknown
( ) Other (describe): _____

6. Tank Corrosion Protection

( ) Galvanized (X) Fiberglass-Clad ( ) Polyethylene Wrap ( ) Vinyl Wrapping
( ) Tar or Asphalt ( ) Unknown ( ) None ( ) Other (describe): _____
Cathodic Protection: ( ) None ( ) Impressed Current System ( ) Sacrificial Anode System
Describe System and Equipment: _____

7. Leak Detection, Monitoring, and Interception

a. Tank: ( ) Visual (vaulted tanks only) ( ) Groundwater Monitoring Well(s)
( ) Vadose Zone Monitoring Well(s) ( ) U-Tube Without Liner
( ) U-Tube with Compatible Liner Directing Flow to Monitoring Well(s)*
( ) Vapor Detector* (X) Liquid Level Sensor* ( ) Conductivity Sensor*
( ) Pressure Sensor in Annular Space of Double Wall Tank* _____
( ) Liquid Retrieval & Inspection From U-Tube, Monitoring Well or Annular Space
( ) Daily Gauging & Inventory Reconciliation ( ) Periodic Tightness Testing
( ) None ( ) Unknown ( ) Other _____

b. Piping: (X) Flow-Restricting Leak Detector(s) for Pressurized Piping*
( ) Monitoring Sump with Raceway ( ) Sealed Concrete Raceway
( ) Half-Cut Compatible Pipe Raceway ( ) Synthetic Liner Raceway ( ) None
( ) Unknown ( ) Other _____
*Describe Make & Model: _____

8. Tank Tightness

Has This Tank Been Tightness Tested? ( ) Yes (X) No ( ) Unknown
Date of Last Tightness Test _____ Results of Test _____
Test Name _____ Testing Company _____

9. Tank Repair

Tank Repaired? ( ) Yes (X) No ( ) Unknown
Date(s) of Repair(s) _____
Describe Repairs _____

10. Overfill Protection

( ) Operator Fills, Controls, & Visually Monitors Level
( ) Tape Float Gauge (X) Float Vent Valves ( ) Auto Shut-Off Controls
( ) Capacitance Sensor ( ) Sealed Fill Box ( ) None ( ) Unknown
( ) Other: _____ List Make & Model for Above Devices
_____

11. Piping

a. Underground Piping: (X) Yes ( ) No ( ) Unknown Material _____
Thickness (inches) 1/4 Diameter _____ Manufacturer _____
(X) Pressure ( ) Suction ( ) Gravity Approximate Length of Pipe Run _____

b. Underground Piping Corrosion Protection:
( ) Galvanized ( ) Fiberglass-Clad ( ) Impressed Current ( ) Sacrificial Anode
( ) Polyethylene Wrap ( ) Electrical Isolation ( ) Vinyl Wrap ( ) Tar or Asphalt
(X) Unknown ( ) None ( ) Other (describe): _____

c. Underground Piping, Secondary Containment:
( ) Double-Wall ( ) Synthetic Liner System ( ) None (X) Unknown
( ) Other (describe): _____

ENVIRONMENTAL HEALTH DEPARTMENT
2700 "M" STREET, STE. 300
BAKERSFIELD, CA 93301

Permit No. _____
Application Date 6-5-92

APPLICATION FOR PERMIT TO OPERATE UNDERGROUND HAZARDOUS SUBSTANCES STORAGE FACILITY

Type Of Application (check):
☐ New Facility ☐ Modification Of Facility ☐ Existing Facility ☐ Transfer Of Ownership

A. Emergency 24-Hour Contact (name, area code, phone): Days (818) 374-6515
Nights (818) 374-6515
Facility Name UNOCAL STATION No. Of Tanks 3
Type Of Business (check): ☒ Gasoline Station ☐ Other (describe) _____
Is Tank(s) Located On An Agricultural Farm? ☐ Yes ☒ No
Is Tank(s) Used Primarily For Agricultural Purposes? ☐ Yes ☒ No
Facility Address 9068 GRAPEVINE RD Nearest Cross St. HWY 99
T _____ R _____ SEC _____ (Rural Locations Only)
Tank Owner UNOCAL Contact Person LOGAN FRAME
Address 5990 SEPULVEDA City/State VANNUYS CA Telephone (818) 374-6515
Operator _____ Contact Person _____
Address _____ Zip _____ Telephone _____

B. Water To Facility Provided By TEJON WATER Depth to Groundwater 100
Soil Characteristics At Facility HARD BED
Basis For Soil Type and Groundwater Depth Determinations _____

C. Contractor B&T CONTRACTOR CA Contractor's License No. 623923
Address P.O. BOX 220 ARVIN GRANDE Zip 93421 Telephone (805) 481-2552
Proposed Starting Date _____ Proposed Completion Date _____
Worker's Compensation Certification No. _____ Insurer _____

D. If This Permit Is For Modification Of An Existing Facility, Briefly Describe Modifications Proposed REMOVE ALL EXIST UNDERGROUND TANKS

E. Tank(s) Store (check all that apply):

Tank #	Waste	Product	Motor Vehicle Fuel	Unleaded	Regular	Premium	Diesel	Waste Oil
1	☐	☒	☒	☐	☐	☒	☐	☐
2	☐	☒	☒	☒	☐	☐	☐	☐
3	☐	☐	☐	☐	☐	☐	☐	☐
_____	☐	☐	☐	☐	☐	☐	☐	☐

F. Chemical Composition Of Materials Stored (not necessary for motor vehicle fuels)

Tank #	Chemical Stored (non-commercial name)	CAS # (if known)	Chemical Previously Stored (if different)
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

G. Transfer Of Ownership
Date Of Transfer _____ Previous Owner _____
Previous Facility Name _____
I, _____ accept fully all obligations of Permit No. _____ issued to _____. I understand that the Permitting Authority may review and modify or terminate the transfer of the Permit to Operate this underground storage facility upon receiving this completed form.

This form has been completed under penalty of perjury and to the best of my knowledge is true and correct.

Signature _____ Title _____ Date 6-5-92

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY SITE CLOSURE ☒ 7 PERMANENTLY CLOSED SITE

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME	NAME OF OPERATOR	
UNOCAL	LOGAN FRAME	
ADDRESS: 7068 W. GRAPEVINE RD	NEAREST CROSS STREET: HWY 99	PARCEL # (OPTIONAL)
CITY NAME: TEJON RANCH CO.	STATE: CA / ZIP CODE	SITE PHONE # WITH AREA CODE: (81E) 374-6515

✓ BOX TO INDICATE: ☒ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY DISTRICTS ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY

TYPE OF BUSINESS	☐ ✓ IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE	E. P. A. I. D. # *(optional)*
☒ 1 GAS STATION ☐ 2 DISTRIBUTOR ☐ 3 FARM ☐ 4 PROCESSOR ☐ 5 OTHER			

EMERGENCY CONTACT PERSON (PRIMARY)	EMERGENCY CONTACT PERSON (SECONDARY) - optional
DAYS: NAME (LAST, FIRST) / PHONE # WITH AREA CODE: LOGAN FRAME (81E) 374-6515	DAYS: NAME (LAST, FIRST) / PHONE # WITH AREA CODE
NIGHTS: NAME (LAST, FIRST) / PHONE # WITH AREA CODE: LOGAN FRAME (81E) 374-6515	NIGHTS: NAME (LAST, FIRST) / PHONE # WITH AREA CODE

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME	CARE OF ADDRESS INFORMATION	
UNOCAL	LOGAN FRAME	
MAILING OR STREET ADDRESS: 599C SEPULVEDA BL	✓ box to indicate: ☒ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY	
CITY NAME: VAN NUYS	STATE: CA. / ZIP CODE: 91411	PHONE # WITH AREA CODE: (81E) 374-6515

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER	CARE OF ADDRESS INFORMATION	
SAME		
MAILING OR STREET ADDRESS: A-S	✓ box to indicate: ☐ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY	
CITY NAME: ABOVE	STATE / ZIP CODE	PHONE # WITH AREA CODE

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 739-2582 if questions arise.

TY (TK) HQ 44 - [ ][ ][ ][ ][ ][ ]

V. LEGAL NOTIFICATION AND BILLING ADDRESS

Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I. ☐ II. ☐ III. ☐

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)	APPLICANT'S TITLE	DATE MONTH/DAY/YEAR
JUAN SANDOVAL		6-4-92

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	FACILITY #
15	000	C3C732

LOCATION CODE - *OPTIONAL*	CENSUS TRACT # - *OPTIONAL*	SUPVISOR - DISTRICT CODE - *OPTIONAL*
	33	

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - **FORM B**, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.

INSTRUCTIONS FOR COMPLETING FORM "A"

GENERAL INSTRUCTIONS:

1. One FORM "A" shall be completed for all **NEW PERMITS, PERMIT CHANGES** or any **FACILITY/SITE INFORMATION CHANGES.**
2. **SUBMIT ONLY ONE (1) FORM "A"** for a Facility/Site, regardless of the number of tanks located at the site.
3. This form should be completed by either the PERMIT **APPLICANT** or the **LOCAL AGENCY UNDERGROUND TANK INSPECTOR.**
4. Please type or print clearly all requested information.
5. Use a hard point writing instrument, you are making 3 copies.

TOP OF FORM: "MARK ONLY ONE ITEM"

1. Mark an (X) in the box next to the item that best describes the reason the form is being completed.

I. FACILITY/SITE INFORMATION & ADDRESS (MUST BE COMPLETED)

1. Record name and address (physical location) of the underground tank(s).
   NOTE: Address MUST have a valid physical location including city, state, and zip code.
   P.O. BOX NUMBER ARE NOT ACCEPTABLE.
   Include nearest cross street and name of the operator.
2. Phone number must have an area code. If the night number is the same, write "SAME" in proper location.
3. Check the appropriate box for TYPE OF BUSINESS OWNERSHIP (ex. CORPORATION, INDIVIDUAL, etc.)
4. Check the appropriate box for TYPE OF BUSINESS.
5. If Facility/Site is located on land within an indian reservation or other indian trust lands, check the box marked "YES".
6. Indicate the NUMBER of TANKS at this SITE.
7. Record the E.P.A. ID # or write "NONE" in the space provided.

II. PROPERTY OWNER INFORMATION & ADDRESS (MUST BE COMPLETED)

1. Complete all items in this section, unless all items are the same as SECTION 1; if the same, write **"SAME AS SITE"** across this section. Be sure to check PROPERTY OWNERSHIP TYPE box.

III. TANK OWNER INFORMATION & ADDRESS (MUST BE COMPLETED)

1. Complete all items in this section, unless all items are the same as SECTION 1; If the same, write **"SAME AS SITE"** across this section. Be sure to check **TANK OWNERSHIP TYPE** box.

IV BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER (MUST BE COMPLETED)

Enter your Board of Equalization (BOE) UST storage fee account number which is required before your permit application can be processed. Registration with the BOE will ensure that you will receive a quarterly storage fee return in reporting the $0.006 (6 mills) per gallon fee due on the number of gallons placed in your USTs. The BOE will code persons exempt from paying the storage fee so returns will not be sent. If you do not have an account number with the BOE or if you have any questions regarding the fee or exemptions, please call the BOE at 916-739-2582 or write to the BOE at the following address: Board of Equalization, Environmental Fees Unit, P.O. Box 942879, Sacramento, CA 94279-0001.

V. LEGAL NOTIFICATION AND BILLING ADDRESS

1. Check **ONE BOX** for the address that will be used for **BOTH LEGAL AND BILLING NOTIFICATIONS.**

APPLICANT MUST SIGN AND DATE THE FORM AS INDICATED.

INSTRUCTION FOR THE LOCAL AGENCIES

The county and jurisdiction numbers are predetermined and can be obtained by calling the State Board (916)739-2421. The facility number may be assigned by the local agency; however, this number must be numerical and cannot contain an alphabet. If the local agency prefers the State Board to assign the facility number, please leave it blank.

IT IS THE RESPONSIBILITY OF THE LOCAL AGENCY THAT INSPECTS THE FACILITY TO VERIFY THE ACCURACY OF THE INFORMATION. THIS APPLICATION CANNOT BE PROCESSED IF THE BOE ACCOUNT NUMBER IS NOT FILLED IN. THE LOCAL AGENCY IS RESPONSIBLE FOR THE COMPLETION OF THE "LOCAL AGENCY USE ONLY" INFORMATION BOX AND FOR FORWARDING ONE FORM "A" AND ASSOCIATED FORM "B"(s) TO THE FOLLOWING ADDRESS.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
C/O S.W.E.E.P.S.
DATA PROCESSING CENTER
P.O. BOX 527
PARAMOUNT, CA 90723

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM
☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY TANK CLOSURE ☒ 7 PERMANENTLY CLOSED ON SITE ☒ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: 9068 W. GRAPEVINE RD. TEJON RANCH

I. TANK DESCRIPTION
COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # 1	B. MANUFACTURED BY: MODERN WELDING
C. DATE INSTALLED (MO/DAY/YEAR) UNKNOWN	D. TANK CAPACITY IN GALLONS: 10,000

II. TANK CONTENTS
IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☒ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT ☐ 4 OIL ☐ 80 EMPTY ☐ 95 UNKNOWN

B. ☒ 1 PRODUCT ☐ 2 WASTE

C. ☐ 1a REGULAR UNLEADED ☒ 1b PREMIUM UNLEADED ☐ 2 LEADED ☐ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 6 AVIATION GAS ☐ 7 METHANOL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED C. A. S. # :

III. TANK CONSTRUCTION
MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM: ☒ 1 DOUBLE WALL ☐ 2 SINGLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☐ 95 UNKNOWN ☐ 99 OTHER

B. TANK MATERIAL (Primary Tank): ☐ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☒ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE W/FRP ☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER

C. INTERIOR LINING: ☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☒ 5 GLASS LINING ☐ 6 UNLINED ☐ 95 UNKNOWN ☐ 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL ? YES ___ NO ___

D. CORROSION PROTECTION: ☐ 1 POLYETHYLENE WRAP ☐ 2 COATING ☐ 3 VINYL WRAP ☒ 4 FIBERGLASS REINFORCED PLASTIC ☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

E. SPILL AND OVERFILL — SPILL CONTAINMENT INSTALLED (YEAR) _____ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____

IV. PIPING INFORMATION
CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE: A U 1 SUCTION A U 2 PRESSURE A U 3 GRAVITY A U 99 OTHER

B. CONSTRUCTION: A U 1 SINGLE WALL A U 2 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER

C. MATERIAL AND CORROSION PROTECTION: A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A U 4 FIBERGLASS PIPE A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W/ COATING A U 8 100% METHANOL COMPATIBLE W/FRP A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 95 UNKNOWN A U 99 OTHER

D. LEAK DETECTION: ☒ 1 AUTOMATIC LINE LEAK DETECTOR ☐ 2 LINE TIGHTNESS TESTING ☐ 3 INTERSTITIAL MONITORING ☐ 99 OTHER

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK ☐ 2 INVENTORY RECONCILIATION ☐ 3 VADOZE MONITORING ☐ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING ☐ 6 TANK TESTING ☒ 7 INTERSTITIAL MONITORING ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING	3. WAS TANK FILLED WITH INERT MATERIAL ?
10/1/92	Ø GALLONS	YES ☐ NO ☒

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)	DATE
Juan Sandoval	6-4-92

LOCAL AGENCY USE ONLY
THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
	15	000	03013.2	000001

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE
330097		

FORM B (7-91) THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FOR0034B-R5

INSTRUCTIONS FOR COMPLETING FORM "B"

GENERAL INSTRUCTIONS:

1. One FORM "B" shall be completed for each tank for all NEW PERMITS, PERMIT CHANGES, REMOVALS and/or any other TANK INFORMATION CHANGE.
2. This form should be completed by either the PERMIT APPLICANT or the LOCAL AGENCY UNDERGROUND TANK INSPECTOR.
3. Please type or print clearly all requested information.
4. Use a hard point writing instrument, you are making 3 copies.

TOP OF FORM: "MARK ONLY ONE ITEM"

1. Mark an (X) in the box next to the item that best describes the reason the form is being completed.
2. Indicate the DBA or Facility name where the tank is installed.

I. TANK DESCRIPTION - COMPLETE ALL ITEMS - IF UNKNOWN - SO SPECIFY

A. Indicate owners tank ID # - If there is a tank number that is used by the owner to identify the tank (ex. AB70789).
B. Indicate the name of the company that manufactured the tank (ex. ACME TANK MFG.).
C. Indicate the year the tank was installed (ex. 1987).
D. Indicate the tank capacity in gallons (ex. 25,000 or 10,000 etc.).

II. TANK CONTENTS

A. 1. If MOTOR VEHICLE FUEL, check box 1 and complete items B & C.
   2. If not MOTOR VEHICLE FUEL, check the appropriate box in section A and complete items B & D.
B. Check the appropriate box.
C. Check the type of MOTOR VEHICLE FUEL (if box 1 is checked in A).
D. Print the chemical name of the hazardous substance stored in the tank and the C.A.S.#. (Chemical Abstract Service number), if box 1 is NOT checked in A.

III. TANK CONSTRUCTION - MARK ONE ITEM ONLY IN BOX A, B, C & D

1. Check only one item in TYPE OF SYSTEM, TANK MATERIAL, INTERIOR LINING and CORROSION PROTECTION.
2. If OTHER, print in the space provided.

IV. PIPING INFORMATION

1. Circle A if above ground; circle U if underground; and circle both if applicable.
2. If UNKNOWN, circle; or if OTHER, print in space provided.
3. Indicate the LEAK DETECTION system(s) used to comply with the monitoring requirement for the piping.

V. TANK LEAK DETECTION

1. Indicate the LEAK DETECTION system(s) used to comply with the monitoring requirements for the tank.

VI. INFORMATION ON TANK PERMANENTLY CLOSED IN PLACE

1. ESTIMATED DATE LAST USED - MONTH/YEAR (January, 1988 or 01/88).
2. ESTIMATED QUANTITY of HAZARDOUS SUBSTANCE remaining in the tank (in Gallons).
3. WAS TANK FILLED WITH INERT MATERIAL? Check 'Yes' or 'NO'.

APPLICANT MUST SIGN AND DATE THE FORM AS INDICATED.

INSTRUCTION FOR THE LOCAL AGENCIES

The state underground storage tank identification number is composed of the two digit county number, the three digit jurisdiction number, the six digit facility number and the six digit tank number. The county and jurisdiction numbers are predetermined and can be obtained by calling the State Board (916)739-2421. The facility number must be the same as shown in form "A". The tank number may be assigned by the local agency; however, this number must be numerical and cannot contain an alphabet. If the local agency prefers the State Board to assign the tank number, please leave it blank.

IT IS THE RESPONSIBILITY OF THE LOCAL AGENCY THAT INSPECTS THE FACILITY TO VERIFY THE ACCURACY OF THE INFORMATION. THE LOCAL AGENCY IS RESPONSIBLE FOR THE COMPLETION OF THE "LOCAL AGENCY USE ONLY" INFORMATION BOX AND FOR FORWARDING ONE FORM "A" AND ASSOCIATED FORM "B"(s) TO THE FOLLOWING ADDRESS.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
C/O S.W.E.E.P.S.
DATA PROCESSING CENTER
P.O. BOX 527
PARAMOUNT, CA 90723

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM
☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY TANK CLOSURE ☒ 7 PERMANENTLY CLOSED ON SITE ☒ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: 9068 W. GRAPEVINE RD TEJON RANCH

I. TANK DESCRIPTION
COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # 2	B. MANUFACTURED BY: MODERN-WEILDING
C. DATE INSTALLED (MO/DAY/YEAR) UNKNOWN	D. TANK CAPACITY IN GALLONS: 10,000

II. TANK CONTENTS
IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☒ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT ☐ 4 OIL ☐ 80 EMPTY ☐ 95 UNKNOWN

B. ☒ 1 PRODUCT ☐ 2 WASTE

C. ☒ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 2 LEADED ☐ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 6 AVIATION GAS ☐ 7 METHANOL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED C. A. S. # :

III. TANK CONSTRUCTION
MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM: ☒ 1 DOUBLE WALL ☐ 2 SINGLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☐ 95 UNKNOWN ☐ 99 OTHER

B. TANK MATERIAL (Primary Tank): ☐ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☒ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE W/FRP ☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER

C. INTERIOR LINING: ☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☒ 5 GLASS LINING ☐ 6 UNLINED ☐ 95 UNKNOWN ☐ 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL ? YES ___ NO ___

D. CORROSION PROTECTION: ☐ 1 POLYETHYLENE WRAP ☐ 2 COATING ☐ 3 VINYL WRAP ☒ 4 FIBERGLASS REINFORCED PLASTIC ☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

E. SPILL AND OVERFILL: SPILL CONTAINMENT INSTALLED (YEAR) _____ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____

IV. PIPING INFORMATION
CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER			
B. CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN	A U 99 OTHER		
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE			
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE W/FRP			
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 95 UNKNOWN	A U 99 OTHER			
D. LEAK DETECTION	☒ 1 AUTOMATIC LINE LEAK DETECTOR	☐ 2 LINE TIGHTNESS TESTING	☐ 3 INTERSTITIAL MONITORING	☐ 99 OTHER			

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK ☐ 2 INVENTORY RECONCILIATION ☐ 3 VADOZE MONITORING ☐ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING ☐ 6 TANK TESTING ☒ 7 INTERSTITIAL MONITORING ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING	3. WAS TANK FILLED WITH INERT MATERIAL ?
10/1/92	Ø GALLONS	YES ☐ NO ☒

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) Juan Sandoval DATE 6-4-92

LOCAL AGENCY USE ONLY
THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
	15	000	030732	000002

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE
330097		

FORM B (7-91) THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FOR0034B-R5

INSTRUCTIONS FOR COMPLETING FORM "B"

GENERAL INSTRUCTIONS:

1. One FORM "B" shall be completed for each tank for all **NEW PERMITS, PERMIT CHANGES, REMOVALS** and/or any other **TANK INFORMATION CHANGE**.
2. This form should be completed by either the **PERMIT APPLICANT** or the **LOCAL AGENCY UNDERGROUND TANK INSPECTOR**.
3. Please type or print clearly all requested information.
4. Use a hard point writing instrument, you are making 3 copies.

TOP OF FORM: "MARK ONLY ONE ITEM"

1. Mark an (X) in the box next to the item that best describes the reason the form is being completed.
2. Indicate the DBA or Facility name where the tank is installed.

I. TANK DESCRIPTION - COMPLETE ALL ITEMS - IF UNKNOWN - SO SPECIFY

A. Indicate owners tank ID # - If there is a tank number that is used by the owner to identify the tank (ex. AB70789).
B. Indicate the name of the company that manufactured the tank (ex. ACME TANK MFG.).
C. Indicate the year the tank was installed (ex. 1987).
D. Indicate the tank capacity in gallons (ex. 25,000 or 10,000 etc.).

II. TANK CONTENTS

A. 1. If MOTOR VEHICLE FUEL, check box 1 and complete items B & C.
2. If not MOTOR VEHICLE FUEL, check the appropriate box in section A and complete items B & D.
B. Check the appropriate box.
C. Check the type of MOTOR VEHICLE FUEL (if box 1 is checked in A).
D. Print the chemical name of the hazardous substance stored in the tank and the C.A.S.#. (Chemical Abstract Service number), if box 1 is NOT checked in A.

III. TANK CONSTRUCTION - MARK ONE ITEM ONLY IN BOX A, B, C & D

1. Check only one item in TYPE OF SYSTEM, TANK MATERIAL, INTERIOR LINING and CORROSION PROTECTION.
2. If OTHER, print in the space provided.

IV. PIPING INFORMATION

1. Circle **A** if above ground; circle **U** if underground; and circle both if applicable.
2. If UNKNOWN, circle; or if OTHER, print in space provided.
3. Indicate the LEAK DETECTION system(s) used to comply with the monitoring requirement for the piping.

V. TANK LEAK DETECTION

1. Indicate the LEAK DETECTION system(s) used to comply with the monitoring requirements for the tank.

VI. INFORMATION ON TANK PERMANENTLY CLOSED IN PLACE

1. ESTIMATED DATE LAST USED - MONTH/YEAR (January, 1988 or 01/88).
2. ESTIMATED QUANTITY of HAZARDOUS SUBSTANCE remaining in the tank (in Gallons).
3. WAS TANK FILLED WITH INERT MATERIAL? Check 'Yes' or 'NO'.

APPLICANT MUST SIGN AND DATE THE FORM AS INDICATED.

INSTRUCTION FOR THE LOCAL AGENCIES

The state underground storage tank identification number is composed of the two digit county number, the three digit jurisdiction number, the six digit facility number and the six digit tank number. The county and jurisdiction numbers are predetermined and can be obtained by calling the State Board (916)739-2421. The facility number must be the same as shown in form "A". The tank number may be assigned by the local agency; however, this number must be numerical and cannot contain an alphabet. If the local agency prefers the State Board to assign the tank number, please leave it blank.

IT IS THE RESPONSIBILITY OF THE LOCAL AGENCY THAT INSPECTS THE FACILITY TO VERIFY THE ACCURACY OF THE INFORMATION. THE LOCAL AGENCY IS RESPONSIBLE FOR THE COMPLETION OF THE "LOCAL AGENCY USE ONLY" INFORMATION BOX AND FOR FORWARDING ONE FORM "A" AND ASSOCIATED FORM "B"(s) TO THE FOLLOWING ADDRESS.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
C/O S.W.E.E.P.S.
DATA PROCESSING CENTER
P.O. BOX 527
PARAMOUNT, CA 90723

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY TANK CLOSURE ☒ 7 PERMANENTLY CLOSED ON SITE ☒ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: 9068 W. GRAPEVINE RD TEJON RANCH

I. TANK DESCRIPTION
COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # 3	B. MANUFACTURED BY: JOOR
C. DATE INSTALLED (MO/DAY/YEAR) UNKNOWN	D. TANK CAPACITY IN GALLONS: 1000

II. TANK CONTENTS
IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☐ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT ☐ 4 OIL ☐ 80 EMPTY ☒ 95 UNKNOWN

B. ☐ 1 PRODUCT ☐ 2 WASTE

C. ☐ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 2 LEADED ☐ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 6 AVIATION GAS ☐ 7 METHANOL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED C. A. S. # :

III. TANK CONSTRUCTION
MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM: ☐ 1 DOUBLE WALL ☒ 2 SINGLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☒ 95 UNKNOWN ☐ 99 OTHER

B. TANK MATERIAL (Primary Tank): ☒ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☐ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE W/FRP ☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER

C. INTERIOR LINING: ☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☐ 5 GLASS LINING ☐ 6 UNLINED ☒ 95 UNKNOWN ☐ 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL ? YES ___ NO ___

D. CORROSION PROTECTION: ☐ 1 POLYETHYLENE WRAP ☐ 2 COATING ☐ 3 VINYL WRAP ☐ 4 FIBERGLASS REINFORCED PLASTIC ☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☒ 95 UNKNOWN ☐ 99 OTHER

E. SPILL AND OVERFILL — SPILL CONTAINMENT INSTALLED (YEAR) _____ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____

IV. PIPING INFORMATION
CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER
B. CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE W/FRP
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 95 UNKNOWN	A U 99 OTHER

D. LEAK DETECTION: ☐ 1 AUTOMATIC LINE LEAK DETECTOR ☐ 2 LINE TIGHTNESS TESTING ☐ 3 INTERSTITIAL MONITORING ☐ 99 OTHER

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK ☐ 2 INVENTORY RECONCILIATION ☐ 3 VADOZE MONITORING ☐ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING ☐ 6 TANK TESTING ☐ 7 INTERSTITIAL MONITORING ☐ 91 NONE ☒ 95 UNKNOWN ☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING	3. WAS TANK FILLED WITH INERT MATERIAL ?
10/1/92	Ø GALLONS	YES ☐ NO ☒

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)	DATE
Juan Sandoval Arson Sandoval	6-4-92

LOCAL AGENCY USE ONLY
THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
	15	000	03732	000003

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE
330097		

FORM B (7-91) THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FOR0034B-R5

INSTRUCTIONS FOR COMPLETING FORM "B"

GENERAL INSTRUCTIONS:

1. One FORM "B" shall be completed for each tank for all NEW PERMITS, PERMIT CHANGES, REMOVALS and/or any other TANK INFORMATION CHANGE.
2. This form should be completed by either the PERMIT APPLICANT or the LOCAL AGENCY UNDERGROUND TANK INSPECTOR.
3. Please type or print clearly all requested information.
4. Use a hard point writing instrument, you are making 3 copies.

TOP OF FORM: "MARK ONLY ONE ITEM"

1. Mark an (X) in the box next to the item that best describes the reason the form is being completed.
2. Indicate the DBA or Facility name where the tank is installed.

I. TANK DESCRIPTION - COMPLETE ALL ITEMS - IF UNKNOWN - SO SPECIFY

A. Indicate owners tank ID # - If there is a tank number that is used by the owner to identify the tank (ex. AB70789).
B. Indicate the name of the company that manufactured the tank (ex. ACME TANK MFG.).
C. Indicate the year the tank was installed (ex. 1987).
D. Indicate the tank capacity in gallons (ex. 25,000 or 10,000 etc.).

II. TANK CONTENTS

A. 1. If MOTOR VEHICLE FUEL, check box 1 and complete items B & C.
   2. If not MOTOR VEHICLE FUEL, check the appropriate box in section A and complete items B & D.
B. Check the appropriate box.
C. Check the type of MOTOR VEHICLE FUEL (if box 1 is checked in A).
D. Print the chemical name of the hazardous substance stored in the tank and the C.A.S.#. (Chemical Abstract Service number), if box 1 is NOT checked in A.

III. TANK CONSTRUCTION - MARK ONE ITEM ONLY IN BOX A, B, C & D

1. Check only one item in TYPE OF SYSTEM, TANK MATERIAL, INTERIOR LINING and CORROSION PROTECTION.
2. If OTHER, print in the space provided.

IV. PIPING INFORMATION

1. Circle A if above ground; circle U if underground; and circle both if applicable.
2. If UNKNOWN, circle; or if OTHER, print in space provided.
3. Indicate the LEAK DETECTION system(s) used to comply with the monitoring requirement for the piping.

V. TANK LEAK DETECTION

1. Indicate the LEAK DETECTION system(s) used to comply with the monitoring requirements for the tank.

VI. INFORMATION ON TANK PERMANENTLY CLOSED IN PLACE

1. ESTIMATED DATE LAST USED - MONTH/YEAR (January, 1988 or 01/88).
2. ESTIMATED QUANTITY of HAZARDOUS SUBSTANCE remaining in the tank (in Gallons).
3. WAS TANK FILLED WITH INERT MATERIAL? Check 'Yes' or 'NO'.

APPLICANT MUST SIGN AND DATE THE FORM AS INDICATED.

INSTRUCTION FOR THE LOCAL AGENCIES

The state underground storage tank identification number is composed of the two digit county number, the three digit jurisdiction number, the six digit facility number and the six digit tank number. The county and jurisdiction numbers are predetermined and can be obtained by calling the State Board (916)739-2421. The facility number must be the same as shown in form "A". The tank number may be assigned by the local agency; however, this number must be numerical and cannot contain an alphabet. If the local agency prefers the State Board to assign the tank number, please leave it blank.

IT IS THE RESPONSIBILITY OF THE LOCAL AGENCY THAT INSPECTS THE FACILITY TO VERIFY THE ACCURACY OF THE INFORMATION. THE LOCAL AGENCY IS RESPONSIBLE FOR THE COMPLETION OF THE "LOCAL AGENCY USE ONLY" INFORMATION BOX AND FOR FORWARDING ONE FORM "A" AND ASSOCIATED FORM "B"(s) TO THE FOLLOWING ADDRESS.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
C/O S.W.E.E.P.S.
DATA PROCESSING CENTER
P.O. BOX 527
PARAMOUNT, CA 90723

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY TANK CLOSURE ☐ 7 PERMANENTLY CLOSED ON SITE ☒ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: 9068 W. Grapevine Rd., Tejon Ranch

I. TANK DESCRIPTION

COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # 4

B. MANUFACTURED BY: Owens Corning

C. DATE INSTALLED (MO/DAY/YEAR) 1/1/81

D. TANK CAPACITY IN GALLONS: 10,000

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☒ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT ☐ 4 OIL ☐ 80 EMPTY ☐ 95 UNKNOWN

B. ☒ 1 PRODUCT ☐ 2 WASTE

C. ☐ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 2 LEADED ☒ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 6 AVIATION GAS ☐ 7 METHANOL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED

C. A. S. # :

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM: ☐ 1 DOUBLE WALL ☒ 2 SINGLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☐ 95 UNKNOWN ☐ 99 OTHER

B. TANK MATERIAL (Primary Tank): ☐ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☒ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE W/FRP ☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER

C. INTERIOR LINING: ☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☐ 5 GLASS LINING ☐ 6 UNLINED ☒ 95 UNKNOWN ☐ 99 OTHER

IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL ? YES ___ NO ___

D. CORROSION PROTECTION: ☐ 1 POLYETHYLENE WRAP ☐ 2 COATING ☐ 3 VINYL WRAP ☒ 4 FIBERGLASS REINFORCED PLASTIC ☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

E. SPILL AND OVERFILL: SPILL CONTAINMENT INSTALLED (YEAR) _____ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____

IV. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE: A U 1 SUCTION A (U) 2 PRESSURE A U 3 GRAVITY A U 99 OTHER

B. CONSTRUCTION: A U 1 SINGLE WALL A (U) 2 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER

C. MATERIAL AND CORROSION PROTECTION: A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A (U) 4 FIBERGLASS PIPE A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W/ COATING A U 8 100% METHANOL COMPATIBLE W/FRP A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 95 UNKNOWN A U 99 OTHER

D. LEAK DETECTION: ☒ 1 AUTOMATIC LINE LEAK DETECTOR ☐ 2 LINE TIGHTNESS TESTING ☐ 3 INTERSTITIAL MONITORING ☐ 99 OTHER

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK ☒ 2 INVENTORY RECONCILIATION ☐ 3 VADOZE MONITORING ☐ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING ☐ 6 TANK TESTING ☐ 7 INTERSTITIAL MONITORING ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) 10/1/92

2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING Ø GALLONS

3. WAS TANK FILLED WITH INERT MATERIAL ? YES ☐ NO ☒

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) | DATE

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
	15	000	C30732	00001

PERMIT NUMBER 330097 | PERMIT APPROVED BY/DATE | PERMIT EXPIRATION DATE

FORM B (7-91) THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FOR0034B-R5

INSTRUCTIONS FOR COMPLETING FORM "B"

GENERAL INSTRUCTIONS:

1. One FORM "B" shall be completed for each tank for all **NEW PERMITS, PERMIT CHANGES, REMOVALS** and/or any other **TANK INFORMATION CHANGE.**
2. This form should be completed by either the **PERMIT APPLICANT** or the **LOCAL AGENCY UNDERGROUND TANK INSPECTOR.**
3. Please type or print clearly all requested information.
4. Use a hard point writing instrument, you are making 3 copies.

TOP OF FORM: "MARK ONLY ONE ITEM"

1. Mark an (X) in the box next to the item that best describes the reason the form is being completed.
2. Indicate the DBA or Facility name where the tank is installed.

I. TANK DESCRIPTION - COMPLETE ALL ITEMS - IF UNKNOWN - SO SPECIFY

A. Indicate owners tank ID # - If there is a tank number that is used by the owner to identify the tank (ex. AB70789).
B. Indicate the name of the company that manufactured the tank (ex. ACME TANK MFG.).
C. Indicate the year the tank was installed (ex. 1987).
D. Indicate the tank capacity in gallons (ex. 25,000 or 10,000 etc.).

II. TANK CONTENTS

A. 1. If MOTOR VEHICLE FUEL, check box 1 and complete items B & C.
   2. If not MOTOR VEHICLE FUEL, check the appropriate box in section A and complete items B & D.
B. Check the appropriate box.
C. Check the type of MOTOR VEHICLE FUEL (if box 1 is checked in A).
D. Print the chemical name of the hazardous substance stored in the tank and the C.A.S.#. (Chemical Abstract Service number), if box 1 is NOT checked in A.

III. TANK CONSTRUCTION - MARK ONE ITEM ONLY IN BOX A, B, C & D

1. Check only one item in TYPE OF SYSTEM, TANK MATERIAL, INTERIOR LINING and CORROSION PROTECTION.
2. If OTHER, print in the space provided.

IV. PIPING INFORMATION

1. Circle **A** if above ground; circle **U** if underground; and circle both if applicable.
2. If UNKNOWN, circle; or if OTHER, print in space provided.
3. Indicate the LEAK DETECTION system(s) used to comply with the monitoring requirement for the piping.

V. TANK LEAK DETECTION

1. Indicate the LEAK DETECTION system(s) used to comply with the monitoring requirements for the tank.

VI. INFORMATION ON TANK PERMANENTLY CLOSED IN PLACE

1. ESTIMATED DATE LAST USED - MONTH/YEAR (January, 1988 or 01/88).
2. ESTIMATED QUANTITY of HAZARDOUS SUBSTANCE remaining in the tank (in Gallons).
3. WAS TANK FILLED WITH INERT MATERIAL? Check 'Yes' or 'NO'.

APPLICANT MUST SIGN AND DATE THE FORM AS INDICATED.

INSTRUCTION FOR THE LOCAL AGENCIES

The state underground storage tank identification number is composed of the two digit county number, the three digit jurisdiction number, the six digit facility number and the six digit tank number. The county and jurisdiction numbers are predetermined and can be obtained by calling the State Board (916)739-2421. The facility number must be the same as shown in form "A". The tank number may be assigned by the local agency; however, this number must be numerical and cannot contain an alphabet. If the local agency prefers the State Board to assign the tank number, please leave it blank.

IT IS THE RESPONSIBILITY OF THE LOCAL AGENCY THAT INSPECTS THE FACILITY TO VERIFY THE ACCURACY OF THE INFORMATION. THE LOCAL AGENCY IS RESPONSIBLE FOR THE COMPLETION OF THE "LOCAL AGENCY USE ONLY" INFORMATION BOX AND FOR FORWARDING ONE FORM "A" AND ASSOCIATED FORM "B"(s) TO THE FOLLOWING ADDRESS.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
C/O S.W.E.E.P.S.
DATA PROCESSING CENTER
P.O. BOX 527
PARAMOUNT, CA 90723

TIGHTNESS TESTING REPORTS
EVALUATION FORM

Specialist reviewing the tightness test report: Chris Fenberg

Date tightness test reports were submitted: 8/14/91

Date tightness tests were completed: 8/8/91

Facility Permit Number: 330097

Number of Tanks Tested at the site: 3 (list the tanks by their tank numbers if provided) 1-UL 2 PUL 3 Diesel

Was the method a test of the entire tank system, piping alone, or just the facility tanks? (describe)

Entire

Did the facility pass all tests: X Yes _____ No
(if no, provide the leak rate and a description of the tank(s) that failed the test) (failure is > 0.1 gal per hour)

The facility will do the following to investigate the failed test:

N/A

The test method certification that is submitted to the state specifies that each test method be completed in a certain manner. Is there anything within the results which would suggest that the tank test was improperly completed? _____ Yes X No

(describe)

Information has been reviewed and placed within the database: ✓ YES _____ NO

Date entered within the database: 2/6/92

HM25 Entered by (name) JN

TEL-A-LEAK I™

TANK CERTIFICATION REPORT

MAR 23 1992

UNDERGROUND TANK TESTERS, INC.
917 W. Belleview • Porterville, Ca 93257
Phone (209) 781-6508

OWNER'S NAME — Property ☑ Tank(s) ☑

UNOCAL
Name — Telephone
2000 CROW CANYON PC 400 SAN RAMON 94583
Address — City — Zip

NAME OF LOCATION

GRAPEVINE UNION, INC. 805-327-2903
Name — Telephone
I-5 AT GRAPEVINE EXIT LEBEC 93243 KERN
Address — City — Zip — County

RECORD OF FILING

NOTICE TO OWNER: A copy of all test results have been filed with the proper regulatory agency governing underground storage systems. Yes ☐ No ☑ If not filed, see explanation below:

REPORT GIVEN TO STATION OPERATOR & FRANZEN-HILL
P.O. BOX 88 TULARE, CA. 93275

Location of agency where filed:

REASON FOR TEST (Explain Fully)

TEST PRODUCT LINE ON 87 OCTANE SYSTEM AFTER LINE REPAIRED

NOTICE: It is the owner's responsibility to contact the environmental health department of any failures within 24 hrs. of the results given to the owner.

WHO REQUESTED TEST AND WHEN?

DIANE LEAL (FRANZEN-HILL) 1-8-91
Name — Date
P.O. BOX 88 TULARE 688-2977
Address — Telephone

ITEM OR SYSTEM TESTED

TANK ONLY ☐
PRODUCT LINE ☑
VENT LINE ☐
VAPOR LINE ☐
ALL OF THE ABOVE ☐

Identify by Direction of owner ID#	Capacity	Brand/Supplier	Grade	Approx. Age (if known)	Steel	Fiberglass
4734-1-1	10000	UNOCAL	UNLEAD	30 YRS	☑	☐
					☐	☐
					☐	☐
					☐	☐
					☐	☐

FILL-UP ARRANGEMENTS

Tanks to be filled _____ hr. N/A Date

Distributor _____ Name

Extra product to "top off" YES NO

OTHER INFORMATION OR REMARKS

DEMAND FROM COUNTY AGENCY TO HAVE WRITTEN PAPERWORK FILED IN HEALTH DEPT BEFORE OPERATOR CAN OPEN FOR BUSINESS. - PROPER PAPERWORK WILL BE SUBMITTED WHEN WORKSHEET IS COMPLETED & ATTACHED TO THIS REPORT

Additional information on any items above. Officials or others to be advised when testing is in progress or completed. Visitors or observers present during test etc

TEST RESULTS

TANKS ☐
PRODUCT LINES ☑
Vapor & Vent Lines Included Yes ☐ No ☐

Tests were made on the above tank systems in accordance with TEL-A-LEAK Detection test procedures prescribed for as detailed on attached field sheets with results as follows:

Tank Identification #	Tight Tank	Tight Lines	Leakrate Indicated Tank	Leakrate Indicated Line(s)	Date Tested
4734-1-1	Yes ☐ No ☐	Yes ☑ No ☐	N/A	NONE	1-8-91
	Yes ☐ No ☐	Yes ☐ No ☐			
	Yes ☐ No ☐	Yes ☐ No ☐			
	Yes ☐ No ☐	Yes ☐ No ☐			
	Yes ☐ No ☐	Yes ☐ No ☐			

CERTIFICATION

1-8-92
Date
CA92-1000

This is to certify that these tank systems were tested on the date(s) shown. Those indicated as "Tight" meet the criteria established by the National Fire Protection Association (Pamphlet 329).

DENNIS E. GOODAN
Operator

[signature]
UNDERGROUND TANK TESTERS, INC./By:Signature

TEL-A-LEAK I™

Complete Systems Certified | Service 24-Hr. & 7 Days a Week | Waste Oil Tanks

UNDERGROUND TANK TESTERS, INC.

917 West Belleview
Porterville, CA 93257
Phone (209) 781-6508
Res. (209) 784-5452

PRODUCT LINE AND LEAK DETECTOR TE T

LOCATION NAME GRAPEVINE UNION, INC.

ADDRESS I-5 AT GRAPEVINE EXIT

CITY LEBEC COUNTY KERN

DATE OF TEST 1-8-92 PRODUCT UNLEAD TANK NUMBER 4734-1-1

SYSTEM TYPE (SUBMERGED) SUCTION PUMP OR DISPENSER NO. N/A

NORMAL WORKING PSI 26 TEST PRESSURE APPLIED 52 PSI.

DOES THE LEAK DETECTOR FUNCTION PROPERLY? (YES) NO EXPLAIN

LINE START	LINE END		+ / -		RESULT	TIME
93	90	=	-3	X..003 =	-009	1955
90	88	+	-2	X..003 =	-006	2005
88	88	=	0	X..003 =	0	2015
88	88	=	0	X..003 =	0	2025
88	88	=	0	X..003 =	0	2035
		=		X..003 =		
		=		X..003 =		

RESULTS OF PRODUCT LINE TEST (PASS) FAIL FINAL RESULTS NONE GPH.

REMARKS PRODUCT LINE TESTED AFTER REPAIRS

TESTING OPERATOR NAME Dennis E. Goodan

LIC NO. CA 92-1000 DENNIS E. GOODAN

ROBERT H. LEE & ASSOCIATES, INC.

ARCHITECTURE PLANNING ENGINEERING

1137 NORTH McDOWELL BOULEVARD • PETALUMA, CALIFORNIA 94954-1469

(707) 765-1660 AN ESOP COMPANY FAX (707) 765-9908

BRIAN F. ZITA
Architect

JOHN W. JOHNSON
Architect

JOHN B. HICKS
Architect

STEVEN J. KATTNER
Architect

CECIL R. SPENCER
Architect

JAMES H. RAY
Civil Engineer

January 22, 1992

Ms. Amy Green
Kern County, Environmental Health Services Department
2700 M Street, Suite 300
Bakersfield, CA 93301

Dear Ms. Greene:

RE: UNDERGROUND STORAGE TANK SURVEY AND MONITORING PLANS

As per your recent conversation with George Hynek, Robert H. Lee & Associates, Inc., I would like clarify the following information:

1. On behalf of Unocal Corporation, Robert H. Lee & Associates, Inc. will submit Underground Storage Tank Monitoring & Response Plans for the attached list of Unocal locations.

2. These submissions will be due by February 28, 1992.

3. Unocal Corporation will submit the annual pipeline pressure tests, for those stations which require such tests, by February 28, 1992.

Please address any future correspondence or invoices for the attached list of stations to: Mr. Jim Scott, Unocal Corporation, 911 Wilshire Blvd., Suite 1010, Los Angeles, CA 90017.

Please sign and return the Acknowledgement of Receipt below. If you have any questions, please do not hesitate to contact me.

Sincerely,

ROBERT H. LEE & ASSOCIATES, INC.

Marion K. Miller

Marion K. Miller
Project Manager

cc: Mr. Jim Scott, Unocal

ACKNOWLEDGEMENT

Signature/Date

Preferred Submission Date

1247 590010
Bob Cailler
15764 Sierra Highway
Mojave
CA 93501

3596 540017
Eddie Ayyous
401 N. China Lake Boulevard
Ridgecrest
CA 93555

1609 090
Thomas A NAVARRETTE, Jr
3000 NILES ST at Glenn
BAKERSFIELD CA 93306

4311 590009
Beecher C. Aller
16451 Sierra Hwy.
Mojave
CA 93501

4669 480003
John M. Roth
1606 Ellington Street
Delano
CA 93215

1734 330097
R.J. Rose/L.W. Perry
Highway 99 & Grapevine
Lebec
CA 93243

5334 310023
Gerald W. Horton
2700 Panama Lane
Bakersfield
CA 93313

5895 460021
Lewis M. Force
Highway 46 & Interstate 5
Lost Hills
CA 93249

1225 230032
Sterling Swartout
7900 Weedpatch Hwy. Rt.
Bakersfield
CA 93306

~~BR0428~~
J. C. Stanley
Valpredo/Hwy 99-Bakersfield
Mettler
CA 93381

To: Amy GREEN

RE: Unocal stations in Kern County

From: STEVE Skanderson- Robert H. Lee & Assoc
Fax 707-765-9908
Phone 707 765-1660

PAGE: 1 OF 1

TANK GAUGE CHART

Kaiser Steel Corporation — Fabricating Division

NAPA, CALIFORNIA

JAN - 9 1992

Sire of Tank 45½" I. D. x 40" Long

Capacity 281 Gallons

Tabulated in ¼" Increments

Strapped by Kaiser Steel Corporation

In.	0 Ft.	1 Ft.	2 Ft.	3 Ft.
0		59	149	237
¼		60	151	239
½		62	153	240
¾	1	64	155	242
1	1	66	157	244
¼	2	68	159	245
½	2	69	161	246
¾	3	71	163	248
2	4	73	165	249
¼	5	75	167	251
½	6	76	169	252
¾	7	78	171	254
3	8	80	172	255
¼	9	82	174	256
½	10	84	176	258
¾	11	86	178	259
4	12	88	180	260
¼	13	90	182	262
½	14	91	184	263
¾	15	93	186	264
5	16	95	188	265
¼	18	97	190	266
½	19	99	192	268
¾	20	101	194	269
6	22	103	195	270
¼	23	105	197	271
½	24	106	199	272
¾	26	108	201	273
7	27	110	203	274
¼	28	112	204	274
½	30	114	206	275
¾	32	116	208	276
8	33	118	210	277
¼	34	120	212	278
½	36	122	214	279
¾	38	124	215	280
9	39	126	217	281
¼	40	128	219	281
½	42	130	220	281
¾	44	132	222	
10	45	134	224	
¼	47	136	226	
½	49	138	227	
¾	50	140	229	
11	52	142	231	
¼	54	144	232	
½	55	146	234	
¾	57	147	236	

GeoResearch

1713 Tulare, Suite 113
Fresno, California 93721
(209) 264-0444
(800) 523-4786

JAN 27 1992

January 24, 1992

Mr. Chris Finberg
County of Kern
Hazardous Materials Specialist
Resource Management Agency
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301

RE: Laboratory results for soil collected at the Unocal Service Station located at 9068 West Grapevine Road, Lebec, California. GeoResearch Project No. 92075

Dear Mr. Finberg,

Per your request of January 8, 1992, enclosed are the laboratory results for soil collected at the above-referenced address. As you will recall, a product line was severed while cutting through the concrete. The soil sample was collected 6 feet below ground surface immediately adjacent to the cut product line.

If you have any questions or we can be of further assistance, please contact me at (209) 264-0444.

Sincerely,

Laurie Kochian for

Blair Redfearn
Staff Geologist

enclosure

cc: Bob Boust, Unocal

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (213) 498-9515 (800) 624-5744

92075

LABORATORY REPORT WG

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED : 01/08/92
DATE RECEIVED: 01/08/92
DATE ANALYZED: 01/08/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-16
ANALYSES: BTEX

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF ORGANIC AROMATICS BY EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
SB 5-6	ND	ND	ND	ND

ND - Not detected below indicated limit of detection.

Analyst: AM

Reviewed and Approved: [signature]
Report date: 1/14/92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

DUPLICATE

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (213) 498-[illegible] (800) 624-5744

RECEIVED
GEO RESEARCH
JAN 22 1992
PROJECT # 92075
WG

LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED :	01/08/92
DATE RECEIVED:	01/08/92
DATE ANALYZED:	01/08/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-16
ANALYSES:	TPH-G

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
SB 5-6	ND	1.0

ND - Not detected below indicated limit of detection.

Analyst: AM

Reviewed and Approved: [signature]
Report date: 1/14/92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
3960 Gilman Street
Long Beach, CA. 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST PROJECT NO: 92400-16
DATE 1/8/92 PAGE 1 OF 1

PROJECT NAME UNOCAL 4734
ADDRESS 9668 Grape Vine Lebec CA
SAMPLER'S SIGNATURE Blair Redfearn
PRINTED NAME BLAIR REDFEARN
CLIENT PROJECT NO. 92025
PROJECT MANAGER WARREN GROSS

SAMPLE NO.	DATE	TIME	LOCATION	METHODS: TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS					MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SB5-6	1/8/92	9:35	soil boring #5 - 6' bgs west end of GAS TANKS	X		X							S	BRASS	1	

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE: Blair Redfearn	1/8/92	SIGNATURE		SIGNATURE	
PRINTED NAME: BLAIR REDFEARN	TIME: 1800	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY: Geo Research		COMPANY		COMPANY	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE: Allen Motakef	1/8/92	SIGNATURE		SIGNATURE: Gloria Rojo	1/3/92
PRINTED NAME: ALLEN MOTAKEF	TIME: 18:00	PRINTED NAME	TIME	PRINTED NAME: Geotest	TIME: 12:30 p.m.
COMPANY: GEOTEST		COMPANY		COMPANY	

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS

GeoResearch

330097

1713 Tulare, Suite 113
Fresno, California 93721
(209) 264-0444
(800) 523-4786

January 10, 1992

Mr. Chris Finberg
Kern County Environmental Health Services
2700 "M" Street, Suite 300
Bakersfield, CA 93301

RE: Unocal Service Station #4734, 9068 W. Grapevine Road, Lebec, California. GeoResearch Project No. 92075

Dear Mr. Finberg,

Enclosed please find the Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report for the above-referenced site submitted on behalf of Unocal Corporation. If you have any questions please contact me at (209) 264-0444.

Sincerely,

Laurie Kochian

Laurie Kochian
Technical Assisstant

enclosure

cc: Bob Boust, Unocal

RECEIVED
JAN 13 1992

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY ☐ YES ☒ NO

HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☒ YES ☐ NO

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.
SIGNED [signature] DATE 1/13/92

REPORT DATE 01 10 92 | CASE # 21241

REPORTED BY
NAME OF INDIVIDUAL FILING REPORT: Blair Redfearn | PHONE: (209) 264-0444 | SIGNATURE: Joanne Kachian for Blair Redfearn
REPRESENTING ☐ OWNER/OPERATOR ☐ REGIONAL BOARD ☐ LOCAL AGENCY ☒ OTHER Enviro. Consult. | COMPANY OR AGENCY NAME: GeoResearch
ADDRESS: 1713 Tulare, Suite 113 (STREET) | Fresno (CITY) | CA (STATE) | 93721 (ZIP)

RESPONSIBLE PARTY
NAME: Unocal Corporation ☐ UNKNOWN | CONTACT PERSON: Bob Boust | PHONE: (510) 277-2334
ADDRESS: 2000 Crow Canyon Place, Suite 400 (STREET) | San Ramon (CITY) | CA (STATE) | 94583 (ZIP)

SITE LOCATION
FACILITY NAME (IF APPLICABLE): Unocal #4734 | OPERATOR: R.J. Rose | PHONE: (805) 327-2903
ADDRESS: 9068 W. Grapevine Road (STREET) | Lebec (CITY) | Kern (COUNTY) | ZIP
CROSS STREET: Interstate 5

IMPLEMENTING AGENCIES
LOCAL AGENCY / AGENCY NAME: Kern Cnty Environ. Health Service | CONTACT PERSON: Chris Finberg | PHONE: (805) 861-3636
REGIONAL BOARD: CVRQCB | — | PHONE: (209) 445-5116

SUBSTANCES INVOLVED
(1) NAME: Unleaded Gasoline | QUANTITY LOST (GALLONS): 18 ☐ UNKNOWN
(2) ☐ UNKNOWN

DISCOVERY/ABATEMENT
DATE DISCOVERED: 01 10 92 | HOW DISCOVERED: ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☐ TANK TEST ☐ TANK REMOVAL ☒ OTHER cut line
DATE DISCHARGE BEGAN: 01 10 92 ☐ UNKNOWN
HAS DISCHARGE BEEN STOPPED? ☒ YES ☐ NO IF YES, DATE 01 10 92
METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY): ☐ REMOVE CONTENTS ☐ CLOSE TANK & REMOVE ☐ REPAIR PIPING ☐ REPAIR TANK ☐ CLOSE TANK & FILL IN PLACE ☐ CHANGE PROCEDURE ☐ REPLACE TANK ☒ OTHER turn off power to pumps

SOURCE/CAUSE
SOURCE OF DISCHARGE: ☐ TANK LEAK ☐ UNKNOWN ☒ PIPING LEAK ☐ OTHER
CAUSE(S): ☐ OVERFILL ☐ RUPTURE/FAILURE ☐ SPILL ☐ CORROSION ☐ UNKNOWN ☒ OTHER cut

CASE TYPE
CHECK ONE ONLY: ☐ UNDETERMINED ☒ SOIL ONLY ☐ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS
CHECK ONE ONLY: ☐ NO ACTION TAKEN ☐ LEAK BEING CONFIRMED ☐ REMEDIATION PLAN ☐ PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED ☒ PRELIMINARY SITE ASSESSMENT UNDERWAY ☐ CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) ☐ POLLUTION CHARACTERIZATION ☐ POST CLEANUP MONITORING IN PROGRESS ☐ CLEANUP UNDERWAY

REMEDIAL ACTION
CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS): ☐ CAP SITE (CD) ☐ CONTAINMENT BARRIER (CB) ☐ VACUUM EXTRACT (VE) ☒ EXCAVATE & DISPOSE (ED) ☐ EXCAVATE & TREAT (ET) ☐ NO ACTION REQUIRED (NA) ☐ OTHER (OT) ☐ REMOVE FREE PRODUCT (FP) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ TREATMENT AT HOOKUP (HU) ☐ ENHANCED BIO DEGRADATION (IT) ☐ REPLACE SUPPLY (RS) ☐ VENT SOIL (VS)

COMMENTS

HSC 05 (8/90)

INSTRUCTIONS

EMERGENCY
Indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES) at 2800 Meadowview Road, Sacramento, CA 95832. Copies of the OES report form may be obtained at your local underground storage tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.

LOCAL AGENCY ONLY
To avoid duplicate notification pursuant to Health and Safety code Section 25180.5, a government employee should sign and date the form in this block. A signature here does not mean that the leak has been determined to pose a significant threat to human health or safety, only that notification procedures have been followed if required.

REPORTED BY
Enter your name, telephone number, and address. Indicate which party you represent and provide company or agency name.

RESPONSIBLE PARTY
Enter name, telephone number, contact person, and address of the party responsible for the leak. The responsible party would normally be the tank owner.

SITE LOCATION
Enter information regarding the tank facility. At a minimum, you must provide the facility name and full address.

IMPLEMENTING AGENCIES
Enter names of the local agency and Regional Water Quality Control Board involved.

SUBSTANCES INVOLVED
Enter the name and quantity lost of the hazardous substance involved. Room is provided for information on two substances if appropriate. If more than two substances leaked, list the two of most concern for cleanup.

DISCOVERY/ABATEMENT
Provide information regarding the discovery and abatement of the leak.

SOURCE/CAUSE
Indicate source(s) of leak. Check box(es) indicating cause of leak.

CASE TYPE
Indicate the case type category for this leak. Check one box only. Case type is based on the most sensitive resource affected. For example, if both soil and ground water have been affected, case type will be "Ground Water". Indicate "Drinking Water" only if one or more municipal or domestic water wells have actually been affected. A "Ground Water" designation does not imply that the affected water cannot be, or is not, used for drinking water, but only that water wells have not yet been affected. It is understood that case type may change upon further investigation.

CURRENT STATUS
Indicate the category which best describes the current status of the case. Check one box only. The response should be relative to the case type. For example, if case type is "Ground Water", then "Current Status" should refer to the status of the ground water investigation or cleanup, as opposed to that of soil. Descriptions of options follow:

No Action Taken - No action has been taken by responsible party beyond initial report of leak.
Leak Being Confirmed - Leak suspected at site, but has not been confirmed.
Preliminary Site Assessment Workplan Submitted - workplan/proposal requested of/submitted by responsible party to determine whether ground water has been, or will be, impacted as a result of the release.
Preliminary Site Assessment Underway - implementation of workplan.
Pollution Characterization - responsible party is in the process of fully defining the extent of contamination in soil and ground water and assessing impacts on surface and/or ground water.
Remediation Plan - remediation plan submitted evaluating long term remediation options. Proposal and implementation schedule for appropriate remediation options also submitted.
Cleanup Underway - implementation of remediation plan.
Post Cleanup Monitoring in Progress - periodic ground water or other monitoring at site, as necessary, to verify and/or evaluate effectiveness of remedial activities.
Case Closed - regional board and local agency in concurrence that no further work is necessary at the site.

IMPORTANT: THE INFORMATION PROVIDED ON THIS FORM IS INTENDED FOR GENERAL STATISTICAL PURPOSES ONLY AND IS NOT TO BE CONSTRUED AS REPRESENTING THE OFFICIAL POSITION OF ANY GOVERNMENTAL AGENCY

REMEDIAL ACTION
Indicate which action have been used to cleanup or remediate the leak. Descriptions of options follow:

Cap Site - install horizontal impermeable layer to reduce rainfall infiltration.
Containment Barrier - install vertical dike to block horizontal movement of contaminant.
Excavate and Dispose - remove contaminated soil and dispose in approved site.
Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming).
Remove Free Product - remove floating product from water table.
Pump and Treat Groundwater - generally employed to remove dissolved contaminants.
Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants.
Replace Supply - provide alternative water supply to affected parties.
Treatment at Hookup - install water treatment devices at each dwelling or other place of use.
Vacuum Extract - use pumps or blowers to draw air through soil.
Vent Soil - bore holes in soil to allow volatilization of contaminants.
No Action Required - incident is minor, requiring no remedial action.

COMMENTS - Use this space to elaborate on any aspects of the incident.

SIGNATURE - Sign the form in the space provided.

DISTRIBUTION
If the form is completed by the tank owner or his agent, retain the last copy and forward the remaining copies intact to your local tank permitting agency for distribution.

1. Original - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Clean Water Programs, Underground Storage Tank Program, P.O. Box 944212, Sacramento, CA 94244-2120
3. Regional Water Quality Control Board
4. Local Health Officer and County Board of Supervisors or their designee to receive Proposition 65 notifications.
5. Owner/responsible party.

TEL-A-LEAK I™

TANK CERTIFICATION REPORT

UNDERGROUND TANK TESTERS, INC.
317 W. Belleview • Porterville, Ca 93257
Phone (209) 781-6608

OWNER'S NAME — Property ☑ Tank(s) ☑

UNOCAL
Name
2000 CROW CANYON PL 400 SAN RAMON 94583
Address City Zip Telephone

NAME OF LOCATION

GRAPEVINE UNION, INC. 805-327-290
Name Telephone
I-5 AT GRAPEVINE EXIT LEBEC 93243 KERN
Address City Zip County

RECORD OF FILING

NOTICE TO OWNER: A copy of all test results have been filed with the proper regulatory agency governing underground storage systems. Yes ☐ No ☑ If not filed, see explanation below:

REPORT GIVEN TO STATION OPERATOR & FRANZEN-HILL
P.O. Box 88 TULARE, CA. 93275

Location of agency where filed:

REASON FOR TEST (Explain Fully)

TEST PRODUCT LINE ON 87 OCTANE SYSTEM AFTER LINE REPAIRED

NOTICE: It is the owner's responsibility to contact the environmental health department of any failures within 24 hrs. of the results given to the owner.

WHO REQUESTED TEST AND WHEN?

DIANE LEAL (FRANZEN-HILL 1-8-91
Name Date
P.O. Box 88 TULARE 688-2922
Address Telephone

ITEM OR SYSTEM TESTED

TANK ONLY ☐
PRODUCT LINE ☑
VENT LINE ☐
VAPOR LINE ☐
ALL OF THE ABOVE ☐

Identify by Direction of owner ID#	Capacity	Brand/Supplier	Grade	Approx. Age (if known)	Steel ☑	Fiberglass ☐
4734-1-1	10000	UNOCAL	UNLEAD	30 YRS	☑	☐
					☐	☐
					☐	☐
					☐	☐
					☐	☐

FILL-UP ARRANGEMENTS

Tanks to be filled ____ Nr. N/A Date
Distributor ____ Name
Extra product to "top off" YES NO

OTHER INFORMATION OR REMARKS

DEMAND FROM COUNTY AGENCY TO HAVE WRITTEN PAPERWORK FILED IN HEALTH DEPT BEFORE OPERATION CAN OPEN FOR BUSINESS - PROPER PAPERWORK WILL BE SUBMITTED WHEN INVESTIGATION IS COMPLETED ATTACHED TO THIS REPORT

Additional information on any items above. Officials or others to be advised when testing is in progress or completed. Visitors or observers present during test etc.

TEST RESULTS

TANKS ☐
PRODUCT LINES ☑
Vapor & Vent Lines Included Yes ☐ No ☐

Tests were made on the above tank systems in accordance with TEL-A-LEAK Detection test procedures prescribed for as detailed on attached field sheets with results as follows:

Tank Identification #	Tight Tank	Tight Lines	Leakage Indicated Tank	Leakage Indicated Line(s)	Date Tested
4734-1-1	Yes ☐ No ☐	Yes ☑ No ☐	N/A	NONE	1-8-91
	Yes ☐ No ☐	Yes ☐ No ☐			
	Yes ☐ No ☐	Yes ☐ No ☐			
	Yes ☐ No ☐	Yes ☐ No ☐			
	Yes ☐ No ☐	Yes ☐ No ☐			

CERTIFICATION

1-8-91
Date
CA92-1000

This is to certify that these tank systems were tested on the date(s) shown. Those indicated as "Tight" meet the criteria established by the National Fire Protection Association (Pamphlet 329).

DENNIS E. GOODAN
Operator

UNDERGROUND TANK TESTERS, INC. /By: Signature

TEL-A-LEAK I™

Complete Systems Certified

Service 24-Hr. & 7 Days a Week

Waste Oil Tanks

UNDERGROUND TANK TESTERS, INC.

917 West Belleview
Porterville, CA 93257
Phone (209) 781-6508
Res. (209) 784-5452

PRODUCT LINE AND LEAK DETECTOR TEST

LOCATION NAME GRAPEVINE UNION, INC.

ADDRESS I-5 AT GRAPEVINE EXIT

CITY LEBEC COUNTY KERN

DATE OF TEST 1-8-92 PRODUCT UNLEAD TANK NUMBER 4734-1-1

SYSTEM TYPE (SUBMERGED) SUCTION PUMP OR DISPENSER NO. N/A

NORMAL WORKING PSI 26 TEST PRESSURE APPLIED 52 PSI.

DOES THE LEAK DETECTOR FUNCTION PROPERLY? (YES) NO EXPLAIN

LINE START	LINE END		+ / -			RESULT	TIME
93	90	=	-3	X..003	=	-009	1955
90	88	=	-2	X..003	=	-006	2005
88	88	=	0	X..003	=	0	2015
88	88	=	0	X..003	=	0	2025
88	88	=	0	X..003	=	0	2035
		=		X..003	=		
		=		X..003	=		

RESULTS OF PRODUCT LINE TEST PASS FAIL FINAL RESULTS NONE GPH.

REMARKS PRODUCT LINE TESTED AFTER REPAIRS

TESTING OPERATOR NAME Dennis E. Goodan

DENNIS E. GOODAN

LIC NO. CA 92-1000

P.S. Leak Detector was Checked per Red Jacket spec. IT passed, Also Lines were covered.

KERN COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
HAZARDOUS SUBSTANCES SECTION

1700 FLOWER STREET
BAKERSFIELD, CA 93305
PHONE (805) 861-3636

INSPECTION RECORD

POST CARD AT JOBSITE

FACILITY Unocal PERMIT # 330097	OWNER Unocal
ADDRESS Interstate 5/Grapevine	ADDRESS P.O. Box 5165
CITY Lebec, Ca.	CITY San Ramon, Ca. 94583
PHONE NO.	(415) 277-2337

INSTRUCTIONS: Please call for an inspector only when each group of inspections with the same number are ready. They will run in consecutive order beginning with number 1. DO NOT cover work for any numbered group until all items in that group are signed off by the Permitting Authority. Following these instrutions will reduce the number of required inspection visits and therefore prevent assessment of additional fees.

- TANKS & BACKFILL -

	INSPECTION	DATE	INSPECTOR
	Backfill of Tank(s)		
	Spark Test Certification		
	Cathodic Protection of Tank(s)		
X	Inspection of Exposed Piping (Sanded Ends), A.D. Smith	1/8/92	[signature]

- PIPING SYSTEM -

	Piping & Raceway w/Collection Sump		
	Corrosion Protection of Piping, Joints, Fill Pipe		
	Electrical Isolation of Piping From Tank(s)		
	Cathodic Protection System-Piping		
X	Witnessing of Sample Retrieval	1/8/92 Geo Test	[signature]

- SECONDARY CONTAINMENT, OVERFILL PROTECTION, LEAK DETECTION -

	Liner Installation - Tank(s)		
	Liner Installation - Piping		
	Vault With Product Compatible Sealer		
	Level Gauges or Sensors, Float Vent Valves		
	Product Compatible Fill Box(es)		
	Product Line Leak Detector(s)		
	Leak Detector(s) for Annular Space-D.W. Tank(s)		
	Monitoring Well(s)/Sump(s)		
	Leak Detection Device(s) For Vadose/Groundwater		
X	Witnessing of Integrity Test on Repaired Line	1/9/92	Test witnessed while in progress Report faxed to office [signature]

- FINAL -

	Monitoring Wells, Caps & Locks		
	Fill Box Lock		
	Monitoring Requirements		

CONTRACTOR All American Trench Co. LICENSE # 319642- A-HAZ
CONTACT Steve PH # (209) 299-7229

RESOURCE MANAGEMENT AGENCY

RANDALL L. ABBOTT
DIRECTOR

DAVID PRICE III
ASSISTANT DIRECTOR

Environmental Health Services Department
STEVE McCALLEY, REHS, DIRECTOR

Air Pollution Control District
WILLIAM J. RODDY, APCO

Planning & Development Services Department
TED JAMES, AICP, DIRECTOR

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

PERMIT TO CONSTRUCT UNDERGROUND STORAGE FACILITY

PERMIT NUMBER 330097

FACILITY
Unocal
Interstate 5/Grapevine
Lebec, CA 93243

OWNER(S) NAME/ADDRESS:
Unocal
P. O. Box 5165
San Ramon, CA 94583

Phone No. (415) 277-2337

CONTRACTOR:
All American Trench Company
1501 Tollhouse #3
Clovis, CA 93612
License # 319642 A-HAZ
Phone No. (209) 299-7229

___ NEW BUSINESS
___ CHANGE OWNERSHIP
___ RENEWAL
_X_ MODIFICATION
___ OTHER

PERMIT EXPIRES April 7, 1992

APPROVAL DATE January 7, 1992

APPROVED BY for Chris Finberg
Hazardous Materials Specialist

POST ON PREMISES

CONDITIONS AS FOLLOW:

Standard Instructions

1. This permit applies only to the modification of an existing facility involving the removal of approximately 2 feet of damaged piping associated with the unleaded fuel tank and the replacement of that section with new piping.
2. All construction to be as per facility plans approved by this department and verified by inspection by Permitting Authority.
3. All equipment and materials in this construction must be installed in accordance with all manufacturers' specifications.
4. Permittee must contact Permitting Authority for on-site inspection(s) with 48-hour advance notice.
5. Backfill material for piping and tanks to be as per manufacturers' specifications.
6. Construction inspection record card is included with permit given to Permittee. This card must be posted at job site prior to initial inspection. Permittee must contact Permitting Authority and arrange for each group of required inspections numbered as per instructions on card. Generally, inspections will be made of:
   a. Sanded ends of fiberglass piping before joining with new pipe section
   b. Sample retrieval
   c. Testing of the repaired pipe run
   d. Any other inspection deemed necessary by Permitting Authority.
7. The new piping shall be joined to existing pipe utilizing manufacturer-approved techniques, and the resulting repair shall be encased in cement in the same manner as existing pipe.

8. Primary and secondary containment of both tank(s) and underground piping must not be subject to physical or chemical deterioration due to the substance(s) stored in them. Documentation from tank, piping, and seal manufacturers of compatibility with these substance(s) must be submitted to Permitting Authority prior to construction.
9. Purging/Inerting Conditions:
   a. Liquid shall be pumped from tank prior to purging such that less than 8 gallons of liquid remain in tank (CSH&SC 41700).
   b. Tank shall be purged through vent pipe discharging at least 10 feet above ground level (CSH&SC 41700).
   c. No emissions shall result in odors detectable at or beyond property line (Rule 419).
   d. Vent lines shall remain attached to tank until the inspector arrives to authorize removal.
10. Samples are to be retrieved 6 feet beneath the damaged pipe run, while a representative from the Kern County Environmental Health Services is on site to witness sample retrieval.
11. Samples must be analyzed for Benzene, Toluene, Xylene and TPH (gasoline) and results must be submitted to the Kern County Environmental Health Services Department within 14 days of analysis completion.
12. After repair, the pipe run must be tested utilizing a petrotite integrity test before it can be utilized to dispense fuel.

ACCEPTED BY: Gary Cummings DATE: 1-7-92

CF:cas

\330097.ptc

KERN COUNTY HEALTH DEPARTMENT ENVIROMENTAL HEALTH REPORT (805) 861-3636

2700 'M' STREET, BAKERSFIELD, CALIFORNIA 93301

RECOMMENDATIONS AND CORRECTIONS FORM

Name (D.B.A.) Union Oil Co. SS#4734 Date 1/6/92

Address Hwy 99 + Grapevine E.H. Specialist: Chris Finberg

Site Inspection @ 4:00 pm 1/6/92
based on notification from Unocal

At site it was discovered that a single wall pipeline containg motor vehicle fuel was saw cut accidently during soil boring operations. All product pipelines were shut down & remain closed until piping can be repaired.

This department recommends that the pipeline be repaired. ~~contact~~ ~~permit~~ All repairs to motor vehicle fuel pipelines must be completed under permit from Kern County Environmental Health Services Department. Until repairs can be performed the area must be properly secured.

C. Finberg
Dan Gray

Franzen-Hill

System Design, Construction & Maintenance

TELEFAX COVER SHEET

Date: 1-7-92 Time: _____

Send To: Kern County

Attention: Amy Green

Fax To #: 805-861-3429

Subject: _____

Comments: Geo Test will be retrieving the soil for a sample & then testing it at their lab

ORIGINAL DOCUMENT:
- ✓ WILL NOT FOLLOW
- ___ TO FOLLOW VIA REGULAR MAIL
- ___ TO FOLLOW VIA EXPRESS DELIVERY SERVICE
- ___ OTHER - _____

FROM: Diane | Franzen Hill

NUMBER OF PAGES INCLUDING THIS COVER PAGE: _____

CORPORATE OFFICE: Post Office Box 88, Tulare, California 93275

TELEFAX NUMBERS: General Office and Parts (209) 688-1467
Service Information (209) 688-7996

FAXCVR.SHT

ENVIRONMENTAL HEALTH DEPARTMENT
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301

RECEIVED [redacted]

PERMIT NO. _____
APN NUMBER _____
APPLICATION DATE _____

APPLICATION FOR PERMIT TO CONSTRUCT/MODIFY
UNDERGROUND HAZARDOUS SUBSTANCES STORAGE FACILITY

Type Of Application (check):
( )New Facility (X)Modification of Facility ( )New Tank Installation at Existing Facility

A. Number of Tanks To Be Installed _____ Existing Facility Permit # _____
Type of Business Gas Station
Facility Name UNOCAL
Address Interstate 5 / Grapevine City Lebec
T_____ R_____ SEC_____ (Rural Locations Only) Nearest Cross Street _____

B. Tank Owner UNOCAL Phone #: 415-277-2339
Address P.O. Box 5155 City/State SAN Ramon Co. Zip 94583

C. Water To Facility Provided By Tejon LAND CO
Depth To Groundwater _____ Soil Characteristics At Facility _____

D. Contractor All American Trucy Co. CA Contractor's License No. 319642 A-HAZ
Address 1501 Tollhouse #3 City Clovis Zip 93612 Phone #(209)299-7229
Worker's Compensation Certification # WP 4164276 Insurer Fremont Ins. Co.
Proposed Starting Date 01-07-92 Proposed Completion Date 01-10-92

E. If This Application Is For Modification Of An Existing Tank System, Briefly Describe Modifications Proposed (Excluding New Tank Installation at Existing Facilities)
PG&E cut into product Line & we need To Repair it

F. Tank(s) Storage (Check All That Apply): (If* - Complete Section G)

Tank #	Unleaded	Regular	Premium	Diesel	Other Fuel*	Waste Oil	Other* Waste	Other* Product
Main Line	(✓)	( )	( )	( )	( )	( )	( )	( )
_____	( )	( )	( )	( )	( )	( )	( )	( )
_____	( )	( )	( )	( )	( )	( )	( )	( )
_____	( )	( )	( )	( )	( )	( )	( )	( )

G. Chemical Composition Of Materials Stored (For Products Or Waste Marked With *)

Tank #	Chemical Stored (non-commercial name)	CAS # (if known)	Chemical Previously Stored (if different)
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

This form has been completed under penalty of perjury and to the best of my knowledge is true and correct.

Signature Steve Colder Title GENERAL MANAGER Date 1-6-92

HM23

Consumer Affairs

State of California
Department of Consumer Affairs
CONTRACTORS STATE LICENSE BOARD

License Number
319642

Entity
INDIV

Name/Namestyle
ALL AMERICA TRENCHING

Classification(s)
A HAZ

Expiration Date
10/31/92

Franzen & Hill - Peteo tite line test

Franzen-Hill

System Design, Construction & Maintenance

TELEFAX COVER SHEET

Date: 1-6-92 Time: 2:20 PM

Send To: Kern Co.

Attention: Amy Green

Fax To #: 805-861-3429

Subject: U/O 4734

Emergency

Comments:

Thank You!

ORIGINAL DOCUMENT:
- ___ WILL NOT FOLLOW
- ___ TO FOLLOW VIA REGULAR MAIL
- ___ TO FOLLOW VIA EXPRESS DELIVERY SERVICE
- ✓ OTHER - Hand Delivered

FROM: Dave / Franzen Hill

NUMBER OF PAGES INCLUDING THIS COVER PAGE: 3

CORPORATE OFFICE: Post Office Box 88, Tulare, California 93275

TELEFAX NUMBERS: General Office and Parts (209) 688-1467
Service Information (209) 688-7996

FAXCVR.SHT

ENVIRONMENTAL HEALTH DEPARTMENT
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301

PERMIT NO. _____
APN NUMBER _____
APPLICATION DATE _____

APPLICATION FOR PERMIT TO CONSTRUCT/MODIFY UNDERGROUND HAZARDOUS SUBSTANCES STORAGE FACILITY

Type Of Application (check):
( )New Facility (X)Modification of Facility ( )New Tank Installation at Existing Facility

A. Number of Tanks To Be Installed _____ Existing Facility Permit # _____
Type of Business Gas Station
Facility Name Unocal
Address Interstate 5 / Grapevine City Lebec
T _____ R _____ SEC _____ (Rural Locations Only) Nearest Cross Street _____

B. Tank Owner Unocal Phone #: 415-277-2337
Address P.O. Box 5155 City/State San Ramon, CA Zip 94583

C. Water To Facility Provided By _____
Depth To Groundwater _____ Soil Characteristics At Facility _____

D. Contractor Franzen Hill CA Contractor's License No. 304147-A
Address 1100 N. "J" St City Tulare Zip 93274 Phone # 209-688-25
Worker's Compensation Certification # 179-7515-2 Insurer Bbyne Heart Ins.
Proposed Starting Date 1-6-92 Proposed Completion Date 1-7-92

E. If This Application Is For Modification Of An Existing Tank System, Briefly Describe Modifications Proposed (Excluding New Tank Installation at Existing Facilities)
PG&E cut into product line & we need to repair it.

F. Tank(s) Storage (Check All That Apply): (If* - Complete Section G)

Tank #	Unleaded	Regular	Premium	Diesel	Other Fuel*	Waste Oil	Other* Waste	Other* Product
Main Line	(✓)	( )	( )	( )	( )	( )	( )	( )
_____	( )	( )	( )	( )	( )	( )	( )	( )
_____	( )	( )	( )	( )	( )	( )	( )	( )
_____	( )	( )	( )	( )	( )	( )	( )	( )

G. Chemical Composition Of Materials Stored (For Products Or Waste Marked With *)

Tank #	Chemical Stored (non-commercial name)	CAS # (if known)	Chemical Previously Stored (if different)
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

This form has been completed under penalty of perjury and to the best of my knowledge is true and correct.
Signature Diane Leal Title Service Office Manager Date 1-6-92

Permit # _____

TANK INFORMATION FORM

(FILL OUT SEPARATE FORM FOR EACH TANK)

FOR EACH SECTION, CHECK ALL APPROPRIATE BOXES

Contents _____ Tank # ____

H. 1. Tank is: ( ) Vaulted ( ) Jacketed ( ) Double-Wall ( ) Single-Wall

2. Tank Material
( ) Carbon Steel ( ) Stainless Steel ( ) Fiberglass-Reinforced Plastic ( ) Fiberglass-Clad Ste
( ) Concrete ( ) Unknown ( ) Other (Describe) _____

3. Primary Containment
Date Installed _____ Thickness (inches) _____ Capacity (Gallons) _____ Manufacturer _____

4. Tank Secondary Containment
( ) Double-Wall ( ) Synthetic Liner ( ) Lined Vault ( ) None ( ) Unknown
( ) Other (describe): _____ Manufacturer: _____
( ) Material _____ Thickness (inches) _____ Capacity (Gallons) _____

5. Tank Interior Lining
( ) Unlined ( ) Unknown ( ) Lined (describe) _____

6. Tank Corrosion Protection
( ) Galvanized ( ) Fiberglass-Clad ( ) Polyethylene/Vinyl (Wrapped or Jacketed)
( ) Tar or Asphalt ( ) Unknown ( ) None ( ) Other (describe): _____
Cathodic Protection: ( ) None ( ) Impressed Current System ( ) Sacrificial Anode System
Describe System and Equipment: _____

7. Leak Detection, Monitoring, and Interception * (Must be described below)
a. Tank: ( ) Vapor Detector * ( ) Liquid Level Sensor * ( ) Conductivity Sensor *
( ) Vadose Zone Monitoring Well(s)
( ) U-Tube with Liner ( ) U-Tube without Liner
( ) Visual Inspection (Vaulted tanks only) ( ) Groundwater Monitoring
( ) Sensor in Annular Space ( ) Vapor ( ) Liquid ( ) Pressure ( ) Other *
( ) Regular Monitoring of U-Tube, Monitoring Well or Annular Space
( ) Daily Gauging & Inventory Reconciliation ( ) Periodic Tightness Testing
( ) None ( ) Unknown ( ) Other _____
*Describe Make & Model: _____

b. Piping: ( ) Flow-Restricting Leak Detector(s) for Pressurized Piping* ( ) Sealed Concrete Raceway
( ) Monitoring Sump with Raceway ( ) Complete Containment Liner with Sumps
( ) Half-Cut Compatible Pipe Raceway ( ) Synthetic Liner Raceway ( ) None
( ) Unknown ( ) Other _____
*Describe Make & Model: _____

8. Tank Tightness
Has This Tank Been Tightness Tested? ( ) Yes ( ) No ( ) Unknown
Date of Last Tightness Test _____ Results of Test _____
Test Name _____ Testing Company _____

9. Tank Repair ( ) Yes ( ) No ( ) Unknown
Date(s) of Repair(s) _____
Describe Repairs _____

10. Overfill Protection (Must describe below)
( ) Operator Fills, Controls, & Visually Monitors Level
( ) Tape Float Gauge ( ) Float Vent Valves ( ) Auto Shut-Off Controls
( ) Capacitance Sensor ( ) Sealed Fill Box ( ) None ( ) Unknown ( ) Other *
( ) List Make & Model for all Devices _____
*Describe other Protection System _____

11. Piping
a. Underground Piping: (✓) Yes ( ) No ( ) Unknown Material _____
Thickness (inches) .070 Diameter 02.375 ID 2.285 Manufacturer Smith
b. Type of piping System
(✓) Pressure ( ) Suction ( ) Gravity Approximate Length of this Pipe Run _____
c. Underground Piping Corrosion Protection:
( ) Galvanized (✓) Fiberglass-Clad ( ) Impressed Current ( ) Sacrificial Anode
( ) Polyethylene Wrap ( ) Electrical Isolation ( ) Vinyl Wrap ( ) Tar or Asphalt
( ) Unknown ( ) None ( ) Other (describe): _____
d. Underground Piping, Secondary Containment:
(✓) Double-Wall ( ) Synthetic Liner System ( ) None ( ) Unknown
( ) Make & Model (describe): _____

HM31

PERMIT CHECKLIST

Facility: 330097C
UNION OIL SS# 4734
HWY. 99 & GRAPEVINE
LEBEC, CA

This checklist is provided to ensure that all necessary packet enclosures were received and that the permittee has obtained all necessary equipment to implement monitoring requirements described within the permit to operate.

Please complete this form and return to the Kern County Environmental Health Services Department, in the self-addressed envelope provided, within 60 days of the permit issue date.

CHECK:

YES	NO		
		A.	The packet received contained the following items:
X		1.	A cover letter, a Permit to Operate the Underground Hazardous Storage Facility, ~~and a return envelope~~. NO
	X	2.	(if ordered) Handbook UT-10, 12 recording, reconciliation and trend analysis forms, and an action chart (for standard inventory control monitoring).
	X	3.	(if ordered) Handbook UT-15, 12 recording forms, along with an action chart (for modified inventory control monitoring).
X		4.	an order/request form for UT monitoring manuals - if the manuals were not ordered when the monitoring alternatives fact sheets were returned.
X		B.	I have reviewed the information provided within the Permit and find the owner's name and address, facility name and address, operator's name and address, substance codes, and number of tanks to be accurately listed. (If "no" is checked, note appropriate corrections on the back side of this sheet.)
		C.	I have the following required equipment (as described on page 5 of UT-15, or page 6 of UT-10).
X		1.	Acceptable gauging instrument
X		2.	"Striker Plate(s)" in tanks
X		3.	Water-finding paste

YES	NO		
X		D.	I have read the information within the permit to operate pertaining to the agreement between the owner and operator and hereby state that the owner of this facility is the operator. (If "no" is checked, attach a copy of agreement between the owner and the operator.)
X		E.	I have enclosed a copy of Calibration Charts for all tanks which will be monitored utilizing manual or electronic gauging at this facility. (If the tanks are identical, one chart will suffice; label chart(s) with corresponding tank numbers listed on permit.)
		F.	Manual Gauging, utilizing Standard Inventory Control (UT-10) or Modified Inventory Control (UT-15), was started at this facility in accordance with procedures described within the appropriate handbook. Date Started We have manualy Gauged the gasoline & Diesel twice Everyday since 1977. We have Never gauged the waste oil. Record Kept in Daily Books

Signature of Person Completing Checklist: Pauline V. Rose

Title: Sec Treas.

Date: Nov 11, 1991 805-327-2903

Both gasoline Tanks

KEESE TANK AND PUMP COMPANY
1922 South Los Angeles Street
Anaheim 4, California

GUAGE CHART

10,000 gallon underground storage tank
95" I.D. 324" Shell

Depth in Inches	Capacity in Gallons	Depth in Inches	Capacity in Gallons	Depth in Inches	Capacity in Gallons	Depth in Inches	Capacity in Gallons
1	17	25	2106	49	5238	73	8311
2	49	26	2226	50	5374	74	3422
3	94	27	2347	51	5509	75	8533
4	144	28	2470	52	5644	76	8642
5	200	29	2594	53	5775	77	8750
6	262	30	2719	54	5912	78	8854
7	329	31	2845	55	6045	79	8955
8	404	32	2972	56	6178	80	9055
9	479	33	3100	57	6311	81	9151
10	561	34	3231	58	6444	82	9246
11	645	35	3362	59	6575	83	9336
12	732	36	3493	60	6706	34	9423
13	822	37	3624	61	6837	85	9507
14	917	38	3757	62	6968	86	9586
15	1013	39	3890	63	7096	87	9664
16	1113	40	4023	64	7223	88	9739
17	1214	41	4156	65	7349	89	9806
18	1320	42	4290	66	7473	90	9865
19	1426	43	4424	67	7598	91	9924
20	1535	44	4559	68	7721	92	9974
21	1646	45	4694	69	7842	93	10019
22	1757	46	4830	70	7962	94	10051
23	1871	47	4966	71	8081	95	10068
24	1987	48	5102	72	8197		

XERXES

XERXES FIBERGLASS INC.

PROFORM CFRP® STORAGE TANKS
CENTUR[illegible]ERGLASS™
HEIL PROCESS EQUIPMENT

Diesel Tank

CENTUR[illegible]-CAST™ TANKS

DIPSTICK CALIBRATION CHART
For Cylindrical Storage Tanks

DIPSTICK READINGS	Tank Size & Capacity in Gallons & Liters			
	10,000		12,000	
	Gallons	Liters	Gallons	Liters
1"	16	61	20	76
2"	47	178	57	216
3"	87	329	106	401
4"	135	511	163	617
5"	189	715	229	867
6"	249	942	302	1143
7"	315	1192	381	1442
8"	386	1461	463	1752
9"	461	1745	557	2108
10"	541	2048	653	2472
11"	625	2366	753	2850
12"	713	2699	858	3248
13"	804	3043	968	3664
14"	899	3403	1081	4092
15"	997	3774	1198	4534
16"	1098	4156	1319	4992
17"	1202	4550	1443	5462
18"	1309	4955	1570	5942
19"	1419	5371	1701	6438
20"	1531	5795	1834	6942
21"	1645	6226	1971	7460
22"	1762	6669	2109	7983
23"	1881	7120	2251	8520
24"	2002	7578	2395	9065
25"	2124	8039	2540	9614
26"	2249	8512	2689	10178
27"	2375	8989	2839	10746
28"	2503	9474	2991	11321
29"	2633	9966	3144	11900
30"	2764	10462	3300	12491
31"	2896	10961	3457	13085
32"	3030	11469	3615	13683
33"	3164	11976	3775	14288
34"	3300	12491	3936	14898
35"	3437	13009	4098	15511
36"	3575	13531	4261	16128
37"	3713	14054	4425	16749
38"	3852	14580	4590	17373
39"	3992	15110	4755	17998
40"	4132	15640	4922	18630
41"	4273	16173	5088	19258
42"	4414	16707	5256	19894
43"	4556	17244	5423	20526
44"	4698	17782	5591	21162
45"	4839	18316	5759	21798
46"	4981	18853	5927	22434

DIPSTICK READINGS	Tank Size & Capacity in Gallons & Liters			
	10,000		12,000	
	Gallons	Liters	Gallons	Liters
47"	5123	19391	6095	23070
48"	5265	19928	6263	23705
49"	5407	20465	6341	24001
50"	5548	20999	6598	24973
51"	5689	21533	6765	25606
52"	5830	22067	6932	26238
53"	5970	22596	7098	26866
54"	6109	23123	7263	27490
55"	6248	23649	7428	28115
56"	6386	24171	7591	28732
57"	6523	24690	7754	29349
58"	6660	25208	7915	29958
59"	6795	25719	8076	30568
60"	6929	26226	8235	31169
61"	7062	26730	8392	31764
62"	7194	27229	8546	32347
63"	7324	27721	8703	32941
64"	7453	28210	8856	33520
65"	7580	28690	9007	34091
66"	7705	29163	9156	34655
67"	7829	29633	9303	35212
68"	7951	30095	9448	35761
69"	8071	30549	9591	36302
70"	8189	30995	9731	36832
71"	8304	31431	9868	37350
72"	8417	31858	10003	37861
73"	8528	32278	10135	38361
74"	8636	32687	10264	38849
75"	8742	33088	10390	39326
76"	8845	33478	10513	39792
77"	8944	33853	10632	40242
78"	9041	34220	10747	40677
79"	9134	34572	10858	41098
80"	9223	34909	10965	41503
81"	9309	35235	11068	41892
82"	9391	35546	11166	42263
83"	9469	35840	11260	42619
84"	9542	36116	11348	42952
85"	9610	36374	11430	43263
86"	9673	36612	11506	43550
87"	9731	36832	11575	43811
88"	9782	37025	11637	44046
89"	9826	37191	11690	44247
90"	9861	37324	11733	44409
91"	9886	37419	11763	44523

[illegible] XERXES FIBERGLASS INC.

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Additional copies of the same page or additional pages of the same document (size exceeding 8½" x 14")	$ .25		
Postage (if mailed)			
Handling Charge (if mailed)	$ .50		
UT Handbook #10	Total Charges		$5.00

GRAPEVINE UNION, INC.
STAR ROUTE 1, BOX 24
LEBEC, CALIFORNIA 93243
(805) 327-2903

REMITTANCE ADVICE

11-35
1210

13298

PAY Five and no/100 DOLLARS

TIME WK'D	DATE	TO THE ORDER OF	GROSS AMOUNT	FED. W/H	SOC. SEC.	S.D.I.	STATE W/TAX			CHECK NO.	NET AMOUNT
	11-11-91	Kern Co. Environmental Health Svcs.							UT-10 Handbook	13298	5.00

DESCRIPTION

BANK OF AMERICA
COALINGA OFFICE COALINGA, CA 93210

222 009 ⑈013298⑈ ⑆121000358⑆ 04548⑈0031?⑈

RESOURCE MANAGEMENT AGENCY

RANDALL L. ABBOTT
DIRECTOR

DAVID PRICE III
ASSISTANT DIRECTOR

Environmental Health Services Department
STEVE McCALLEY, REHS, DIRECTOR

Air Pollution Control District
WILLIAM J. RODDY, APCO

Planning & Development Services Department
TED JAMES, AICP, DIRECTOR

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT
PERMIT TO OPERATE UNDERGROUND HAZARDOUS STORAGE FACILITY

Permit No.: 330097C **State ID No.:** 30732

Issued to: UNION OIL SS# 4734 **No. of Tanks:** 4

Location: HWY. 99 & GRAPEVINE
LEBEC, CA

Owner: UNION OIL CO. OF CALIFORNIA
2000 CROW CANYON PL. #400
SAN RAMON, CA 94583-1367

Operator: R.J. ROSE & L.W. PERRY
HWY. 99 & GRAPEVINE
LEBEC, CA 93243

Facility Profile:

Tank No.	Substance Code	Tank Contents	Tank Capacity	Year Installed	Is piping Pressurized?
4734/1-1	MVF 3	UNLEADED	10,000	1961	YES
4734/2-1	MVF 3	PREMIUM	10,000	1961	YES
4734/3-1	MVF 3	DIESEL	10,000	1981	YES
4734/4-1	WO 3	WASTE OIL	280	UNKNOWN	NO-GRAVITY

This permit is granted subject to the conditions and prohibitions listed on the attached summary of conditions/prohibitions

By: Steve McCalley

Steve McCalley

Title: Director, Environmental Health Services Department

Issue Date: November 4, 1991

Expiration Date: November 4, 1996

-- POST ON PREMISES --
NONTRANSFERABLE

2700 "M" STREET, SUITE 300 BAKERSFIELD, CALIFORNIA 93301 (805) 861-3636
FAX: (805) 861-3429

REQUEST/ORDER FORMS FOR UT MONITORING MANUALS

The Kern County Environmental Health Services Department will need to provide some underground storage facilities updated manuals which describe the methods which must be utilized to monitor underground storage tanks. Regrettably, we must pass on the cost of duplicating and postage of these manuals to you, the cost of which will be $5.00 per manual. We have in addition placed these manuals at Kinko's Copyhouses and Hoven and Company. You may contact them directly and arrange to have a copy of the manual made for you. Whatever method you choose, please indicate below and return the bottom portion of this form, along with your check if you select items 1 or 2.

NOTE: DUE TO CHANGES IN STATE LAW, THE MANUALS AND SOME OF THE FORMS HAVE BEEN CHANGED. FORMS AND MANUALS DISTRIBUTED BEFORE THIS DATE MAY NOT HAVE INFORMATION WHICH WILL GUIDE YOU THROUGH A MONITORING COURSE WHICH WILL ENSURE COMPLIANCE WITH LOCAL AND STATE LAW.

Mailed 1/14/91

I _____ have reviewed the information provided on the monitoring alternatives which can be utilized and have chosen a monitoring alternative of standard inventory control or modified inventory control. I understand that I may reproduce the manuals and forms at my own expense after receiving the initial copy.

PLEASE MAIL THE FOLLOWING TO THE FACILITY OWNER:

X 1. ($5.00) HANDBOOK UT-#10 AND 12 RECORDING, RECONCILIATION AND TREND ANALYSIS FORMS (FOR STANDARD INVENTORY CONTROL MONITORING).

_____ 2. ($5.00) HANDBOOK UT-#15 AND 12 RECORDING FORMS (FOR MODIFIED INVENTORY CONTROL MONITORING).

_____ 3. I WILL ARRANGE THROUGH A COPYING SERVICE TO OBTAIN A COPY OF THE MANUALS I NEED.

FOR THE FOLLOWING FACILITY:

3560217

GRAPEVINE UNION, INC.
STAR ROUTE 1, BOX 24
LEBEC, CA. 93243
(805) 327-2903 SS-4734

MAKE CHECK PAYABLE TO
THE KERN COUNTY ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

HM29A

PHOTOCOPY CHARGES

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Postage (if mailed)			
Handling Charge (if mailed)	$ .50		
UT Handbook #10	Total Charges		$5.00

⑈013298⑈ ⑆121000358⑆ 04548⑈00317⑈

BANK OF AMERICA
COALINGA OFFICE COALINGA, CA 93210

TIME WK'D	DATE	TO THE ORDER OF	GROSS AMOUNT	FED. W/H	SOC. SEC.	S.D.I.	STATE W/TAX			CHECK NO.	NET AMOUNT
	11-11-91	Kern Co. Environmental Health Dept.					UT-10 Handbook			13298	5.00

DESCRIPTION

PAY Five & No/100 DOLLARS

GRAPEVINE UNION INC.
STAR ROUTE 1, BOX 24
LEBEC, CALIFORNIA 93243
(805) 327-2903

REMITTANCE NOTICE

13298

11-35
1210

RESOURCE MANAGEMENT AGENCY

RANDALL L. ABBOTT
DIRECTOR

DAVID PRICE III
ASSISTANT DIRECTOR

Environmental Health Services Department
STEVE McCALLEY, REHS, DIRECTOR

Air Pollution Control District
WILLIAM J. RODDY, APCO

Planning & Development Services Department
TED JAMES, AICP, DIRECTOR

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

October 10, 1991

Mr. Joe Comstock
Unocal Corporation
76 Broadway Street
Sacramento, CA 95818

Dear Mr. Comstock:

During a recent complaint inspection by a representative of this department, it was discovered that Unocal Corporation is the owner of an unpermitted underground waste oil tank located at the Unocal Station #4734, Highway 99 and Grapevine in Lebec. Enclosed you will find a map showing the location of the tank for your reference. Also enclosed, you will find an application for permit to operate, and an application for permit for permanent closure to be submitted in lieu of the application for the permit to operate. Completed forms must be returned within 14 days.

Failure to submit an enclosed application may result in legal action. If you have any questions, feel free to call me at (805)861-3636.

Sincerely,

Jane Warren

JANE WARREN, HAZARDOUS MATERIALS INSPECTOR

330097

Associated Environmental Systems, Inc.

RECEIVED
AUG 14 1991

TO APPROPRIATE COUNTY REGULATORY AGENCY:

Environmental Health
2000 M Street Suite 300
Bakersfield, Ca 93301

IN THE ENCLOSED PACKAGE YOU WILL FIND THE RESULTS FROM THE UNDERGROUND TANK TEST FOR TANKS LOCATED AT:

Unocal / #4734
Hwy 99 / Grapevine
Lebec, Ca

THE ORIGINAL OF ALL DOCUMENTS HAVE BEEN FORWARDED TO THE TANK OWNER. IF YOU HAVE ANY QUESTIONS, PLEASE CALL US AT 805-393-2212 AND ASK FOR THE OPERATIONS DEPARTMENT.

ASSOCIATED ENVIRONMENTAL SYSTEMS, INC. HAS ADVISED OUR CUSTOMER THAT PRECISION TEST RESULTS WERE SENT TO YOU FOR THIS LOCATION.

Associated Environmental Systems, Inc.

Dear Customer:

In the enclosed package you will find your Billing Order (invoice), Precision Tank & Line Test Results Sheet, site plan and test graphs. Copies of this entire package, except the Billing Order, have been submitted by A.E.S. to the governing agency in the specified county.

Kern

Each county in California, as well as some cities, have their own tank testing program. Regulations vary from county to county. If you have any questions, please call us. We are always glad to help our customers in any way we can.

Thank you for letting us serve your tank testing needs. Please keep in mind A.E.S. offers other services in the Environmental field.

Thanks again,

Employess of A.E.S.

Headquarters • P.O. Box 80427, Bakersfield, CA 93380 • (805) 393-2212 • (800) 237-0067
3651 Pegasus Drive, Suite 102 • Bakersfield, CA 93308 • U.S. (800) 426-2113

Associated Environmental Systems, Inc.

P.O. Box 80427
Bakersfield, CA 93380
(805)-393-2212

AES - SYSTEM II
PRECISION TANK & LINE TEST RESULTS SUMMARY

Invoice Address:

UNOCAL CORP
2000 CROW CANYON RD 400
SAN RAMON CALIF 94583

Tank Location:

UNOCAL #4734
HWY 99/GRAPEVINE
LEBEC CALIF

W.O.#: 14877

I.D. Number: 4734
Technician:BNL
Tech.#:89165 Van#:0117

Date: 08/08/91 Time Start: 09:00 End: 16:00 County: KE
Facility Phone#: 1-805-327-2903 Groundwater Depth: N/A Blue Prints: N/A
Contact: MGR Date;Time system was filled: 08/08/91 09:30

Tank	Tank Capacity	Product	Tank	Product Line	Type Of Vapor Recovery	Inches of Water/Tank	Pump Type	Tank Material
1	10K	R/UL	PASS	PASS	PH-2	0 0	TURB	S W S
2	10K	S/UL	PASS	PASS	PH-2	0 0	TURB	S W S
3	10K	DSL	PASS	PASS	N/A	0 0	TURB	S W S

Additional Information:

SITE LOG	TIME
Set Up Equip:	09:10
Bled Product Lines:	09:30
Bled Vapor Lines:	09:35
Bled Vent lines:	09:40
Bled Turbine:	09:30
Bled Suction Pump:	N/A
Risers Installed:	09:15

a) This system and method meets the criteria set forth in NFPA #329.
b) Any failure listed above may require further action, check with all regulatory agencies.

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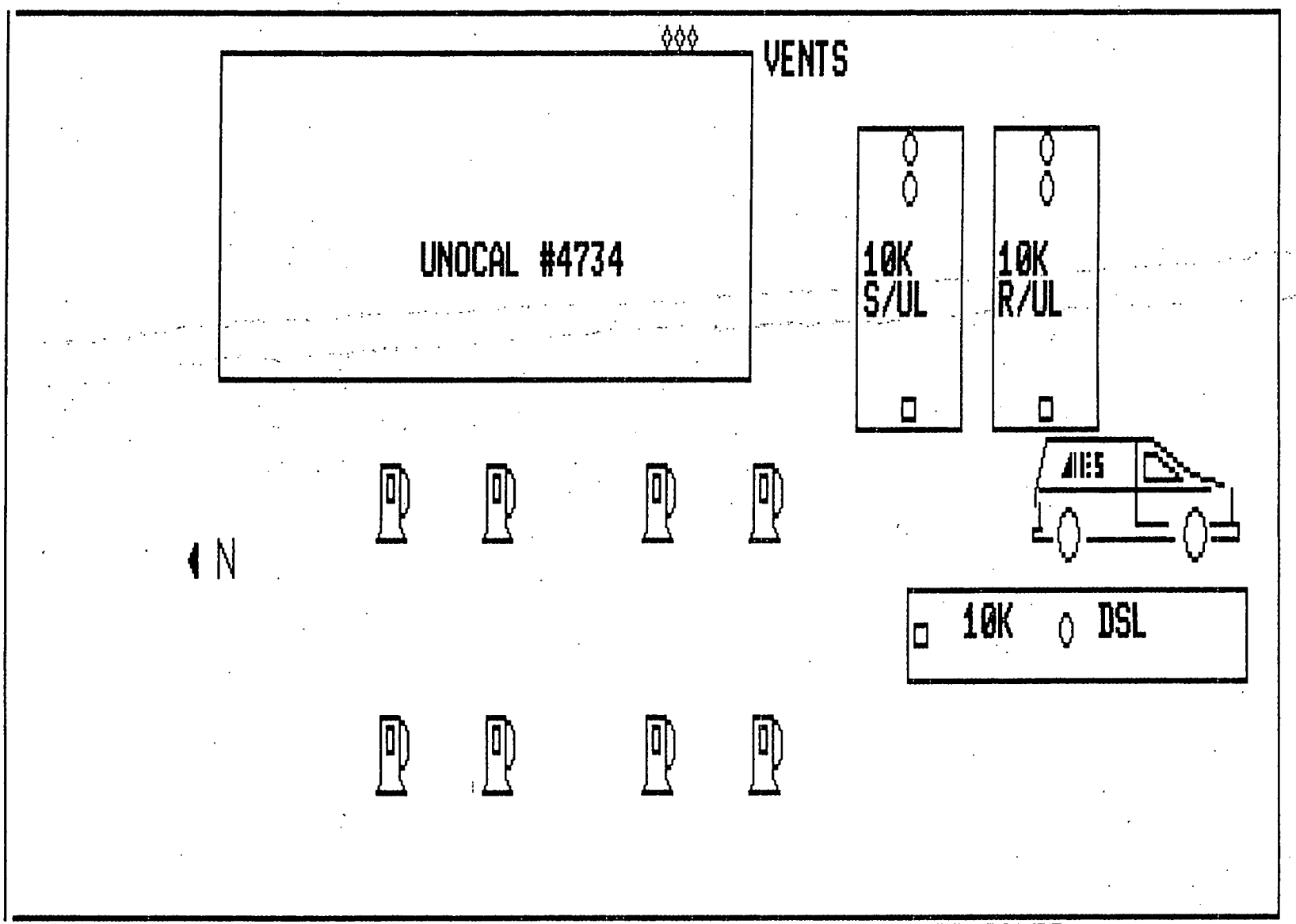
California O.T.T.L. Number : 1131

Certified Technician Signature : [signature]

Date : 8-8-91

ASSOCIATED ENVIRONMENTAL SYSTEMS

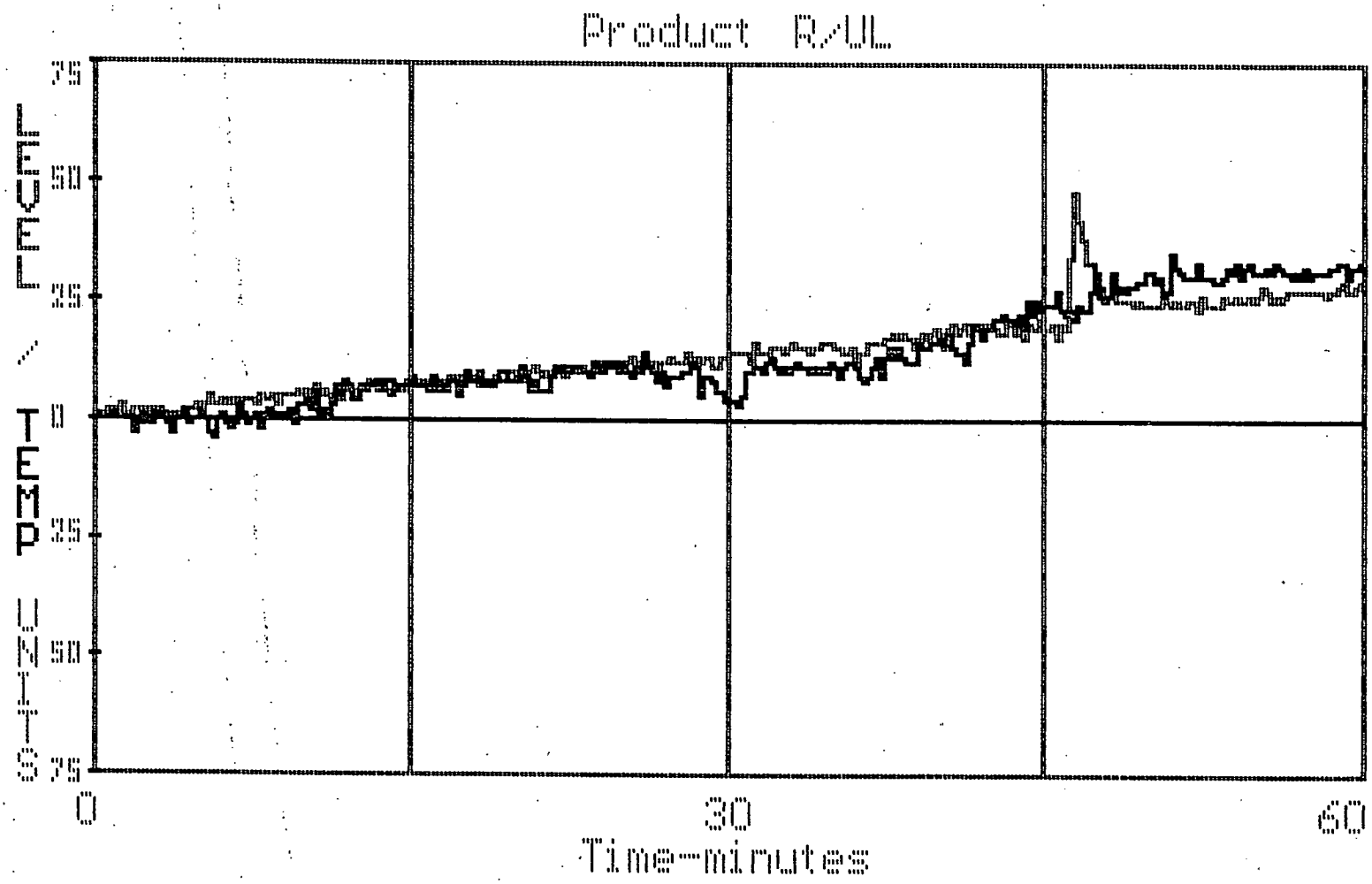


Site Layout For : UNOCAL #4734 HWY 99/GRAPEVINE LEBEC CALIF

Associated Environmental Systems, Inc.
23AP.O. Box 8046 Bakersfield, CA 93380 (8[illegible] 393-2212

AES/System II Precision leak Test Graph (OverFill)

Invoice No.: 14877 Date: 08/08/91 Time : 11:31:05
Technician: BNL Tank: 1 Tank Diameter(in): 95
Volume(gal): 10000 Grade Level(in): 129 Product Level(in): 119
Water Level On Tank(in): 0
Specific Gravity: .75 Coefficient Of Expansion: 0.0006513
Calibration Value(ml): 500 Channel: 1
Level Segment From: 1 To 225 Temp Segment From: 1 To 300



Change In Calibration Zone = 31
Starting Temperature (F): 87.611
Surface Area(sq. in): 98.4

Level volume(gph): 0.53
Temp. volume(gph): 0.22
Net change(gph) : 0.31
==========

Result ---> P/L --->

Calibration Unit(gal/unit) = 0.00426
Head Pressure(col/in (Btm)): 89.2
Temp. Change(F/h) : 0.035

Product Line(gph):

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** Notes **

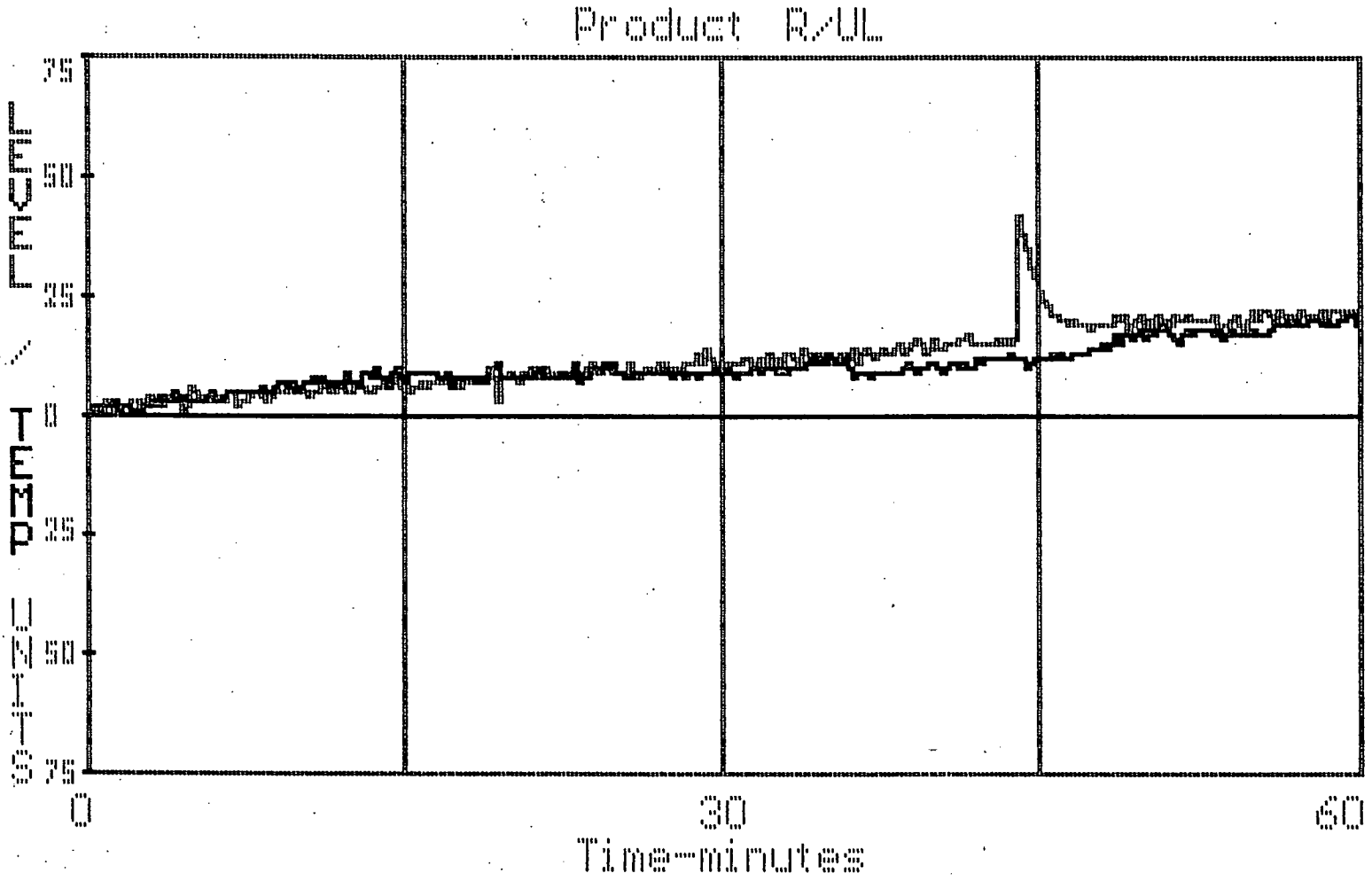
UNOCAL #4734 , HWY 99/GRAPEVINE , LEBEC CALIF. HIGH LEVEL TEST. 500 ML-CAL. FIRST HOUR.

Associated Environmental Systems, Inc.

23AP.O. Box 8042[redacted] Bakersfield, CA 93380 (80[redacted] 393-2212

AES/System II Precision leak Test Graph (OverFill)

Invoice No.: 14877A Date: 08/08/91 Time : 12:36:19
Technician: BNL Tank: 1 Tank Diameter(in): 95
Volume(gal): 10000 Grade Level(in): 129 Product Level(in): 119
Water Level On Tank(in): 0
Specific Gravity: .75 Coefficient Of Expansion: 0.0006513
Calibration Value(ml): 500 Channel: 1
Level Segment From: 1 To 210 Temp Segment From: 150 To 300



Change In Calibration Zone = 35
Starting Temperature (F): 87.711
Surface Area(sq. in): 87.1

Calibration Unit(gal/unit) = 0.00377
Head Pressure(col/in (Btm)): 89.2
Temp. Change(F/h) : 0.049

Level volume(gph): 0.35
Temp. volume(gph): 0.31
Net change(gph) : 0.04

Product Line(gph): .004

Result ---> PASS

P/L ---> PASS

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** Notes **

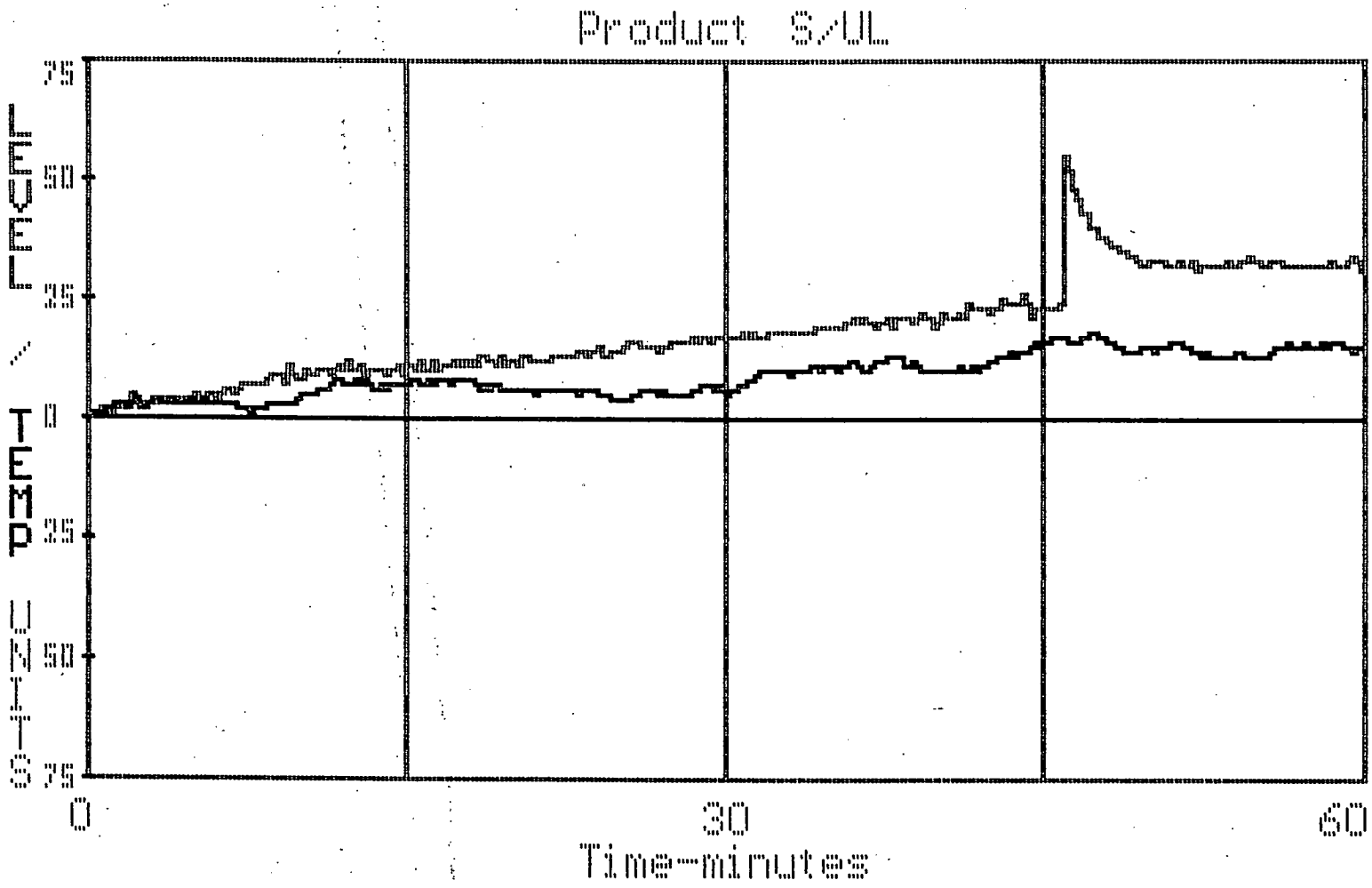
UNOCAL #4734 , HWY 99/GRAPEVINE , LEBEC CALIF. HIGH LEVEL TEST. 500 ML-CAL. SECOND HOUR.

Associated Environmental Systems, Inc.

23AP.O. Box 80427 Bakersfield, CA 93380 (805) 393-2212

AES/System II Precision leak Test Graph (OverFill)

Invoice No.: 14877 Date: 08/08/91 Time : 11:31:05
Technician: BNL Tank: 2 Tank Diameter(in): 95
Volume(gal): 10000 Grade Level(in): 129 Product Level(in): 117
Water Level On Tank(in): 0
Specific Gravity: .75 Coefficient Of Expansion: 0.0006513
Calibration Value(ml): 567 Channel: 2
Level Segment From: 1 To 225 Temp Segment From: 1 To 300



Change In Calibration Zone = 50
Starting Temperature (F): 87.270
Surface Area(sq. in): 69.2

Calibration Unit(gal/unit) = 0.00299
Head Pressure(col/in (Btm)): 87.7
Temp. Change(F/h) : 0.073

Level volume(gph): 0.42
Temp. volume(gph): 0.47
Net change(gph) : -0.05

Product Line(gph):

Result ---> P/L --->

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** Notes **

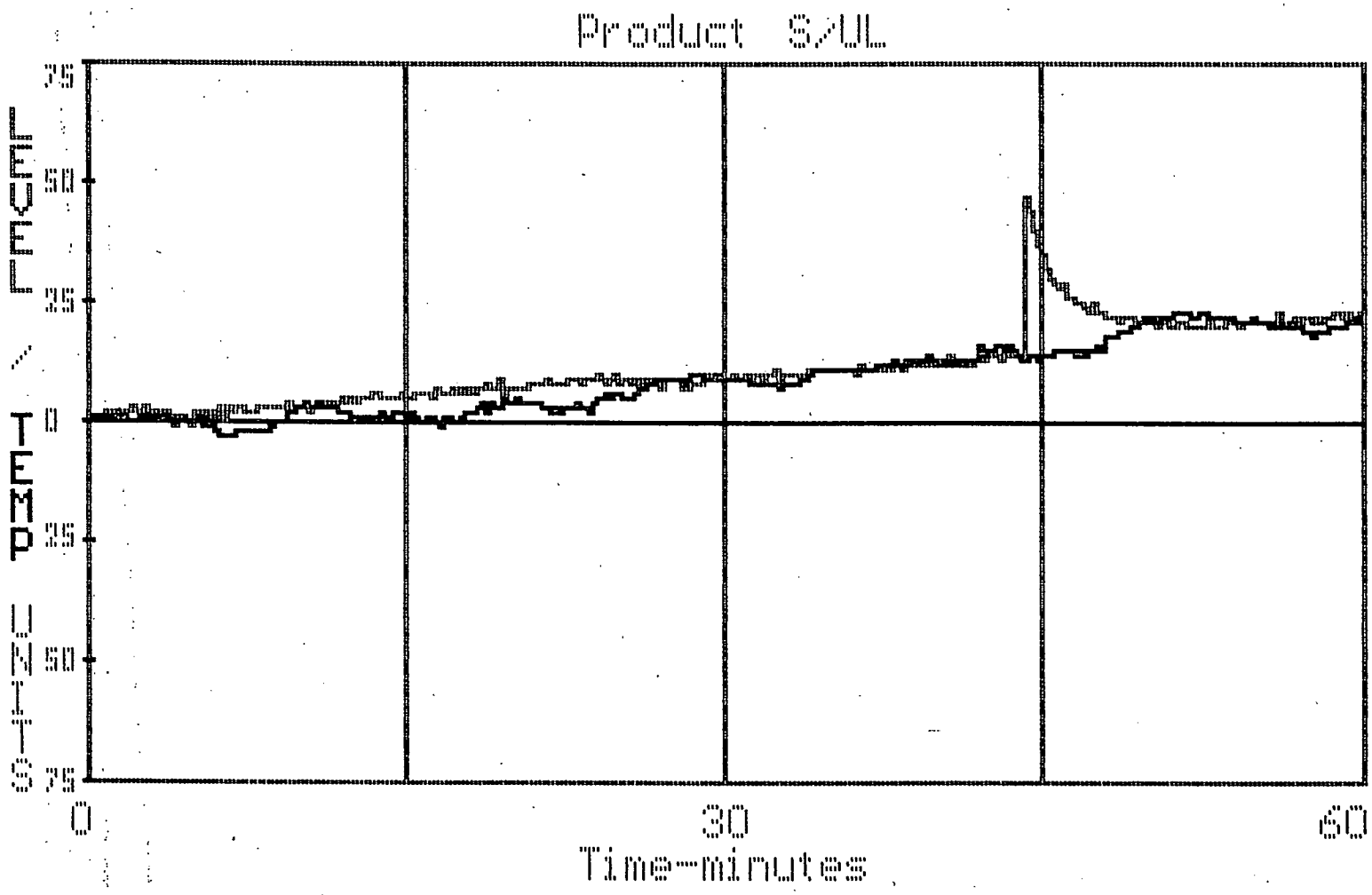
UNOCAL #4734 , HWY 99/GRAPEVINE , LEBEC CALIF. HIGH LEVEL TEST. 567 ML-CAL. FIRST HOUR.

Associated Environmental Systems, Inc.

23AP.O. Box 8042 Bakersfield, CA 93380 (80[illegible] 393-2212

AES/System II Precision leak Test Graph (OverFill)

Invoice No.: 14877A Date: 08/08/91 Time : 12:36:19
Technician: BNL Tank: 2 Tank Diameter(in): 95
Volume(gal): 10000 Grade Level(in): 129 Product Level(in): 117
Water Level On Tank(in): 0
Specific Gravity: .75 Coefficient Of Expansion: 0.0006513
Calibration Value(ml): 567 Channel: 2
Level Segment From: 1 To 150 Temp Segment From: 1 To 150



Change In Calibration Zone = 26 Calibration Unit(gal/unit) = 0.00576
Starting Temperature (F): 87.466 Head Pressure(col/in (Btm)): 87.7
Surface Area(sq. in): 133.0 Temp. Change(F/h) : 0.090

Level volume(gph): 0.54
Temp. volume(gph): 0.58
Net change(gph) : -0.04
==========

Product Line(gph): .026

Result ---> PASS **P/L ---> PASS**

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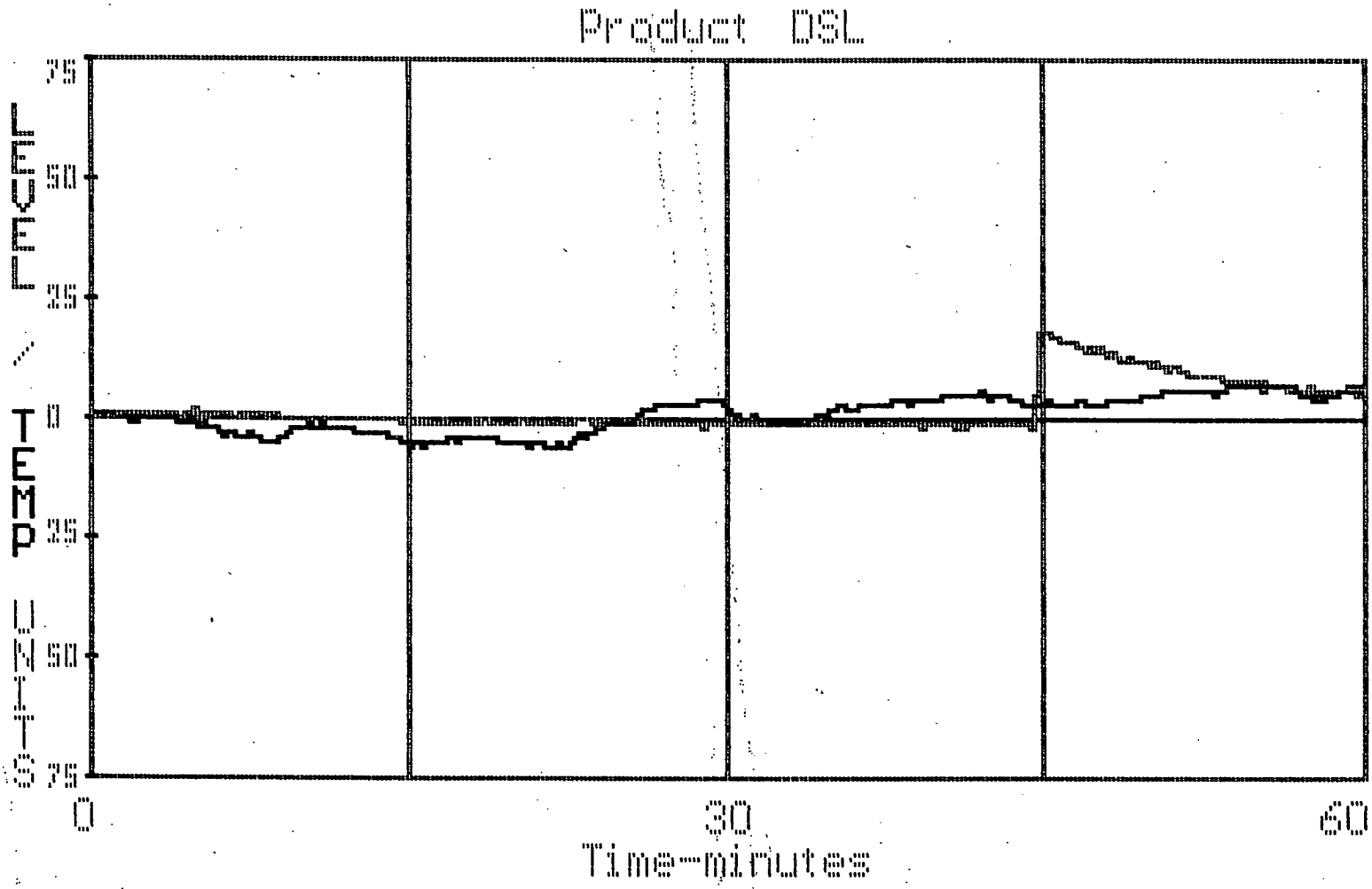
** Notes **

UNOCAL #4734 , HWY 99/GRAPEVINE , LEBEC CALIF. HIGH LEVEL TEST. 567 ML-CAL. SECOND HOUR.

Associated Environmental Systems, Inc.
23AP.O. Box 8042 Bakersfield, CA 93380 (80[illegible] 393-2212

AES/System II Precision leak Test Graph (OverFill)

Invoice No.: 14877A Date: 08/08/91 Time : 12:36:19
Technician: BNL Tank: 3 Tank Diameter(in): 90
Volume(gal): 10000 Grade Level(in): 137 Product Level(in): 117
Water Level On Tank(in): 0
Specific Gravity: .85 Coefficient Of Expansion: 0.0004546
Calibration Value(ml): 500 Channel: 3
Level Segment From: 1 To 220 Temp Segment From: 1 To 165



Change In Calibration Zone = 31 Calibration Unit(gal/unit) = 0.00426
Starting Temperature (F): 89.042 Head Pressure(col/in (Btm)): 99.4
Surface Area(sq. in): 86.8 Temp. Change(F/h) : 0.043

Level volume(gph): -0.06
Temp. volume(gph): 0.19 Product Line(gph): .002
Net change(gph) : -0.25

==========

Result ---> **P/L --->**

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** Notes **

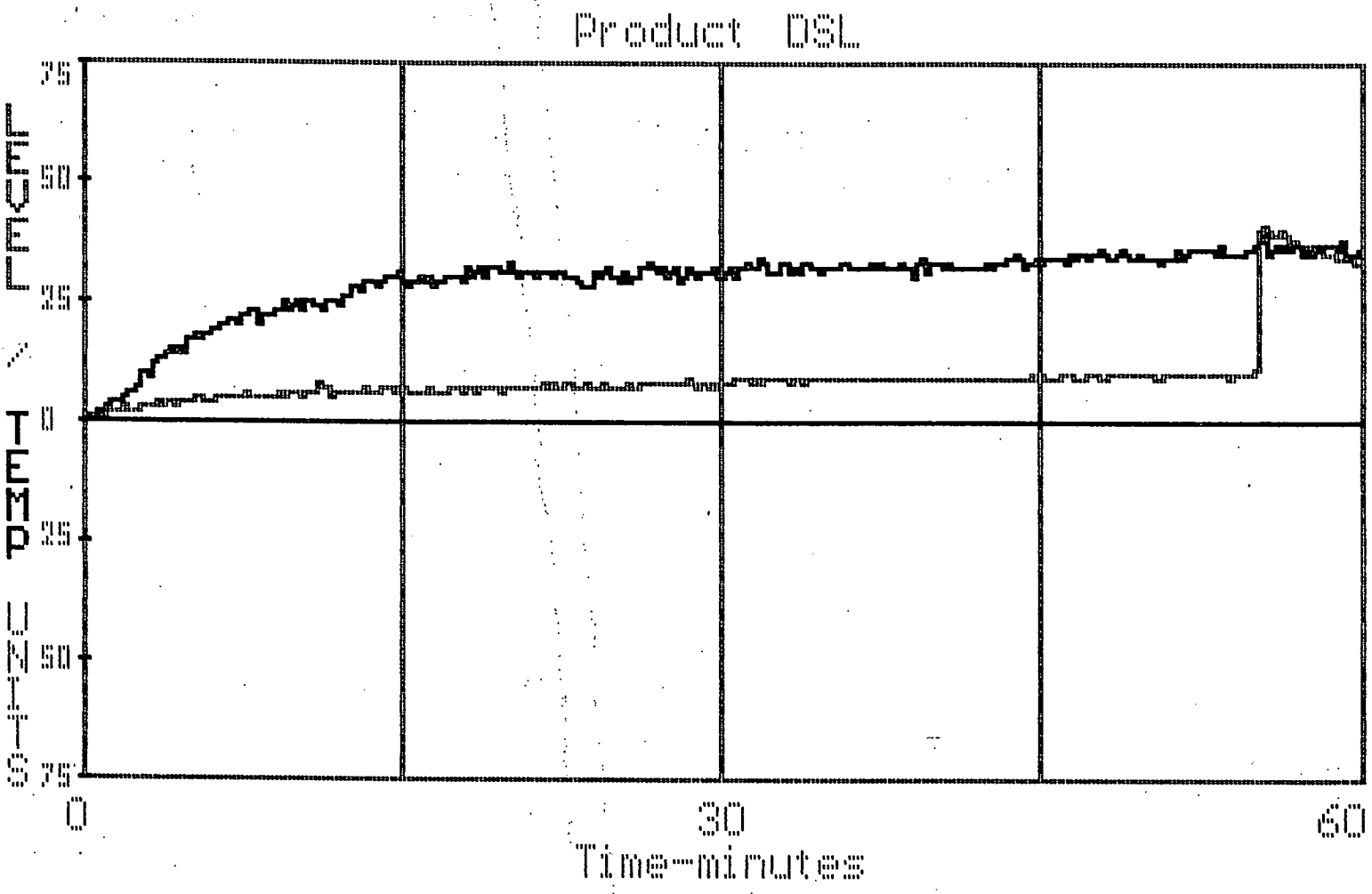
UNOCAL #4734 , HWY 99/GRAPEVINE , LEBEC CALIF. HIGH LEVEL TEST. 500 ML-CAL. SECOND HOUR.

Associated Environmental Systems, Inc.

23AP.O. Box 8042 Bakersfield, CA 93380 (80[redacted]393-2212

AES/System II Precision leak Test Graph (OverFill)

Invoice No.: 14877B Date: 08/08/91 Time : 14:20:16
Technician: BNL Tank: 3 Tank Diameter(in): 90
Volume(gal): 10000 Grade Level(in): 137 Product Level(in): 110
Water Level On Tank(in): 0
Specific Gravity: .85 Coefficient Of Expansion: 0.0004543
Calibration Value(ml): 500 Channel: 1
Level Segment From: 1 To 270 Temp Segment From: 75 To 300



Change In Calibration Zone = 98 Calibration Unit(gal/unit) = 0.00135
Starting Temperature (F): 90.405 Head Pressure(col/in (Btm)): 93.5
Surface Area(sq. in): 27.5 Temp. Change(F/h) : 0.019

Level volume(gph): 0.04
Temp. volume(gph): 0.08 Product Line(gph): .002
Net change(gph) : -0.04
==========

Result ---> PASS **P/L ---> PASS**

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** Notes **

UNOCAL #4734 , HWY 99/GRAPEVINE , LEBEC CALIF. MID LEVEL TEST. 500 ML-CAL. THIRD HOUR.

Associated Environmental Systems, Inc.
P.O. Box 80427
Bakersfield, CA 93380
(805)-393-2212

Invoice Number 14877

HYDROSTATIC PRODUCT LINE TEST WORK SHEET

TEST NO.	PRODUCT	START TIME	END TIME	START VOL. (ML)	END VOL. (ML)	TEST VOL. DIFF. (ML)
1	DSL	10:20	10:35	230	228	.002
1	R/UL	10:45	11:00	169	165	.004
1	S/UL	11:08	11:23	209	178	.026

Divide the volume differential by the test time (15 minutes) and multiply by 0.0158311, which will convert the volume differential from milliliters per minute to gallons per hour.

The conversion constant is found by :

(60 min/hr)/(3790 ml/gal) = 0.0158311 (min/hr) (gal/ml)

The conversion constant causes the milliliters and minutes to cancel out.

Ex. If the level dropped 3ml in 15 minutes then:

~~3/15 ml./min. X 0.0158311 (min/hr) (gal/ml) = 0.003 gal/hr.~~

RESULTS OF THIS WORK SHEET TO BE COMPILED ON RESULTS SHEET.

Associated Environmental Systems, Inc.
P.O. Box 80427
Bakersfield, CA 93380
(805)-393-2212

Invoice Number 19877

LEAK DETECTOR TEST DATA

TEST LOCATION:
UNOCAL
HWY 99 / GRAPEVINE
LABEL

FACILITY # : 4734
CONTACT: MIKE
PHONE # : 1-805-322-2903
TEST DATE: 8/8/91

PRODUCT	DOES LEAK DET EXIST	TEST #1	TEST #2	RESULTS	RESULTS P/L TEST
REG	YES ____ NO ____	SERIAL # ____ GAL	____ GAL	PASS ____ FAIL ____	PASS ____ FAIL ____
R/UL	YES ✓ NO ____	SERIAL # 10 PSI GAL	30 PSI GAL	PASS ✓ FAIL ____	PASS ✓ FAIL ____
S/UL	YES ✓ NO ____	SERIAL # 9 PSI GAL	31 PSI GAL	PASS ✓ FAIL ____	PASS ✓ FAIL ____
DSL	YES ✓ NO ____	SERIAL # 03116 20 PSI GAL	30 PSI GAL	PASS ✓ FAIL ____	PASS ✓ FAIL ____

NOTES: L/D # UNREADABLE ON R/UL & S/UL

TEST PROCEDURE

Test #1: perform for 30 seconds with nozzle in full open position
Test #2: perform for 30 seconds after nozzle closed for 10 seconds

EXAMPLE OF POSSIBLE RESULTS

Test #1	Test #2	Results	Test #1	Test #2	Results
1 Gal	3 Gal	Pass	3 Gal	3 Gal	Fail

TECHNICIAN LINSTEAD DATE 8/8/91

CHECKLIST OF SERVICES
UNOCAL NORTH

FLUID WOULD NOT STAY UP IN RISERS

_____ Full System Tank test

_____ Close All Impact Valves

_____ AES Hydrostatic Product Line Test

_____ AES Leak Detector Test

NONE Check Drop Tubes For Striker Plates
(install a new one if necessary and record the tank in the space below)
Invoice Customer @ $30.00 ea/Plate

_____ Disconnect All V/R Lines Where Cross Contamination Could Occur

_____ Conduct A Visual Inspection For Leaks In Dispenser Cabinet

_____ Complete AES Results Sheets

_____ Complete Site Plot

_____ Complete Site Information Sheet Including Coefficient of Expansion, Specific Gravity And Temperature

A New Striker Plate Was Installed

	YES	NO	
	✓		U/L-87 TANK #1
INSTALLED 8-12-91			U/L-87 TANK #2
	✓		U/L-92 TANK #1
			~~U/L-93 TANK #2~~
			DSL

Complete This Checklist And Include In The Test Packet

KERN COUNTY RESOURCE MANAGEMENT AGENCY
ENVIRONMENTAL HEALTH SERVICES DEPARTMENT
2700 "M" STREET, SUITE 300, BAKERSFIELD, CA.93301
(805)861-3636

UNDERGROUND HAZARDOUS SUBSTANCE STORAGE FACILITY
* INSPECTION REPORT *

PERMIT# 330097C TIME IN 2:30p TIME OUT _____ NUMBER OF TANKS: 4
PERMIT POSTED? YES _____ NO X INSPECTION DATE: 2-21-91
TYPE OF INSPECTION: ROUTINE X REINSPECTION _____ COMPLAINT _____

FACILITY NAME: UNION OIL SS# 4734
FACILITY ADDRESS: HWY. 99 & GRAPEVINE
LEBEC, CA
OWNERS NAME: UNION OIL CO. OF CALIFORNIA
OPERATORS NAME: R.J. ROSE ~~& L.W. PERRY~~
COMMENTS:

ITEM	VIOLATIONS/OBSERVATIONS
1. PRIMARY CONTAINMENT MONITORING: a. Intercepting an directing system b. Standard Inventory Control c. Modified Inventory Control Waste Oil d. In-tank Level Sensing Device e. Groundwater Monitoring f. Vadose Zone Monitoring	Keeping standard inventory. left trend analysis sheets and modified inventory records
2. SECONDARY CONTAINMENT MONITORING: a. Liner b. Double-Walled tank c. Vault	None
3. PIPING MONITORING: a. Pressurized b. Suction c. Gravity	Red Jackets installed
4. OVERFILL PROTECTION:	Spill boxes installed - need to be cleaned out
5. TIGHTNESS TESING	about 5 months ago
6. NEW CONSTRUCTION/MODIFICATIONS	None
7. CLOSURE/ABANDONMENT	None
8. UNAUTHORIZED RELEASE	unknown
9. MAINTENANCE, GENERAL SAFETY, AND OPERATING CONDITION OF FACILITY	very good

COMMENTS/RECOMMENDATIONS

REINSPECTION SCHEDULED? yes X no APPROXIMATE REINSPECTION DATE:
INSPECTOR: Laurel Fank REPORT RECEIVED BY: Dan Ongar

KERN COUNTY AIR POLLUTION CONTROL DISTRICT

2700 "M" Street, Suite 275

Bakersfield, CA. 93301

(805) 861-3682

PHASE II VAPOR RECOVERY INSPECTION FORM

Station Location Hwy 99 + I-5, Lebec P/O # 85160001-002

Company Address Star Rt 1 Box 24 City Lebec Zip 93243

Contact Dassia Grogan Phone (805) 327-2903 System Type: (BA) RJ HI HE GH HA

Inspector Laurel Funk Date 2-21-91 Notice Rec'd By Dan Grogan

	Self Serve								Full Serve							
NOZZLE #	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	
GAS GRADE	87	87	89	92	87	87	89	92	87	89	92	87	82	89	92	
NOZZLE TYPE	OPW INF	OPW INF	OPW INF	OPW INF	same	-										
	South → North								South → North							
NOZZLE 1. CERT. NOZZLE																
2. CHECK VALVE																
3. FACE SEAL																
4. RING, RIVET																
5. BELLOWS																
6. SWIVEL(S)																
7. FLOW LIMITER (EW)																
VAPOR HOSE 1. HOSE CONDITION																
2. LENGTH																
3. CONFIGURATION																
4. SWIVEL																
5. OVERHEAD RETRACTOR																
6. POWER/PILOT ON																
7. SIGNS POSTED			M	M								M				

Key to system types:
BA=Balance HE=Healey
RJ=Red Jacket GH=Gulf Hasselmann
HI=Hirt HA=Hasstech

Key to deficiencies: NC= not certified, B= broken
M= missing, TO= torn, F= flat, TN= tangled
AD= needs adjustment, L= long, LO= loose,
S= short MA= misaligned, K= kinked, FR= frayed.

** INSPECTION RESULTS **			7	7								7				

Key to inspection results: Blank= OK, 7= Repair within seven days, T= Tagged (nozzle tagged out-of-order until repaired)
U= Taggable violation but left in use.

COMMENTS: _____

VIOLATIONS: SYSTEMS MARKED WITH A "T OR U" CODE IN INSPECTION RESULTS, ARE IN VIOLATION OF KERN COUNTY AIR POLLUTION CONTROL DISTRICT RULE(S) 412 AND/OR 412.1. THE CALIFORNIA HEALTH & SAFETY CODE SPECIFIES PENALTIES OF UP TO $1,000.00 PER DAY FOR EACH DAY OF VIOLATION. TELEPHONE (805) 861-3682 CONCERNING FINAL RESOLUTION OF THE VIOLATION.

NOTE: CALIFORNIA HEALTH & SAFETY CODE SECTION 41960.2, REQUIRES THAT THE ABOVE LISTED 7-DAY DEFICIENCIES BE CORRECTED WITHIN 7 DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION

9149-1015

APCD FILE

KERN COUNTY AIR POLLUTION CONTROL DISTRICT

2700 "M" Street, Suite 275
Bakersfield, CA. 93301
(805) 861-3682

PHASE I VAPOR RECOVERY INSPECTION FORM

Station Name Unocal Location Hwy 99 & I5 Lebec P/O # 8516001-002

Company Mailing Address Star Rt 1 Box 24 City Lebec

Date 2-21-91 Phone (805) 327-2903 System Type: Sep. Riser / Coaxial (circled)

Inspector Laurel Funk Notice Rec'd By David Gosgan

		TANK #1	TANK #2	TANK #3	TANK #4
1.	PRODUCT (UL, PUL, P, or R)	PUL			
2.	TANK LOCATION REFERENCE	North			
3.	BROKEN OR MISSING VAPOR CAP				
4.	BROKEN OR MISSING FILL CAP				
5.	BROKEN CAM LOCK ON VAPOR CAP				
6.	FILL CAPS NOT PROPERLY SEATED	✓			
7.	VAPOR CAPS NOT PROPERLY SEATED				
8.	GASKET MISSING FROM FILL CAP				
9.	GASKET MISSING FROM VAPOR CAP				
10.	FILL ADAPTOR NOT TIGHT				
11.	VAPOR ADAPTOR NOT TIGHT		/		
12.	GASKET BETWEEN ADAPTOR & FILL TUBE MISSING / IMPROPERLY SEATED				
13.	DRY BREAK GASKETS DETERIORATED				
14.	EXCESSIVE VERTICAL PLAY IN COAXIAL FILL TUBE				
15.	COAXIAL FILL TUBE SPRING MECHANISM DEFECTIVE	✓	✓		
16.	TANK DEPTH MEASUREMENT	132"	138"		
17.	TUBE LENGTH MEASUREMENT	126"	132"		
18.	DIFFERENCE (SHOULD BE 6" OR LESS)	6"	6"		
19.	OTHER				

20. COMMENTS:

☆ **WARNING:** SYSTEMS MARKED WITH A CHECK ABOVE ARE IN VIOLATION OF KERN COUNTY AIR POLLUTION CONTROL DISTRICT RULE(S) 209, 412 AND/OR 412.1. THE CALIFORNIA HEALTH & SAFETY CODE SPECIFIES PENALTIES OF UP TO $1,000.00 PER DAY FOR EACH VIOLATION. TELEPHONE (805) 861-3682 CONCERNING FINAL RESOLUTION OF THE VIOLATION(S) ☆☆☆☆

APCD FILE

9149-1010

PERMIT # 5330097 FACILITY NAME: Unocal # 4734

NUMBER OF TANKS AT THE SITE: 3 ENV. SENSITIVITY.....

EMERGENCY CONTACT PERSON(PRIMARY):
NAME:

PHONE NUMBER:

EMERGENCY CONTACT PERSON(SECONDARY):
NAME:

PHONE NUMBER:

TANK OWNER INFORMATION:
NAME:

ADDRESS:

PHONE NO.:

TANK CONTENTS:

TANK #	MANUFACTURER	YEAR INSTALLED	CAPACITY	CONTENTS

TANK CONSTRUCTION:

TANK #	TYPE(dw, sw, sec.cont.)	MATERIAL	INT. LINING	CORROSION PROT.

LEAK DETECTION: TANKS: ____ VISUAL ____ GROUNDWATER MONITORING WELLS
____ VADOSE ZONE MONITORING WELLS ____ U-TUBES WITH LINERS
____ U-TUBES WITHOUT LINERS ____ VAPOR DETECTOR ____ LIQUID SENSORS
____ CONDUCTIVITY SENSORS ____ PRESSURE SENSORS IN ANNULAR SPACE
____ LIQUID RETRIEVAL SYSTEMS IN U-TUBES, MONITORING WELLS, OR ANNULAR
____ NONE ____ UNKNOWN ____ OTHER

PIPING INFORMATION:

TANK #	SYSTEM TYPE (SUC.,PRES.,GRAV.)	CONSTRUCTION (SW,DW,LINED TR)	MATERIAL
1	Pres		
2	"		
3	" gravity		

LEAK DETECTION: PIPING: X FLOW RESTRICTING LEAK DETECTORS FOR PRESSURIZED PIPING ____ MONITORING SUMP WITH RACEWAY
____ SEALED CONCRETE RACEWAY ____ HALFCUT COMPATIBLE PIPE RACEWAY
____ SYNTHETIC LINER RACEWAY ____ NONE ____ UNKNOWN
____ OTHER

JAN 1991
RECEIVED

PERMIT NUMBER 330097 C

TYPE OF INSTALLATION

( ) 1. In-Tank Level Sensor (✓) 2. Leak Detector ( ) 3. Fill Box

FACILITY NAME UNOCAL SERVICE STATION NO. 4734

FACILITY ADDRESS HIGHWAY 99 & GRAPEVINE LEBEC, CA. 93243

CONTACT PERSON R. J. ROSE & L. W. PERRY

1. IN TANK LEVEL SENSORS

Number of Tanks _____ List By Tank ID _____ _____ _____
_____ _____ _____
_____ _____ _____

Name of System _____
Manufacturer & Model Number _____
Contractor/Installer _____

2. LEAK DETECTORS

Number of Tanks 3 List By Tank ID 92-SUPER UNL. R.J.
87-REG. UNL, R.J.
WASTE OIL NONE

Name of System RED JACKET-LEAK DETECTOR
Manufacturer & Model Number _____
Contractor/Installer _____

3. FILL BOXES

Number of Tanks _____ List By Tank ID _____ _____ _____
_____ _____ _____
_____ _____ _____

Name of System _____
Manufacturer & Model Number _____
Contractor/Installer _____

TONY YAP
JAN 0 0 1991
NCD-SAN RAMON

OWNER/OPERATOR DATE

N D E E N V I R O N M E N T A L C O R P .

**** UNDERGROUND STORAGE TANK TEST SUMMARY ****

PRECISION VOLUMETRIC QUANTITATIVE LEAK TEST

To: **UNOCAL CORPORATION** 09/26/90

TANK LOCATION: **UNOCAL SERVICE STATION 4734**
HIGHWAY 99 & GRAPEVINE
LEBEC, CA 93243

Attention: **TONY YAP**

The underground storage tank system(s) at the referenced location has been tested on the dates indicated with the results indicated in the following tables:

TANK TEST RESULTS

TANK ID	TANK CAP gallons	TANK CONTENTS	DATE	PASS FAIL	LEAK RATE-gph	TEST LEVEL
10K UNL 87	10000	UNLEADED (87)	09/26/90	PASS	-0.004	Full Sys
10K SUP 92	10000	S/UNLEADED (92)	09/26/90	PASS	+0.027	Full Sys
10K DIESEL	10000	DIESEL FUEL	09/26/90	PASS	+0.017	Full Sys

RECEIVED
OCT 15 1990

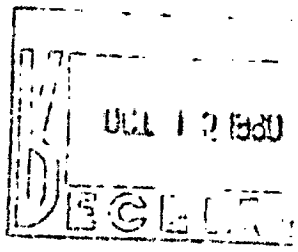
PIPING PRESSURE TEST RESULTS

TANK ID	TANK CAP gallons	TANK CONTENTS	DATE	PASS FAIL	LEAK RATE-gph
10K UNL 87	10000	UNLEADED (87)	09/26/90	PASS	******
10K SUP 92	10000	S/UNLEADED (92)	09/26/90	PASS	******
10K DIESEL	10000	DIESEL FUEL	09/26/90	PASS	******

NDE ENVIRONMENTAL CORP. is authorized to test and certify tanks by the: **COUNTY OF KERN, STATE OF CALIFORNIA.**
These results were effective on the date of test.

Certification Signature:

Hensley Barbour Jr
HENSLEY BARBOUR
1189



N D E E N V I R O N M E N T A L C O R P .

****** CERTIFICATE OF UNDERGROUND STORAGE TANK INTEGRITY ******

PRECISION VOLUMETRIC QUANTITATIVE LEAK TEST

The following underground storage tank systems have been tested and are certified within the allowable limit of NFPA Title 329 at the tested level.

List of Certified Tank Systems:

STATION NUMBER	TANK NUMBER	TANK CAPACITY	TANK CONTENTS
UNOCAL 4734	10K UNL 87	10000	UNLEADED (87)
UNOCAL 4734	10K SUP 92	10000	S/UNLEADED (92)
UNOCAL 4734	10K DIESEL	10000	DIESEL FUEL

TANK LOCATION: **UNOCAL SERVICE STATION 4734**
HIGHWAY 99 & GRAPEVINE
LEBEC, CA 93243

TANK OWNER: **UNOCAL CORPORATION**

NDE ENVIRONMENTAL CORP. is authorized to test and certify these tanks by the: **COUNTY OF KERN, STATE OF CALIFORNIA.**

This CERTIFICATION meets the requirements of State Regulations and Guidelines based on National Fire Protection Association NFPA Title 329. This certification meets or exceeds certification standards set by the Federal, State, and Local jurisdictional agencies.

Certification Date : **09/26/90**
Test Results Certified by : **HENSLEY BARBOUR (LIC # 1189)**
Recertification Date Recommended : **09/26/1991**

Certification Signature:

Hensley Barbour Jr

HENSLEY BARBOUR
1189

N D E E N V I R O N M E N T A L C O R P .

**** CERTIFICATE OF UNDERGROUND STORAGE TANK INTEGRITY ****

PRECISION VOLUMETRIC QUANTITATIVE LEAK TEST

The following underground storage tank system has been tested and is certified within the allowable limit of NFPA Title 329 at: **the full system level.**

STATION NUMBER	TANK NUMBER	TANK CAPACITY	TANK CONTENTS
UNOCAL 4734	**10K UNL 87**	**10000**	**UNLEADED (87)**

TANK LOCATION: **UNOCAL SERVICE STATION 4734**
HIGHWAY 99 & GRAPEVINE
LEBEC, CA 93243

TANK OWNER: **UNOCAL CORPORATION**

NDE ENVIRONMENTAL CORP. is authorized to test and certify this tank by the: **COUNTY OF KERN, STATE OF CALIFORNIA.**

This CERTIFICATION meets the requirements of State Regulations and Guidelines based on National Fire Protection Association NFPA Title 329. This certification meets or exceeds certification standards set by the Federal, State, and Local jurisdictional agencies.

Certification Date : **09/26/90**
Test Results Certified by : **HENSLEY BARBOUR (LIC # 1189)**
Recertification Date Recommended : **09/26/1991**

Certification Signature:

Hensley Barbour Jr

HENSLEY BARBOUR
1189

CAPACITY 10000 GAL
STAT # UNOCAL 4734
TANK # 10K UNL 87
TEST DATE: 09/26/90

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PAGE 1

1.	Owner of storage tanks	UNOCAL CORPORATION
	Company Representative	TONY YAP
	Title	MAINTENANCE REPRESENTATIVE
2.	Mailing address of owner	2000 CROW CANYON PLACE, SUITE 400 SAN RAMON, CA 94583
3.	Phone of owner	(415) 277-2310
4.	Station number	UNOCAL 4734
5.	Location name for tanks	UNOCAL SERVICE STATION 4734
	Location address for tanks	HIGHWAY 99 & GRAPEVINE LEBEC, CA 93243
	Location phone number	(805) 327-2903
	Operator of location	UNOCAL CORPORATION
6.	Regulatory Agency	COUNTY OF KERN, STATE OF CALIFORNIA
7.	Tank designation or ID #	10K UNL 87
8.	Date tank was tested	09/26/90
9.	Precision test performed	NDE VPLT COMPUTERIZED TANK LEAK TESTING SYSTEM
	Name of testing company	NDE ENVIRONMENTAL CORP.
	Mailing address of testing company	2909 OREGON CT., B-2 TORRANCE, CA 90503
	Testing company telephone	(213) 212-5244
10.	Technician conducting test	LLOYD MCVITTIE : Lloyd McVittie
	Test Certified by	HENSLEY BARBOUR : Hensley Barbour Jr
	License Number	1189
11.	Capacity of tank	10000 Gallons
12.	Tank construction material	UNKNOWN
13.	Testing liquid	UNLEADED (87)

14. A Full System test was performed. The system passed with the leak rate shown below.
A PRESSURE TEST WAS PERFORMED ON THE PRODUCT LINE AND INDICATED NO SIGNIFICANT LOSS OF PRESSURE. THE 'LEAK DETECTOR' WAS OPERATIONAL.

Allowable leak resolution of instrumentation or allowable change is in accordance with Regulations and Guidelines based on National Fire Protection Association NFPA Title 329.

MEASURED NUMERICAL LEAKAGE RATE IS: -0.004 GALLONS PER HOUR
LOSS (+) or GAIN (-).
This measurement is within the allowable limits established in NFPA 329 for a tight tank or tank system.

CAPACITY 10000 GAL
STAT # **UNOCAL 4734**
TANK # **10K UNL 87**
TEST DATE: **09/26/90**

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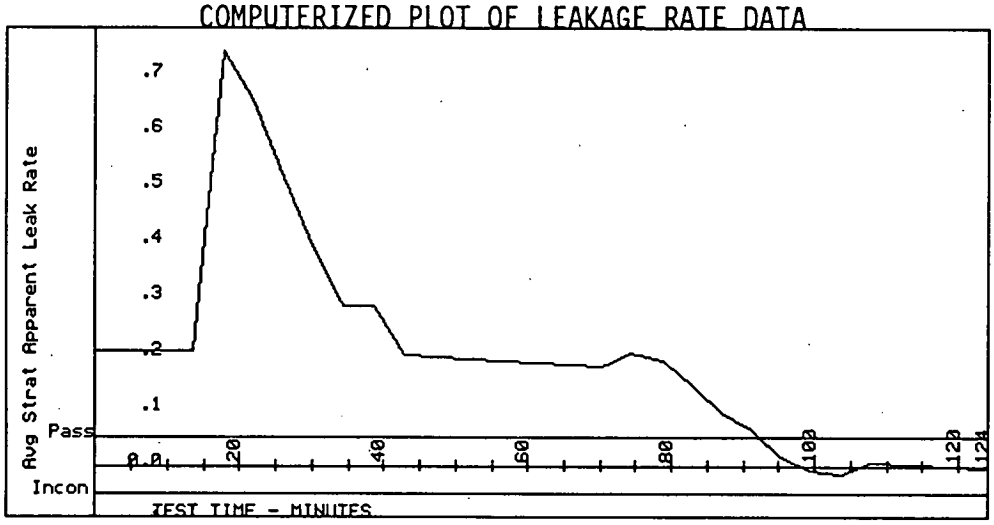
PAGE 2

PRINTOUT OF TANK SYSTEM LEAKAGE RATE DATA

Tank Owner - UNOCAL #4734
Tank Number - 10K UNLEADED
Measurement # 22
Date of Test = 09/25/1990

Time of measurement ..... =	15:54:07	
Tank Temperature ..... =	80.4383	Degrees F.
Tank Pressure ..... =	0.0059	PSI
Basic Tank Volume ********** =	10039.664	Gallons
Temperature Correction ******** =	133.439	Gallons
Pressure Correction ********** =	0.000	Gallons
Corrected Volume ********** =	10173.103	Gallons
Leak Rate Calculation Time .... =	01:20:44	
Geometry Band ..... =	0.004	Gallons/Hour
Total Fluid Level ..... =	124.4187	Inches
Volume Change ..... =	0.280	Gallons
Expected Level Change ..... =	0.3394	Inches
Avg Strat Volume Change ******* =	0.312	Gallons
Avg Strat Expected Level Change =	0.3787	Inches
Avg Strat Apparent Leak ******* =	-0.005	Gallons
Avg Strat Apparent Leak Rate ** =	-0.004	Gallons/Hour

COMPUTERIZED PLOT OF LEAKAGE RATE DATA



NDE ENVIRONMENTAL CORP. PROPRIETARY

System Accuracy (Standard Tank): 0.05gph = Pd>0.95/Pfa<0.05; 0.10gph = Pd>0.99/Pfa<0.01

NDE ENVIRONMENTAL CORP. 2909 OREGON CT., B-2 TORRANCE, CA 90503 (213) 212-5244

N D E E N V I R O N M E N T A L C O R P .

**** CERTIFICATE OF UNDERGROUND STORAGE TANK INTEGRITY ****

PRECISION VOLUMETRIC QUANTITATIVE LEAK TEST

The following underground storage tank system has been tested and is certified within the allowable limit of NFPA Title 329 at: the full system level.

STATION NUMBER	TANK NUMBER	TANK CAPACITY	TANK CONTENTS
UNOCAL 4734	10K SUP 92	10000	S/UNLEADED (92)

TANK LOCATION: UNOCAL SERVICE STATION 4734
HIGHWAY 99 & GRAPEVINE
LEBEC, CA 93243

TANK OWNER: UNOCAL CORPORATION

NDE ENVIRONMENTAL CORP. is authorized to test and certify this tank by the: COUNTY OF KERN, STATE OF CALIFORNIA.

This CERTIFICATION meets the requirements of State Regulations and Guidelines based on National Fire Protection Association NFPA Title 329. This certification meets or exceeds certification standards set by the Federal, State, and Local jurisdictional agencies.

Certification Date : 09/26/90
Test Results Certified by : HENSLEY BARBOUR (LIC # 1189)
Recertification Date Recommended : 09/26/1991

Certification Signature:

Hensley Barbour Jr

HENSLEY BARBOUR
1189

CAPACITY 10000 GAL
STAT # UNOCAL 4734
TANK # 10K SUP 92
TEST DATE: 09/26/90

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PAGE 1

1.	Owner of storage tanks	UNOCAL CORPORATION
	Company Representative	TONY YAP
	Title	MAINTENANCE REPRESENTATIVE
2.	Mailing address of owner	2000 CROW CANYON PLACE, SUITE 400 SAN RAMON, CA 94583
3.	Phone of owner	(415) 277-2310
4.	Station number	UNOCAL 4734
5.	Location name for tanks	UNOCAL SERVICE STATION 4734
	Location address for tanks	HIGHWAY 99 & GRAPEVINE LEBEC, CA 93243
	Location phone number	(805) 327-2903
	Operator of location	UNOCAL CORPORATION
6.	Regulatory Agency	COUNTY OF KERN, STATE OF CALIFORNIA
7.	Tank designation or ID #	10K SUP 92
8.	Date tank was tested	09/26/90
9.	Precision test performed	NDE VPLT COMPUTERIZED TANK LEAK TESTING SYSTEM
	Name of testing company	NDE ENVIRONMENTAL CORP.
	Mailing address of testing company	2909 OREGON CT., B-2 TORRANCE, CA 90503
	Testing company telephone	(213) 212-5244
10.	Technician conducting test	LLOYD MCVITTIE : Lloyd McVittie
	Test Certified by	HENSLEY BARBOUR : Hensley Barbour Jr
	License Number	1189
11.	Capacity of tank	10000 Gallons
12.	Tank construction material	UNKNOWN
13.	Testing liquid	S/UNLEADED (92)

14. A Full System test was performed. The system passed with the leak rate shown below.
A PRESSURE TEST WAS PERFORMED ON THE PRODUCT LINE AND INDICATED NO SIGNIFICANT LOSS OF PRESSURE. THE 'LEAK DETECTOR' WAS OPERATIONAL.

Allowable leak resolution of instrumentation or allowable change is in accordance with Regulations and Guidelines based on National Fire Protection Association NFPA Title 329.

MEASURED NUMERICAL LEAKAGE RATE IS: +0.027 GALLONS PER HOUR
LOSS (+) or GAIN (-).
This measurement is within the allowable limits established in NFPA 329 for a tight tank or tank system.

CAPACITY 10000 GAL
STAT # UNOCAL 4734
TANK # 10K SUP 92
TEST DATE: 09/26/90

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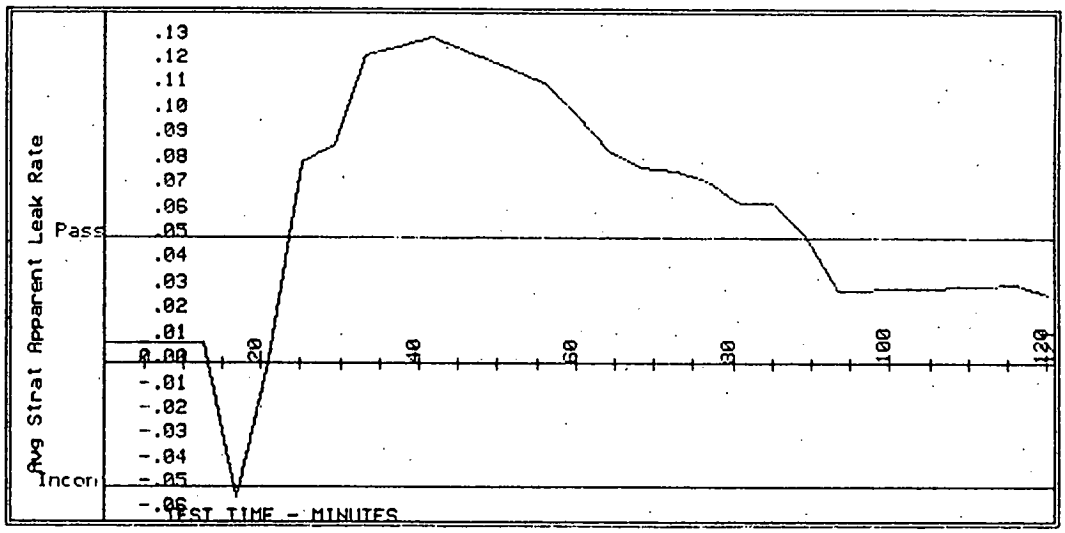
PRINTOUT OF TANK SYSTEM LEAKAGE RATE DATA

Tank Owner	=	UNOCAL #4734
Tank Number	=	10K SUPER UNLEADED
Measurement #	=	23
Date of Test	=	09/26/1990
Time of Last Measurement	=	16:24:11
Tank Temperature	=	83.578 Degrees F.
Tank Pressure	=	.110 PSI
Basic Tank Volume **********	=	10001.894 Gallons
Temperature Correction ********	=	145.106 Gallons
Pressure Correction **********	=	.006 Gallons
Corrected Volume **********	=	10147.006 Gallons
Leak Rate Calculation Time	=	01:00:09
Geometry Band	=	.008 Gallons/Hour
Total Fluid Level	=	119.393 Inches
Avg Measured Level Change	=	.383 Inches
Avg Strat Volume Change *******	=	.390 Gallons
Avg Strat Expected Level Change	=	.412 Inches
Avg Strat Apparent Leak *******	=	.027 Gallons
Avg Strat Apparent Leak Rate **	=	.027 Gallons/Hour

COMPUTERIZED PLOT OF LEAKAGE RATE DATA



N D E E N V I R O N M E N T A L C O R P .

**** CERTIFICATE OF UNDERGROUND STORAGE TANK INTEGRITY ****

PRECISION VOLUMETRIC QUANTITATIVE LEAK TEST

The following underground storage tank system has been tested and is certified within the allowable limit of NFPA Title 329 at: **the full system level.**

STATION NUMBER	TANK NUMBER	TANK CAPACITY	TANK CONTENTS
UNOCAL 4734	**10K DIESEL**	**10000**	**DIESEL FUEL**

TANK LOCATION: **UNOCAL SERVICE STATION 4734**
HIGHWAY 99 & GRAPEVINE
LEBEC, CA 93243

TANK OWNER: **UNOCAL CORPORATION**

NDE ENVIRONMENTAL CORP. is authorized to test and certify this tank by the: **COUNTY OF KERN, STATE OF CALIFORNIA.**

This CERTIFICATION meets the requirements of State Regulations and Guidelines based on National Fire Protection Association NFPA Title 329. This certification meets or exceeds certification standards set by the Federal, State, and Local jurisdictional agencies.

Certification Date : **09/26/90**
Test Results Certified by : **HENSLEY BARBOUR (LIC # 1189)**
Recertification Date Recommended : **09/26/1991**

Certification Signature:

Hensley Barbour Jr
HENSLEY BARBOUR
1189

CAPACITY 10000 GAL
STAT # UNOCAL 4734
TANK # 10K DIESEL
TEST DATE: 09/26/90

PRECISION UNDERGROUND TANK TESTING RESULT Patented
SHORT REPORT FORM @Copyright 1985-1990
PAGE 1

1.	Owner of storage tanks	UNOCAL CORPORATION
	Company Representative	TONY YAP
	Title	MAINTENANCE REPRESENTATIVE
2.	Mailing address of owner	2000 CROW CANYON PLACE, SUITE 400 SAN RAMON, CA 94583
3.	Phone of owner	(415) 277-2310
4.	Station number	UNOCAL 4734
5.	Location name for tanks	UNOCAL SERVICE STATION 4734
	Location address for tanks	HIGHWAY 99 & GRAPEVINE LEBEC, CA 93243
	Location phone number	(805) 327-2903
	Operator of location	UNOCAL CORPORATION
6.	Regulatory Agency	COUNTY OF KERN, STATE OF CALIFORNIA
7.	Tank designation or ID #	10K DIESEL
8.	Date tank was tested	09/26/90
9.	Precision test performed	NDE VPLT COMPUTERIZED TANK LEAK TESTING SYSTEM
	Name of testing company	NDE ENVIRONMENTAL CORP.
	Mailing address of testing company	2909 OREGON CT., B-2 TORRANCE, CA 90503
	Testing company telephone	(213) 212-5244
10.	Technician conducting test	LLOYD MCVITTIE : Lloyd McVittie
	Test Certified by	HENSLEY BARBOUR : Hensley Barbour Jr
	License Number	1189
11.	Capacity of tank	10000 Gallons
12.	Tank construction material	UNKNOWN
13.	Testing liquid	DIESEL FUEL

14. A Full System test was performed. The system passed with the leak rate shown below.
A PRESSURE TEST WAS PERFORMED ON THE PRODUCT LINE AND INDICATED NO SIGNIFICANT LOSS OF PRESSURE. THE 'LEAK DETECTOR' WAS OPERATIONAL.

Allowable leak resolution of instrumentation or allowable change is in accordance with Regulations and Guidelines based on National Fire Protection Association NFPA Title 329.

MEASURED NUMERICAL LEAKAGE RATE IS: +0.017 GALLONS PER HOUR
LOSS (+) or GAIN (-).
This measurement is within the allowable limits established in NFPA 329 for a tight tank or tank system.

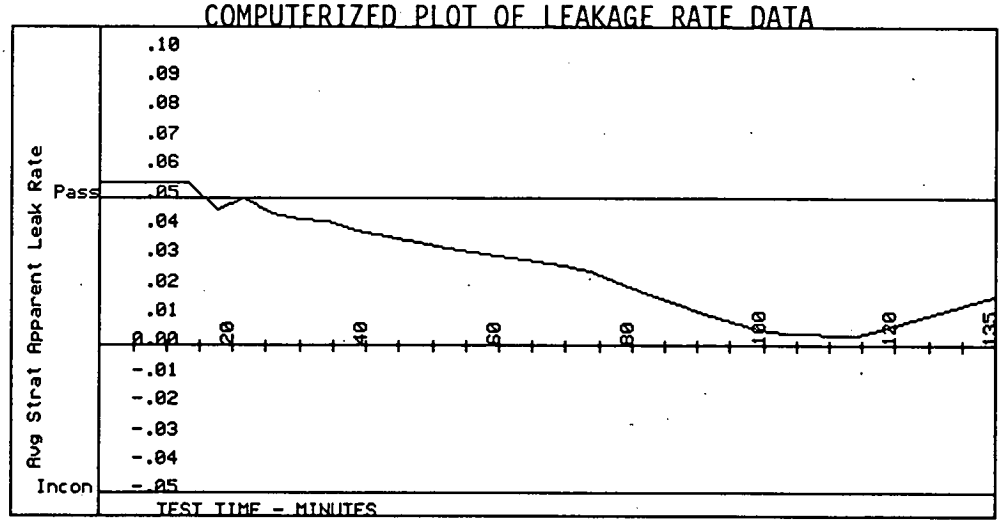
CAPACITY 10000 GAL **PRECISION UNDERGROUND TANK TESTING RESULT** Patented
STAT # **UNOCAL 4734** SHORT REPORT FORM @Copyright 1985-1990
TANK # **10K DIESEL** PAGE 2
TEST DATE: 09/26/90

PRINTOUT OF TANK SYSTEM LEAKAGE RATE DATA

Tank Owner - UNOCAL #4734
Tank Number - 10K DIESEL
Measurement # 22
Date of Test = 09/25/1990

Time of measurement	=	16:07:52	
Tank Temperature	=	79.8617	Degrees F.
Tank Pressure	=	0.0049	PSI
Basic Tank Volume **********	=	10006.877	Gallons
Temperature Correction ********	=	91.004	Gallons
Pressure Correction **********	=	0.000	Gallons
Corrected Volume **********	=	10097.881	Gallons
Leak Rate Calculation Time	=	01:01:11	
Geometry Band	=	0.004	Gallons/Hour
Total Fluid Level	=	130.8730	Inches
Volume Change	=	0.221	Gallons
Expected Level Change	=	1.2874	Inches
Measured Level Change *********	=	0.8730	Inches
Primary Apparent Leak *********	=	0.0712	Gallons
Primary Apparent Leak Rate ****	=	0.070	Gallons/Hour
Strat Expected Level Change ***	=	1.2402	Inches
Strat Apparent Leak **********	=	0.0631	Gallons
Strat Apparent Leak Rate ******	=	0.062	Gallons/Hour

COMPUTERIZED PLOT OF LEAKAGE RATE DATA



NDE ENVIRONMENTAL CORP. PROPRIETARY

System Accuracy (Standard Tank): 0.05gph = Pd>0.95/Pfa<0.05; 0.10gph = Pd>0.99/Pfa<0.01

NDE ENVIRONMENTAL CORP. 2909 OREGON CT., B-2 TORRANCE, CA 90503 (213) 212-5244

330097

HUNTER ENVIRONMENTAL SERVICES, INC.
18350 MT. LANGLEY STREET, SUITE 101
FOUNTAIN VALLEY, CA 92708
800-247-9014 800-247-2186

CT 33

FINAL TEST RESULTS
TEST DATE: 6/14/88

CUSTOMER: UNOCAL
ADDRESS: STAR ROUTE 1 BOX 24
LEBEC, CA

LOCATION/IDENTIFICATION NO.: 4734

TEST RESULTS SUMMARY

NO.	SYSTEM PRODUCT	TANK SIZE GALLONS	TANK SIZE DIA/MATL	WATER INCHES	LEAK LOKATOR RESULTS LEVEL INCHES	LEAK LOKATOR RESULTS ALR GPH	CONCLUSION	RECOMMENDATIONS
1	S/U	10000	95/ST	0	140	-.026	TIGHT	
2	U/L	10000	95/ST	0	160	+.004	TIGHT	
3	DIESEL	10000	95/ST	0	161	-.036	TIGHT	
4	W/OIL	550	48/ST	0	89	-.011	TIGHT	

PRODUCT LINES - HYDROSTATIC PRESSURE TEST RESULTS

NO.	SYSTEM PRODUCT	TYPE OF PUMP REMOTE	TYPE OF PUMP SUCTION	POUNDS APPLIED	POUNDS HELD	MINUTES HELD	PRODUCT LOSS CC's	PRODUCT LOSS GPH	CONCLUSION /RESULT
1	S/U	RED JACKET		50		10			PASS
2	U/L	RED JACKET		50		10			PASS
3	DIESEL	RED JACKET		50		10			PASS

NOTE: On suction systems, NEVER put more than 15 psi on any pump system.

DETAIL OF TEST RESULTS

NO.	SYSTEM PRODUCT	TEST NO.	TEST LEVEL (IN.)	TIME CLOCK STATE	TIME DURATION (HR-MIN)	LEAK RATE CC/DIV	LEAK RATE CC/MIN	TEMPERATURE COMPENSATION DELTA oF	TEMPERATURE COMPENSATION CC/MIN	ABSOLUTE LEAK RATE CC/MIN	ABSOLUTE LEAK RATE GPH	CHECK TEST Y/N
1	S/U	1	140	6:35	:42	2.158	+11.196	+.037	+12.872	-1.676	-.026	N
2	U/L	1	160	9:20	:42	1.960	-8.056	-.020	-8.364	+.308	+.004	N
3	DIESEL	1	161	4:40	:30	2.083	+.560	+.010	+2.838	-2.278	-.036	N
4	W/OIL	1	89	2:00	:30	1.020	+.663	+.113	+1.372	-.708	-.011	N

*LEVEL - Inches from Tank Bottom to Test Level
ALR - Absolute Leak Rate (Measured Leak Rate - Temperature Compensation) in Gallons Per Hour
CONCLUSION - NFPA 329 criterion of +/- 0.05 GPA is used to certify tightness

CERTIFIED

CERTIFICATION

This is to certify that the above tank systems were tested, using the HUNTER ENVIRONMENTAL SERVICES, INC. LEAK LOKATOR according to all standard operating procedures. Those indicated as tight at full system meet the criterion established by the National Fire Protection Association Pamphlet 329 for Precision Testing.

Tests Conducted and Certified By: Test Van No. 19
Team Manager: E. GULLY
Tank Testing Specialist: C. HILL

KERN COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
HAZARDOUS SUBSTANCES SECTION

1700 FLOWER STREET
BAKERSFIELD, CA 93305
PHONE (805) 861-3636

INSPECTION RECORD

POST CARD AT JOBSITE

UNOCAL #4734 330097 UNOCAL CORPORATION

FACILITY PERMIT #	OWNER
ADDRESS Hwy. 99 & Grapevine	ADDRESS 2175 N. California Blvd.
CITY Lebec, CA	CITY Walnut Creek, CA
PHONE NO. (805) 327-2903	

INSTRUCTIONS: Please call for an inspector only when each group of inspections with the same number are ready. They will run in consecutive order beginning with number 1. DO NOT cover work for any numbered group until all items in that group are signed off by the Permitting Authority. Following these instrutions will reduce the number of required inspection visits and therefore prevent assessment of additional fees.

- TANKS & BACKFILL -

	INSPECTION	DATE	INSPECTOR
	Backfill of Tank(s)		
	Spark Test Certification		
	Cathodic Protection of Tank(s)		

- PIPING SYSTEM -

	Piping & Raceway w/Collection Sump		
	Corrosion Protection of Piping, Joints, Fill Pipe		
	Electrical Isolation of Piping From Tank(s)		
	Cathodic Protection System-Piping		

- SECONDARY CONTAINMENT, OVERFILL PROTECTION, LEAK DETECTION -

	Liner Installation - Tank(s)		
	Liner Installation - Piping		
	Vault With Product Compatible ~~Sealer~~		
1	Level Gauges or Sensors, (Float Vent Valves)	12-20-89	B. Leveide
1	Product Compatible Fill Box(es)	12-20-89	B. Leveide
	Product Line Leak Detector(s)		
	Leak Detector(s) for Annular Space-D.W. Tank(s)		
	Monitoring Well(s)/Sump(s)		
	Leak Detection Device(s) For Vadose/Groundwater		
1	Expose piping - repaired Vent+Vapor	12-20-89	B. Leveide

- FINAL -

	Monitoring Wells, Caps & Locks		
	Fill Box Lock		
	Monitoring Requirements		

CONTRACTOR Liquid Construction, Inc. LICENSE # 517079
CONTACT Mark PH # (209) 688-1980

GARY J. WICKS
Agency Director
(805) 861-3502

STEVE McCALLEY
Director

2700 M Street, Suite 300
Bakersfield, CA 93301
Telephone (805) 861-3636
Telecopier (805) 861-3429

RESOURCE MANAGEMENT AGENCY

DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES

PERMIT TO CONSTRUCT UNDERGROUND STORAGE FACILITY

PERMIT NUMBER 330097

FACILITY NAME/ADDRESS:	**OWNER(S) NAME/ADDRESS:**	**CONTRACTOR:**
Unocal #4734 Hwy. 99 & Grapevine Lebec, CA 93243	Unocal Corporation 2175 N. California Blvd. Walnut Creek, CA 94596	Liquid Construction, Inc. 1054 N. "J" Street Tulare, CA 93274
	PHONE #	**LICENSE NO.** 517079 **PHONE #**

___ NEW ADDRESS
___ CHANGE OWNERSHIP
___ RENEWAL
X MODIFICATION
___ OTHER

PERMIT EXPIRES January 12, 1990

APPROVAL DATE October 12, 1989

APPROVED BY Laurel Funk
Laurel Funk
Hazardous Materials Specialist

POST ON PREMISES

CONDITIONS AS FOLLOWS:
Standard Instructions

1. This permit applies only to the modification of an existing facility involving installation of overfill containers, extractors. make any repairs vapor and or vent lines.
2. All construction to be as per facility plans approved by this department and verified by inspection by Permitting Authority.
3. All equipment and materials in this construction must be installed in accordance with all manufacturers' specifications.
4. Permittee must contact Permitting Authority for on-site inspection(s) with 48-hour advance notice.
5. Construction inspection record card is included with permit given to Permittee. This card must be posted at jobsite prior to initial inspection. Permittee must contact Permitting Authority and arrange for each group of required inspections numbered as per instruction on card. Generally, inspections will be made of:
   a. Tank and backfill
   b. Overfill protection and leak detection/monitoring
   c. Electrical conduits associated with the tank.
   d. Any other inspection deemed necessary by Permitting Authority.
6. All underground metal connections (e.g. piping, fitting, fill pipes) to tank(s) must be electrically isolated, and wrapped to a minimum 20 mil thickness with corrosion-preventive, gasoline-resistant tape or otherwise protected from corrosion.

ACCEPTED BY Mailed DATE 10/27/89

LF:cd
funk\330097.ptc

LCI LIQUID CONSTRUCTION, INC.

October 10, 1989
143/C.1
89-0182

Laurel Funk
Kern County Environmental Health
2700 "M" Street, Suite 300
Bakersfield, CA 93301

Re: Unocal #4734, Hwy. 99 & Grapevine, Lebec

Dear Laurel:

The manufacturer and model of overspill containment and extractor assemblies to be installed at the above-referenced location are as follows:

The Overspill Containers are OPW No. 1
The Extractors are OPW 233VM

If you have any further questions, please do not hesitate to contact me at (209)688-1980.

Respectfully Submitted,

Mark B. Yamamoto
Project Coordinator

MBY/pla

ENVIRONMENTAL HEALTH DEPARTMENT
2700 "M" STREET, STE
BAKERSFIELD, CA 93301

Permit No. 330097-2
Application Date 10-9-89

APPLICATION FOR PERMIT TO OPERATE UNDERGROUND HAZARDOUS SUBSTANCES STORAGE FACILITY

Type Of Application (check):
☐ New Facility ☑ Modification Of Facility ☑ Existing Facility ☐ Transfer Of Ownership

A. Emergency 24-Hour Contact (name, area code, phone): Days R J ROSE 805-327-2903
Nights SAME

Facility Name UNOCAL #4734 No. Of Tanks 3
Type Of Business (check): ☑ Gasoline Station ☐ Other (describe) _____
Is Tank(s) Located On An Agricultural Farm? ☐ Yes ☑ No
Is Tank(s) Used Primarily For Agricultural Purposes? ☐ Yes ☑ No
Facility Address HWY 99 & GRAPEVINE Nearest Cross St. _____
T _____ R _____ SEC _____ (Rural Locations Only)
Owner UNOCAL CORPORATION Contact Person TONY TAP
Address 2175 N. CALIFORNIA BLVD., WALNUT CREEK Zip 94596 Telephone 415-945-7676
Operator R J ROSE Contact Person SAME
Address HWY 99 & GRAPEVINE Zip 93243 Telephone 805-327-2903

B. Water To Facility Provided By N/A Depth to Groundwater _____
Soil Characteristics At Facility _____
Basis For Soil Type and Groundwater Depth Determinations _____

C. Contractor LIQUID CONSTRUCTION INC. CA Contractor's License No. A/B 517079
Address 1054 N. "J" ST. TULARE Zip 93274 Telephone 209-688-1980
Proposed Starting Date 10/16/89 Proposed Completion Date 10/20/89
Worker's Compensation Certification No. ~~TOP 3462017~~ WC 3441913 Insurer ZURICH-AMERICAN

D. If This Permit Is For Modification Of An Existing Facility, Briefly Describe Modifications Proposed INSTALL OVERSPILL CONTAINERS, EXTRACTORS & MAKE NECESSARY REPAIRS ON THE VENT & VAPOR LINES

E. Tank(s) Store (check all that apply):

Tank #	Waste	Product	Motor Vehicle Fuel	Unleaded	Regular	Premium	Diesel	Waste Oil
1	☐	☑	☑	☑	☐	☐	☐	☐
2	☐	☑	☑	☐	☐	☑	☐	☐
3	☐	☑	☑	☐	☐	☐	☑	☐
_____	☐	☐	☐	☐	☐	☐	☐	☐

F. Chemical Composition Of Materials Stored (not necessary for motor vehicle fuels)
N/A

Tank #	Chemical Stored (non-commercial name)	CAS # (if known)	Chemical Previously Stored (if different)
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

G. Transfer Of Ownership
N/A
Date Of Transfer _____ Previous Owner _____
Previous Facility Name _____
I, _____ accept fully all obligations of Permit No. _____ issued to _____. I understand that the Permitting Authority may review and modify or terminate the transfer of the Permit to Operate this underground storage facility upon receiving this completed form.

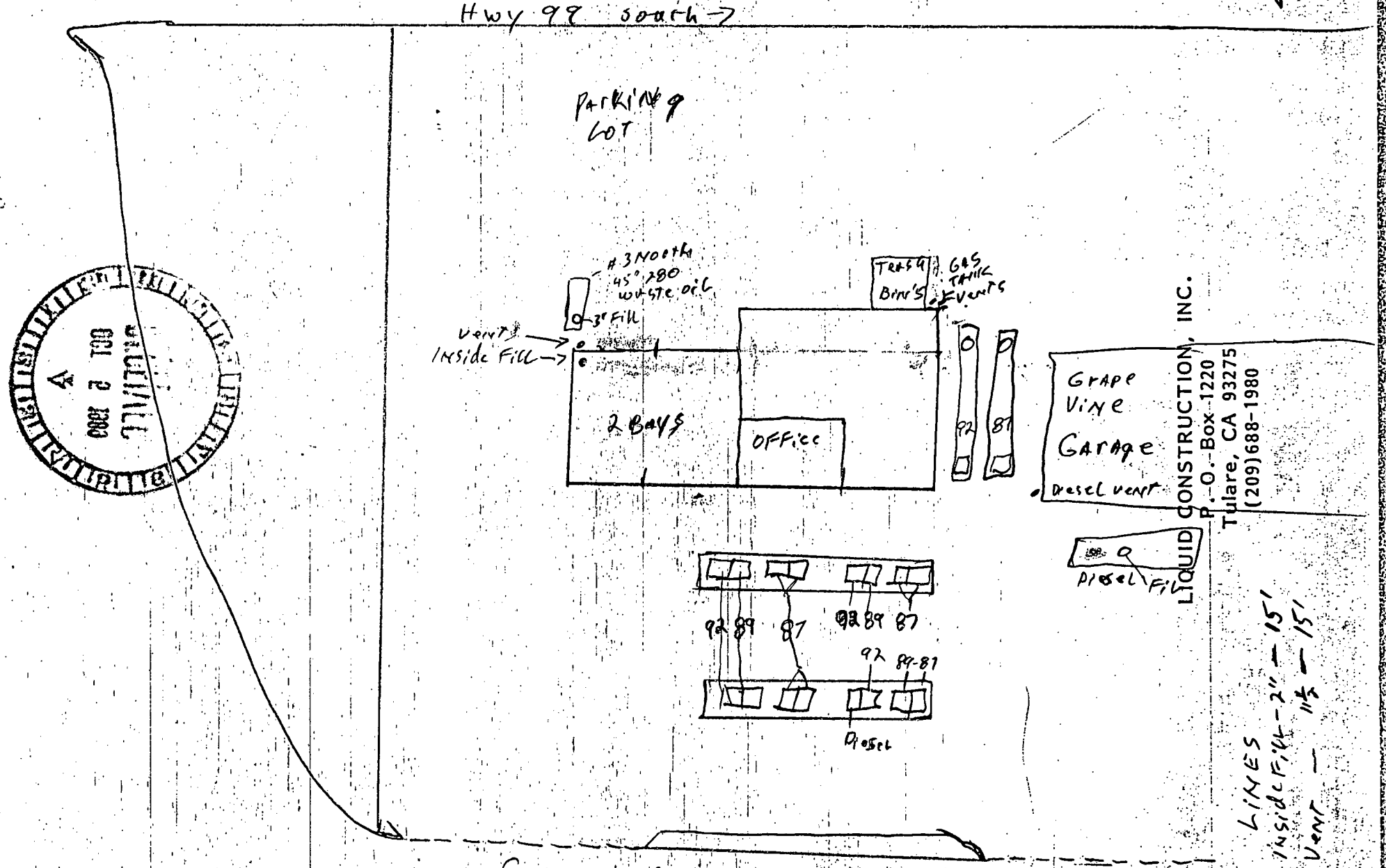
This form has been completed under penalty of perjury and to the best of my knowledge is true and correct.

Signature Mark B. Yamasaki Title PROJECT COORDINATOR Date 10/4/89

OCT 5 1989
RECEIVED

Unocal #4734 Hwy 99 & Grapevine Lebec, Ca.

Unocal #4734 Hwy 99 & Grapevine Lebec, Ca.

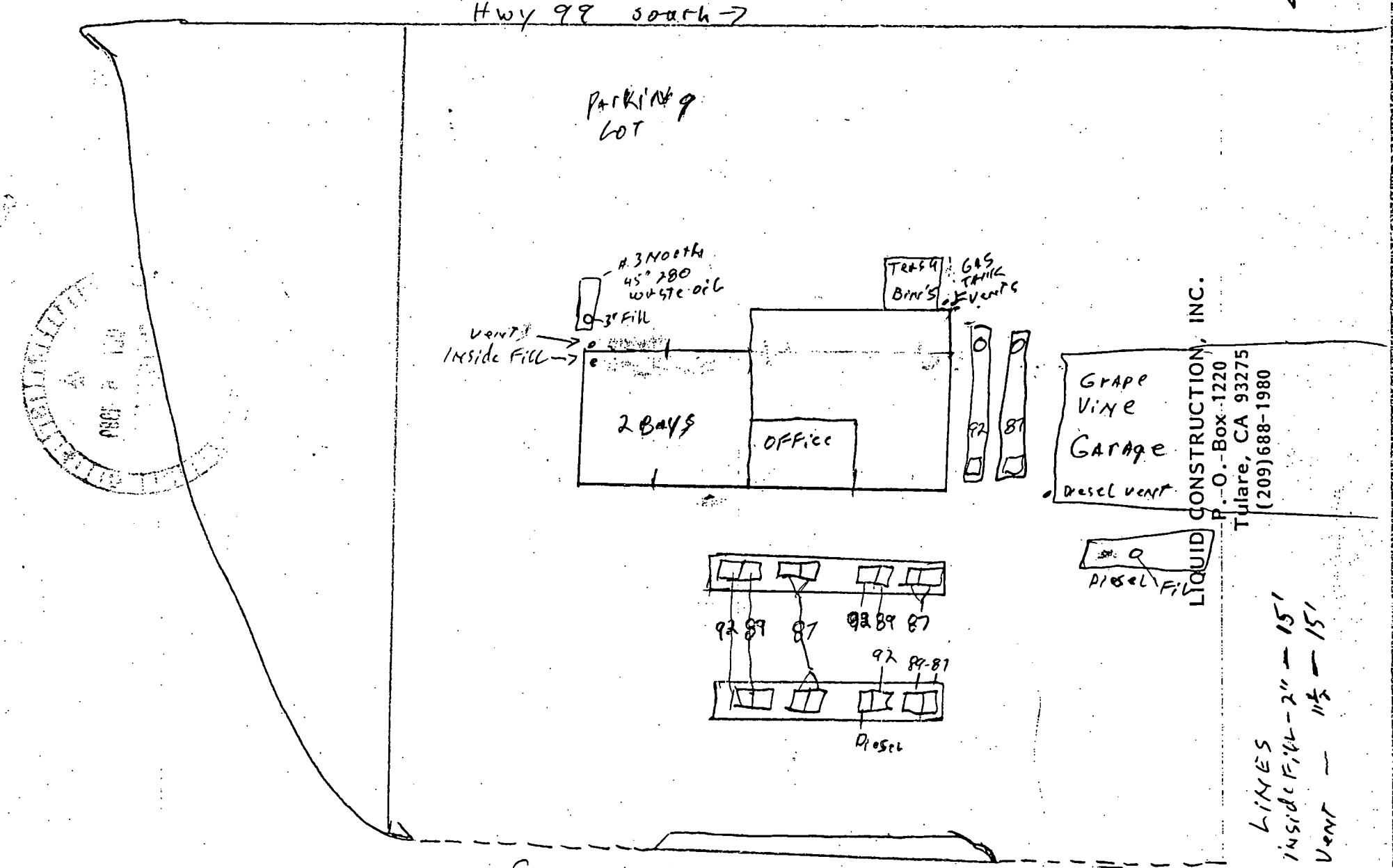


RECEIVED
OCT 2 1990
4

OCT 5 1989
RECEIVED

Unocal #4734 Hwy 99 & Grapevine Lebec, Ca.

Unocal #4734 Hwy 99 & Grapevine Lebec, Ca.



LIQUID CONSTRUCTION [redacted]
P.O. Box 1220
TULARE, CALIFORNIA 93275

(209) 688-1980

LETT[redacted] OF TRANSMITTAL

DATE	JOB NO.
10/4/89	89-0182

ATTENTION: DIANNE WILSON

RE: UNOCAL #4734
HWY 99 & GRAPEVINE
LEBEC

TO KERN COUNTY ENVIRONMENTAL HEALTH
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301

WE ARE SENDING YOU ☑ Attached ☐ Under separate cover via _____ the following items:

☑ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☑ APPLICATION & FEES

COPIES	DATE	NO.	DESCRIPTION
1	10/4/89		PERMIT APPLICATION
1	10/3/89	27085	FEE CHECK
1			FIELD PLOT PLAN

THESE ARE TRANSMITTED as checked below:

☑ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☑ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 19_____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS PLEASE FORWARD THIS FOR PROCESSING.
YOUR HELP IS GREATLY APPRECIATED. IF THERE ARE ANY QUESTIONS PLEASE CONTACT ME.

THANKS!

COPY TO _____

SIGNED: Mark B. Tamamoto
MARK B. TAMAMOTO

PRODUCT 240-3 NEBS Inc., Groton, Mass. 01471.

If enclosures are not as noted, kindly notify us at once.

LIQUID CONSTRUCTION,
P.O. Box 1220
TULARE, CALIFORNIA 93275

(209) 688-1980

330097

LETTER OF TRANSMITTAL

DATE 8/15/89	JOB NO.
ATTENTION	
RE: Petro Tite System Test Results	

TO Kern County Environmental Health
2700 "M" Street
Bakersfield, Ca. 93301

WE ARE SENDING YOU ☐ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
1			Unocal #4734, Hwy 99 & Grapevine, Lebec, Ca.

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 19 _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

COPY TO _____

SIGNED: Barrett Fagundes

PRODUCT 240-3 NEBS Inc., Groton, Mass. 01471.

If enclosures are not as noted, kindly notify us at once.

LCI LIQUID CONSTRUCTION, INC.

August 2, 1989

RECEIVED
AUG 16 1989
ENVIRONMENTAL HEALTH

Tony Yap
Unocal Corporation
2175 N. California Blvd.
Walnut Creek, Ca. 94596

Re: Unocal #4734, Hwy 99 & Grapevine, Lebec, Ca.

Dear Mr. Yap

On July 20, 1989 a Petro Tite System Test was performed at the above-referenced location. The test was performed by George Yarbrough, LCI Technician. The NFPA Code 329.02 criteria for a tight system is a maximum loss of .05 gallons per hour. Because of the almost infinite variables involved, this is not intended to be a mathematical tolerance and is not the permission of actual leakage.

During the stand-pipe test procedure the internal liquid hydrostatic pressure applied to the underground tank system is generally two to three times greater than normal liquid storage pressures. This increase in hydrostatic pressure will amplify the indicated rate of leak accordingly.

SYSTEM TEST
Tank No. 3 - North
Size - 280 gallons
Product - Waste Oil
The test showed a minus .009 gallons per hour. Based on the above criteria, we find the tank tested mathematically tight.

This concludes our test and findings. If you have any questions regarding the results, please contact me. For your convenience a copy of the test results has been sent to the County.

We have enjoyed working with you on this project. If you need any further information, please feel free to call.

Regards,

Johnny A. Enos Jr.
Tank Testing Coordinator

JAEJ/amf
enclosure

Data Chart for Tank System Tightness Test

3384

PLEASE PRINT

1. OWNER Property ☐ Tank(s) ☐

Name	Address	Representative	Telephone
Unocal Corporation	2175 N. California Blvd.	Walnut Creek, Ca.	94596
Unocal Corporation	2175 N. California Blvd.	Walnut Creek, Ca.	94596

2. OPERATOR

Name	Address	Telephone
Unocal #4734	Hwy 99 & Grapevine Lebec, Ca.	805-327-2903

3. REASON FOR TEST (Explain Fully)

To test system for tightness

4. WHO REQUESTED TEST AND WHEN

Name	Title	Company or Affiliation	Date
Tony Yap			7/20/89

Name	Address	Telephone
Unocal Corporation	2175 N. California Blvd. Walnut Creek, Ca.	94596

5. TANK INVOLVED Use additional lines for manifolded tanks

Identify by Direction	Capacity	Brand/Supplier	Grade	Approx. Age	Steel/Fiberglass
#3 North	280	UNKNOWN	WASTE OIL	UNKNOW	STEEL

6. INSTALLATION DATA

Location	Cover	Fills	Vents	Siphones	Pumps
North EAST Rear of STATION	Concrete	1-3"	1-1½	NONE	NONE
North inside driveway, Rear of station, etc.	Concrete, Black Top, Earth, etc.	Size, Titefill make, Drop tubes, Remote Fills	Size, Manifolded	Which tanks?	Suction, Remote, Make if known

7. UNDERGROUND WATER

Depth to the Water table: Below 100

Is the water over the tank? ☐ Yes ☒ No

8. FILL-UP ARRANGEMENTS

Tanks to be filled _____ hr. _____ Date Arranged by _____ Name Telephone

Extra product to "top off" and run tank tester. How and who to provide? Consider NO Lead.

Terminal or other contact for notice or inquiry _____ Company Name Telephone

9. CONTRACTOR, MECHANICS, any other contractor involved

10. OTHER INFORMATION OR REMARKS

Additional information on any items above. Officials or others to be advised when testing is in progress or completed. Visitors or observers present during test, etc.

11. TEST RESULTS

Tests were made on the above tank systems in accordance with test procedures prescribed for as detailed on attached test charts with results as follows:

Tank Identification	Tight	Leakage Indicated	Date Tested
#3 NORTH	YES	-.009	7-20-89

12. SENSOR CERTIFICATION

7-20-89 Date

892 Serial No. of Thermal Sensor

13. This is to certify that these tank systems were tested on the date(s) shown. Those indicated as "Tight" meet the criteria established by the National Fire Protection Association Pamphlet 329.

Technicians

1. George Yarbrough Certification # 111491632

2. _____ Certification # _____

Liquid Construction, Inc. George Yarbrough
Testing Contractor or Company. By: Signature

P.O. Box 1220 Tulare, Ca. 93275
Address

DN6927

14. Unocal #4734 | Hwy 99 & Grapevine | Lebec, Ca. | 7/20/89

Name of Supplier, Owner or Dealer | Address No. and Street(s) | City | State | Date of Test

15. TANK TO TEST

A3 North
Identity by position

WASTE OIL
Brand and Grade

15a. BRIEF DIAGRAM OF TANK FIELD

16. CAPACITY

Nominal Capacity 280 Gallons

By most accurate capacity chart available 276 Gallons

From
- ☐ Station Chart
- ☒ Tank Manufacturer's Chart
- ☐ Company Engineering Data
- ☐ Charts supplied with
- ☐ Other

17. FILL-UP FOR TEST

Stick Water Bottom before Fill-up — Ø to ⅛" in. — Ø Gallons — 45 Tank Diameter in.

	Gallons	Total Gallons ea. Reading
Inventory	276	276
WATER	Ø	Ø
TOP OFF	4	4
	280	280

Transfer total to line 25a

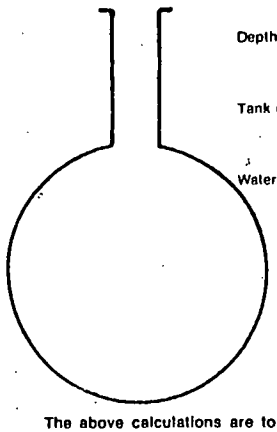
18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK ☐ Water in tank ☐ Line(s) being tested with LVLLT ☐ High water table in tank excavation

See manual sections applicable. Check below and record procedure in log (27).

Use maximum allowable test pressure for all tests.
Four pound rule does not apply to doublewalled tanks.

Complete section below:

1. Is four pound rule required? Yes ☐ No ☒
2. Height to 12" mark from bottom of tank 134 in.
3. Pressure at bottom of tank 4.154 P.S.I.
4. Pressure at top of tank 89" 2.759 P.S.I.



Depth of burial 97 in.
Tank dia. 45 in.
Water table Below 100 in.

NOTES:

The above calculations are to be used for dry soil conditions to establish a positive pressure advantage, or when using the four pound rule to compensate for the presence of subsurface water in the tank area.

Refer to N.F.P.A. 30, Sections 2-3.2.4 and 2-7.2 and the tank manufacturer regarding allowable system test pressures.

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY

Bottom of tank to grade* 97 in.
Add 30" for "T" probe assy. 30 in.
Total tubing to assemble — approximate 127 in.

20. EXTENSION HOSE SETTING

Tank top to grade* 52 in.
Extend hose on suction tube 6" or more below tank top 60 in.

*If Fill pipe extends above grade, use top of fill.

22. Thermal-Sensor reading after circulation 190080 digits
892 80/81 Between °F
23. Digits per °F in range of expected change 314 digits

COEFFICIENT OF EXPANSION (Complete after circulation)

24a. Corrected A.P.I. Gravity

Observed A.P.I. Gravity
Hydrometer employed H
Observed Sample Temperature °F
Corrected A.P.I. Gravity @ 60°F, From Table A
Coefficient of Expansion for Involved Product From Table B
Transfer COE to Line 25b.

21. VAPOR RECOVERY SYSTEM ☐ Stage I ☐ Stage II

24b. COEFFICIENT OF EXPANSION RECIPROCAL METHOD

Type of Product Diesel
Hydrometer Employed 54 H
Temperature in Tank After Circulation 19080 806 °F
Temperature of Sample 75.0 °F
Difference (+/-) −6 °F
Observed A.P.I. Gravity 33.2
Reciprocal 2187 Page # 37

280 (Total quantity in full tank (16 or 17)) × 2187 (Reciprocal) = .128029263 (Volume change in this tank per °F) Transfer to Line 26a.

24c. FOR TESTING WITH WATER see Table C & D

Water Temperature after Circulation Table C °F
Coefficient of Water Table D
Added Surfactant? ☐ Yes ☐ No Transfer COE to Line 25b.

25. (a) ____ (Total quantity in full tank (16 or 17)) × (b) ____ (Coefficient of expansion for involved product) = (c) ____ (Volume change in this tank per °F) gallons

26. (a) .128029263 (Volume change per °F (25 or 24b)) ÷ 314 (Digits per °F in test Range (23)) = .000407736 (Volume change per digit Compute to 4 decimal places.) This is test factor (a) .0004

(3) North 280 gallon Waste Oil Tank

CUSTOMER Unocal STATION NUMBER #4734 STATION ADDRESS Hwy 99 & Grapevine CITY/STATE Lebec, Ca. TEST DATE 7 / 20 / 89

SENSOR CALIBRATION 80 / 81

LOG OF TEST PROCEDURES			HYDROSTATIC PRESSURE CONTROL		VOLUME MEASUREMENTS (V) RECORD TO .001 GAL			TEMPERATURE COMPENSATION USE FACTOR (A)			NET VOLUME CHANGE EACH READING	ACCUMULATED CHANGE
			STANDPIPE LEVEL IN INCHES		PRODUCT IN GRADUATE		PRODUCT REPLACED				TEMPERATURE ADJUSTED	(LOW LEVEL)
DATE / TIME	RECORD DETAILS OF SETTING UP AND RUNNING TEST (USE FULL LENGTH OF LINE IF NEEDED)	READING NUMBER	BEGINNING OF READING	LEVEL TO WHICH RESTORED	BEFORE READING	AFTER READING	PRODUCT RECOVERED	THERMAL SENSOR READING	NET CHANGE	COMPUTATION OF EXPANSION OR CONTRACTION	VOLUME - EXP/CONTR	
14:30	Arrived at site: Took tank burial measurements: Checked for Water: Please note: In the vent air/vapor took inventory of product on hand: Prepared area for testing set up. Pockets were present in the tank/system. It could have an effect on the test readings.											
16:00	Delivery truck arrived: Assisted driver in filling tank. Set up test stand and started circulating pump, bled air.											
15.00	Minutes circulating time.											
	FACTOR = 0.0004											
16:15	FIRST HIGH LEVEL SENSOR READING					0.100		19,080				
16:30	CONTINUED HIGH LEVEL TEST	1	42.5	42.0	0.100	0.125	0.025	19,215	135	0.054	(0.029)	
16:45	CONTINUED HIGH LEVEL TEST	2	42.4	42.0	0.125	0.145	0.020	19,330	115	0.046	(0.026)	
17:00	CONTINUED HIGH LEVEL TEST	3	42.4	42.0	0.145	0.165	0.020	19,430	100	0.040	(0.020)	
17:15	CONTINUED HIGH LEVEL TEST	4	42.3	42.0	0.165	0.180	0.015	19,500	70	0.028	(0.013)	
	CONTINUED HIGH LEVEL TEST	5		42.0								
	CONTINUED HIGH LEVEL TEST	6		42.0								
	CONTINUED HIGH LEVEL TEST	7		42.0								
	CONTINUED HIGH LEVEL TEST	8		42.0								
	CONTINUED HIGH LEVEL TEST	9		42.0								
	CONTINUED HIGH LEVEL TEST	10										
	CONTINUED HIGH LEVEL TEST	11										
	CONTINUED HIGH LEVEL TEST	12										
	CONTINUED HIGH LEVEL TEST	13										
	FINISH HIGH LEVEL TEST	14										

(3) North 280 gallon Waste Oil Tank

CUSTOMER Unocal STATION NUMBER #4734 STATION ADDRESS Hwy 99 & Grapevine CITY/STATE Lebec, Ca. TEST DATE 7 / 20 / 89

SENSOR CALIBRATION 80 / 81

LOG OF TEST PROCEDURES			HYDROSTATIC PRESSURE CONTROL		VOLUME MEASUREMENTS (V) RECORD TO .001 GAL			TEMPERATURE COMPENSATION USE FACTOR (A)			NET VOLUME CHANGE EACH READING	ACCUMULATED CHANGE
			STANDPIPE LEVEL IN INCHES		PRODUCT IN GRADUATE		PRODUCT REPLACED					
DATE / TIME	RECORD DETAILS OF SETTING UP AND RUNNING TEST (USE FULL LENGTH OF LINE IF NEEDED)	READING NUMBER	BEGINNING OF READING	LEVEL TO WHICH RESTORED	BEFORE READING	AFTER READING	PRODUCT RECOVERED	THERMAL SENSOR READING	NET CHANGE	COMPUTATION OF EXPANSION OR CONTRACTION	TEMPERATURE ADJUSTED VOLUME - EXP/CONTR	(LOW LEVEL)
17:30	FIRST LOW LEVEL SENSOR READING			12.0		0.100		19,570				
17:45	CONTINUED LOW LEVEL TEST	1	12.9	12.0	0.100	0.145	0.045	19,635	65	0.026	0.019	
18:00	CONTINUED LOW LEVEL TEST	2	12.7	12.0	0.145	0.180	0.035	19,695	60	0.024	0.011	
	CONTINUED LOW LEVEL TEST	3										
	CONTINUED LOW LEVEL TEST	4										
	READINGS FORWARD							19,695				
18:05	CONTINUED LOW LEVEL TEST	1	12.2	12.0	0.180	0.190	0.010	19,715	20	0.008	0.002	0.002
18:10	CONTINUED LOW LEVEL TEST	2	12.2	12.0	0.190	0.200	0.010	19,735	20	0.008	0.002	0.004
18:15	CONTINUED LOW LEVEL TEST	3	12.2	12.0	0.200	0.210	0.010	19,755	20	0.008	0.002	0.006
18:20	CONTINUED LOW LEVEL TEST	4	12.2	12.0	0.210	0.220	0.010	19,775	20	0.008	0.002	0.008
18:25	CONTINUED LOW LEVEL TEST	5	12.2	12.0	0.220	0.230	0.010	19,795	20	0.008	0.002	0.010
18:30	CONTINUED LOW LEVEL TEST	6	12.1	12.0	0.230	0.235	0.005	19,813	18	0.007	(0.002)	0.008
18:35	CONTINUED LOW LEVEL TEST	7	12.1	12.0	0.235	0.240	0.005	19,831	18	0.007	(0.002)	0.006
18:40	CONTINUED LOW LEVEL TEST	8	12.1	12.0	0.240	0.245	0.005	19,849	18	0.007	(0.002)	0.004

(3) North 280 gallon Waste Oil tank

CUSTOMER Unocal STATION NUMBER #4734 STATION ADDRESS Hwy 99 & Grapevine CITY/STATE Lebec, Ca. TEST DATE 7 / 20 / 89

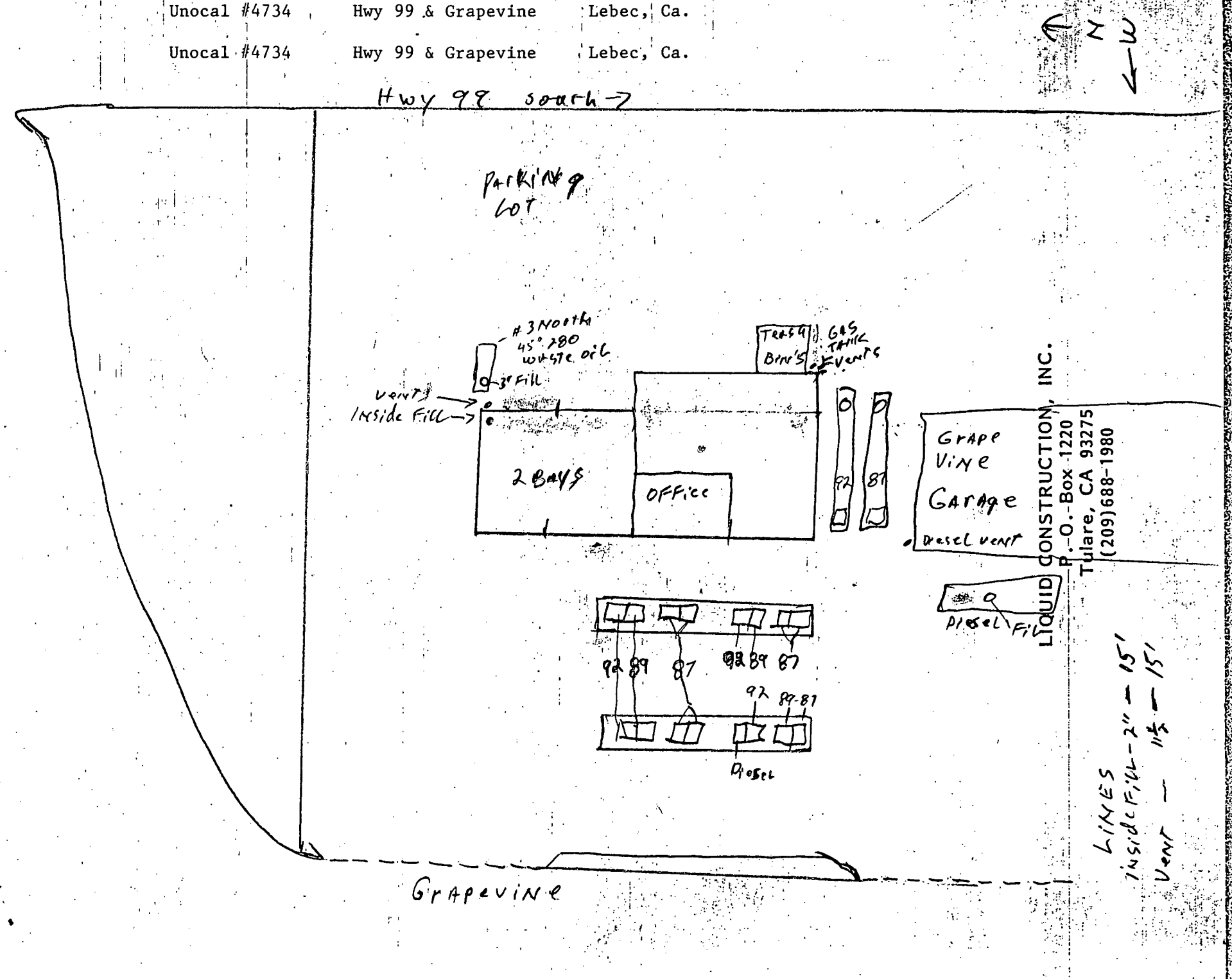
SENSOR CALIBRATION 80 / 81

LOG OF TEST PROCEDURES			HYDROSTATIC PRESSURE CONTROL		VOLUME MEASUREMENTS (V) RECORD TO .001 GAL			TEMPERATURE COMPENSATION USE FACTOR (A)			NET VOLUME CHANGE EACH READING	ACCUMULATED CHANGE
			STANDPIPE LEVEL IN INCHES		PRODUCT IN GRADUATE		PRODUCT REPLACED				TEMPERATURE ADJUSTED	
DATE / TIME	RECORD DETAILS OF SETTING UP AND RUNNING TEST (USE FULL LENGTH OF LINE IF NEEDED)	READING NUMBER	BEGINNING OF READING	LEVEL TO WHICH RESTORED	BEFORE READING	AFTER READING	PRODUCT RECOVERED	THERMAL SENSOR READING	NET CHANGE	COMPUTATION OF EXPANSION OR CONTRACTION	VOLUME - EXP/CONTR	(LOW LEVEL)
18:45	CONTINUED LOW LEVEL TEST	9	12.1	12.0	0.245	0.250	0.005	19,885	16	0.006	(0.001)	0.003
18:50	CONTINUED LOW LEVEL TEST	10	12.1	12.0	0.250	0.255	0.005	19,881	16	0.006	(0.001)	0.002
18:55	CONTINUED LOW LEVEL TEST	11	12.1	12.0	0.255	0.260	0.005	19,897	16	0.006	(0.001)	0.001
19:00	CONTINUED LOW LEVEL TEST	12	12.1	12.0	0.260	0.265	0.005	19,911	14	0.006	(0.001)	0.000
19:05	CONTINUED LOW LEVEL TEST	13	12.1	12.0	0.265	0.270	0.005	19,925	14	0.006	(0.001)	(0.001)
19:10	CONTINUED LOW LEVEL TEST	14	12.1	12.0	0.270	0.275	0.005	19,939	14	0.006	(0.001)	(0.002)
19:15	CONTINUED LOW LEVEL TEST	15	12.1	12.0	0.275	0.280	0.005	19,951	12	0.005	0.000	(0.002)
19:20	CONTINUED LOW LEVEL TEST	16	12.1	12.0	0.280	0.285	0.005	19,963	12	0.005	(0.000)	(0.002)
19:25	CONTINUED LOW LEVEL TEST	17	12.1	12.0	0.285	0.290	0.005	19,975	12	0.005	0.000	(0.002)
19:30	CONTINUED LOW LEVEL TEST	18	12.1	12.0	0.290	0.295	0.005	19,987	12	0.005	0.000	(0.002)
19:35	CONTINUED LOW LEVEL TEST	19	12.1	12.0	0.295	0.300	0.005	19,999	12	0.005	0.000	(0.002)
19:40	CONTINUED LOW LEVEL TEST	20	12.1	12.0	0.300	0.305	0.005	20,011	12	0.005	0.000	(0.002)
19:45	CONTINUED LOW LEVEL TEST	21	12.0	12.0	0.305	0.305		20,021	10	0.004	(0.004)	(0.006)
19:50	CONTINUED LOW LEVEL TEST	22	12.0	12.0	0.305	0.305		20,031	10	0.004	(0.004)	(0.010)
19:55	CONTINUED LOW LEVEL TEST	23	12.0	12.0	0.305	0.305		20,041	10	0.004	(0.004)	(0.014)
20:00	CONTINUED LOW LEVEL TEST	24	12.0	12.0	0.305	0.305		20,051	10	0.004	(0.004)	(0.018)
	CONTINUED LOW LEVEL TEST	25										(0.018)
	CONTINUED LOW LEVEL TEST	26										(0.013)
	CONTINUED LOW LEVEL TEST	27										(0.018)
	CONTINUED LOW LEVEL TEST	28										(0.018)

TESTED BY G. Yarbrough DATE 7 / 20 /89 TANK OWNER/OPERATOR Unocal Corporation DATE 8 / 2 / 89 ACCUMULATED CHANGE DIVIDED BY 2 (0.009)

Unocal #4734 Hwy 99 & Grapevine Lebec, Ca.

Unocal #4734 Hwy 99 & Grapevine Lebec, Ca.



Env. Health 6/29

CUSTOMER: UNOCAL DATE: 5-24-89 I.D. NO. [redacted]734

ADDRESS: HIGHWAY 99 GRAPEVINE
LEBEC, CA

330697C

TANK PERMIT # 851600(A)
002(A)

FINAL TEST RESULTS SUMMARY

NO.	SYSTEM PRODUCT	TANK SIZE GALLONS	TANK SIZE DIA/MATL	WATER INCHES	LEAK LOKATOR RESULTS LEVEL INCHES	ALR GPH	CONCLUSION	RECOMMENDATIONS
1	SU U/L	10,000	95/ST	0	155	+.026	PASS	
2	U/L	10,000	95/ST	0	143	-.470	FAIL	
					98	+.002	PASS	
3	DSL	10,000	92/FG	0	153	-.292	FAIL	
					112	-.034	PASS	

PRODUCT LINES - HYDROSTATIC PRESSURE TEST RESULTS

NO.	SYSTEM PRODUCT	TYPE OF PUMP REMOTE	TYPE OF PUMP SUCTION	POUNDS APPLIED	POUNDS HELD	MINUTES HELD	PRODUCT LOSS CC's	PRODUCT LOSS GPH	CONCLUSION /RESULT
1	SU U/L	RJ		50	50	10			PASS
2	U/L	RJ		50	50	10			PASS
3	DSL	RJ		50	50	10			PASS

LEAK DETECTOR TEST

NO.	PRODUCT	FULL OPEN POSITION FOR 30 SECONDS	CLOSED FOR 30 SECONDS	RESULTS

NONE

DETAIL OF TEST RESULTS

NO.	SYSTEM PRODUCT	TEST NO.	TEST LEVEL (IN.)	TIME CLOCK START	TIME DURATION (HR-MIN)	LEAK RATE CC/DIV	LEAK RATE CC/MIN	TEMPERATURE COMPENSATION DELTA °F	TEMPERATURE COMPENSATION CC/MIN	ABSOLUTE LEAK RATE CC/MIN	ABSOLUTE LEAK RATE GPH	CHECK TEST Y/N
1	SU U/L	1	155	11:10	30M	4.477	+8.837	+.017	+7.195	+1.642	+.026	N
2	U/L		143	11:00	40M	8.163	-24.684	+.012	+5.018	-29.402	-.470	N
3	DSL #1	1	153	9:40	30M	1.657	-15.179	+.011	+3.261	-18.440	-.292	Y
	DSL #2	2	112	11:50	30M	5.660	-1.584	+.002	+.592	-2.176	-.034	N

*LEVEL - Inches from Tank Bottom to Test Level
AIR - Absolute Leak Rate (Measured Leak Rate - Temperature Compensation) in Gallons Per Hour.
CONCLUSION - NFPA 329 criterion of +/- 0.05 GPA is used to certify tightness.

This is to certify that the above tank systems were tested, using the HUNTER ENVIRONMENTAL SERVICES, INC. LEAK LOKATOR according to all standard operating procedures. Those indicated as tight at full system meet the criterion established by the National Fire Protection Assn. Pamphlet 329 for Precision Testing.

Date Test Conducted: 5-29-89 Team Manager: ED GULLEY Associate: DALE BOBER

Test Certification By:

Pat Wheeler, Operations Manager
Hunter Environmental
597 Center Avenue, Suite 350
Martinez, CA 94553
(1-800) 321-3637

CERTIFIED

A:UNO4734.R89

RECEIVED
JUL 03 1989
ENVIRONMENTAL HEALTH

LCI LIQUID CONSTRUCTION, INC.

RECEIVED
JAN 03 1989
ENVIRONMENTAL HEALTH

December 30, 1988
338/C.1

Joe Canas
Kern County Environmental Health
2700 "M" Street
Bakersfield, Ca. 93301

Re: Unocal #4734, Hwy 99 & Grapevine, Lebec, Ca.

Dear Mr. Canas:

After reviewing our job folder, I discovered that soil sample #1 was retrieved from the excavation which was 5.4 T.V.H. However, sample #2 which was retrieved from the stockpile excavation was and extremely high. LCI was not aware that this sample was retrieved from the stockpile excavation, so spoils were pushed back in, compacted and then concreted. I searched our job folder to see if any documented direction was given by either Kern County Environmental Health or the soil tester on what to do with the removed soil, but was unable to find any document direction.

Please get back with me on what direction to take as soon as possible.

Regards

John Jones
President

JJ/amf

1054 North 'J' Street • Post Office Box 1220 • Tulare, California 93275 • (209) 688-1980

330097

LCI LIQUID CONSTRUCTION, INC.

September 21, 1988

Unocal Corporation
2175 N California Blvd.
Walnut Creek, Ca. 94596

Re: Unocal #4734, Hwy 99 & Grapevine, Lebec, Ca.

Dear Sir:

On September 9, 1988 a Petro Tite Line Test was performed at the above-referenced location. The test was performed by George Yarbrough, LCI Technician. The NFPA Code 329.02 criteria for a tight system is a maximum loss of .05 gallons per hour. Because of the almost infinite variables involved, this is not intended to be a mathematical tolerance and is not the permission of actual leakage.

During the stand-pipe test procedure the internal liquid hydrostatic pressure applied to the underground tank system is generally two to three times greater than normal liquid storage pressures. This increase in hydrostatic pressure will amplify the indicated rate of leak accordingly.

LINE TEST

Tank No. 1 -#87
Product - Unleaded
The test showed a minus .007 gallons per hour. Based on the above criteria, we find the tank tested mathematically tight.

Tank No. 2 -#92
Product - Super
The test showed a minus .008 gallons per hour. Based on the above criteria, we find the tank tested mathematically tight.

This concludes our test and findings. If you have any questions regarding the results, please contact me. It is your responsibility to notify your local County Health Department,

1054 North 'J' Street • Post Office Box 1220 • Tulare, California 93275 • (209) 688-1980

Environmental Health, within thirty (30) days of the results of this test. This notification is required by the California Administrative Code, title 23 Waters, Chapter 3 Water Resources Contol Board, Sub-chapter 16 Underground Tank Regulation, Article 4.30.

We have enjoyed working with you on this project. If you need any further information, please feel free to call.

Regards,

Steve Coldren

Steve Coldren
Tank Testing Coordinator

SC/meo

enclosure

Data Chart for Tank System Tightness Test

petro Tite
TANK TESTER

PLEASE PRINT

1. OWNER Property ☐ Tank(s) ☐

Unocal 2175 California Blvd., Walnut Creek, CA 94596
Name Address Representative Telephone

Unocal 2175 California Blvd., Walnut Creek, CA 94596
Name Address Representative Telephone

2. OPERATOR

Unocal #4734 Hwy. 99 and Grapevine, Lebec, CA
Name Address Telephone

3. REASON FOR TEST (Explain Fully)

To test system for tightness

4. WHO REQUESTED TEST AND WHEN

Unocal 2175 Calfiornia Blvd. Walnut Creek, CA Sept. 8, 1988
Name Title Company or Affiliation Date

California Blvd., Walnut Creek, CA
Address Telephone

5. WHO IS PAYING FOR THIS TEST?

Unocal
Company, Agency or Individual Person Authorizing Title Telephone

2175 California Blvd. Walnut Creek, CA
Billing Address City State Zip

Attention of: Order No. Other Instructions

6. TANK(S) INVOLVED

Identify by Direction	Capacity	Brand/Supplier	Grade	Approx. Age	Steel/Fiberglass

7. INSTALLATION DATA

Location	Cover	Fills	Vents	Siphones	Pumps
North inside driveway, Rear of station, etc.	Concrete, Black Top, Earth, etc.	Size, Titefill make, Drop tubes, Remote Fills	Size, Manifolded	Which tanks?	Suction, Remote, Make if known

8. UNDERGROUND WATER

Depth to the Water table _____

Is the water over the tank? ☐ Yes ☒ No

9. FILL-UP ARRANGEMENTS

Tanks to be filled _____ hr. _____ Date Arranged by _____
Name Telephone

Extra product to "top off" and run TSTT. How and who to provide? Consider NO Lead.

Terminal or other contact for notice or inquiry _____
Company Name Telephone

10. CONTRACTOR, MECHANICS, any other contractor involved

11. OTHER INFORMATION OR REMARKS

Additional information on any items above. Officials or others to be advised when testing is in progress or completed. Visitors or observers present during test etc.

12. TEST RESULTS

Tests were made on the above tank systems in accordance with test procedures prescribed for petro Tite as detailed on attached test charts with results as follows:

Tank Identification	Tight	Leakage Indicated	Date Tested
Super Lime	YES	-.007	9-19-88
unleaded Lime	YES	-.008	9-19-88

13. CERTIFICATION

This is to certify that these tank systems were tested on the date(s) shown. Those indicated as "Tight" meet the criteria established by the National Fire Protection Association Pamphlet 329.

9-19-88
Date

86-773
Serial No. of Thermal

414811632
Technicians

Liquid Construction, Inc. George Yarbrand
Testing Contractor or Company By: Signature

P.O. Box 1220, Tulare, CA 93275
Address

DATA CHART
For Use With
petro Tite
LINE TESTER

LCI LIQUID CONSTRUCTION, INC.

Post Office Box 1220
Tulare, California 93275
Phone (209) 688-1980

1 LOCATION: Hwy 99 + Grape Vine (Street No. and/or Corner) Lebec (City) Calif (State) Telephone No.

2 OWNER: UNOCOL (Name) Address Representative Position Telephone No.

3 OPERATOR: Name Dealer, Mgr. or Other Address (If different than Location) Telephone No.

4 REASON FOR TEST

5 TEST REQUESTED BY: Name Position Order No. Billing Address

6 SPECIAL INSTRUCTIONS:

7 CONTRACTOR OR COMPANY MAKING TEST MECHANIC(S) NAME LCI George Yarbrough 414811632

8 IS A TANK TEST TO BE MADE WITH THIS LINE TEST? ☐ YES ☒ NO

9 MAKE AND TYPE OF PUMP OR DISPENSERS Red Jacket / Tokheim

10 WEATHER Fair TEMPERATURE IN TANKS 70 °F ___ °C COVER OVER LINES Concrete (Concrete, Black Top, etc.) APPROXIMATE BURIAL DEPTH 21"

11 IDENTIFY EACH LINE AS TESTED	12 TIME (MILITARY)	13 LOG OF TEST PROCEDURES, AMBIENT TEMPERATURE, WEATHER, ETC.	14 PRESSURE psi OR kPa BEFORE	14 PRESSURE psi OR kPa AFTER	15 VOLUME READING BEFORE	15 VOLUME READING AFTER	15 VOLUME NET CHANGE	16 TEST RESULTS CONCLUSIONS, REPAIRS AND COMMENTS
92 Super	10:00	Start Line Test	28	50	.100	.068	-.032	Station Has 4 - 92 Super Dispensers
Unleaded	10:15	Cont'd Line test	46	50	.068	.063	-.005	4 - 89 Unleaded "
	10:30		48	50	.063	.058	-.005	7 - 87 Unleaded "
	10:45		48	50	.058	.054	-.004	1 - #2 Diesel "
	11:00		48	50	.054	.051	-.003	
	11:15		48	50	.051	.049	-.002	-.002
	11:30		49	50	.049	.047	-.002	-.004
	11:45		49	50	.047	.045	-.002	-.006
	12:00		49	50	.045	.044	-.007	-.007
	12:15	Finish Line test	50	0	.044	.076	+.032	OK

Year 88 Calif State UNOCOL # 4734 Name
Mo. 9 Lebec City
Day 19 Hwy 99 x Grapevine State
DATE OF TEST LOCATION OWNER

DATA CHART
For Use With
petro tile
LINE TESTER

LCI LIQUID CONSTRUCTION, INC.

Post Office Box 1220
Tulare, California 93275
Phone (209) 688-1980

1 LOCATION: Hwy 99 + Grapevine (Street No. and/or Corner) Lebec (City) Calif (State) (Telephone No.)

2 OWNER: UNocal (Name) (Address) (Representative) (Position) (Telephone No.)

3 OPERATOR: (Name) (Dealer, Mgr. or Other) (Address (If different than Location)) (Telephone No.)

4 REASON FOR TEST

5 TEST REQUESTED BY: (Name) (Position) (Order No.) (Billing Address)

6 SPECIAL INSTRUCTIONS:

7 CONTRACTOR OR COMPANY MAKING TEST MECHANIC(S) NAME: ICI George Yarbrough 414811632

8 IS A TANK TEST TO BE MADE WITH THIS LINE TEST? ☐ YES ☒ NO

9 MAKE AND TYPE OF PUMP OR DISPENSERS: Red Jacket / TOKHeim

10 WEATHER: Fair TEMPERATURE IN TANKS: 70 °F ___ °C COVER OVER LINES: Concrete (Concrete, Black Top, etc.) APPROXIMATE BURIAL DEPTH: 21"

Year 88 Calif State UNocal # 4734 Name
Mo. 9 Lebec City
Day 19 Hwy 99 + Grapevine State
DATE OF TEST LOCATION OWNER

11 IDENTIFY EACH LINE AS TESTED	12 TIME (MILITARY)	13 LOG OF TEST PROCEDURES, AMBIENT TEMPERATURE, WEATHER, ETC.	14 PRESSURE psi OR kPa BEFORE	14 PRESSURE psi OR kPa AFTER	15 VOLUME READING BEFORE	15 VOLUME READING AFTER	15 VOLUME NET CHANGE	16 TEST RESULTS CONCLUSIONS, REPAIRS AND COMMENTS
87 Unleaded	12:45	Start Line Test	28	50	.100	.070	-.030	Station Has
	13:00	Cont'd Line test	40	50	.070	.065	-.005	4 - 92 Super Dispensers
	13:15		42	50	.065	.060	-.005	4 - 89 Unleaded "
	13:30		46	50	.060	.056	-.004	7 - 87 Unleaded "
	13:45		48	50	.056	.053	-.003	1 - #2 Diesel "
	14:00		48	50	.053	.051	-.002	-.002
	14:15		48	50	.051	.049	-.002	-.004
	14:30		49	50	.049	.047	-.002	-.006
	14:45		49	50	.047	.045	-.002	-.008
	15:00	Finish Line test	50	0	.045	.084	+.039	O.K.

Unocal #4734 Hwy 99 and Grapevine, Lebec

Unocal #4734 Hwy 99 and Grapevine, Lebec

88-5148

88-5148

LINES 1½ - 400'

LIQUID CONSTRUCTION, INC.
P. O. Box 1220
Tulare, CA 93275
(209)688-1980

RECEIVED
SEP 26 1988
Environmental Health Div.
Kern County Health Dept

LIQUID CONSTRUCTION, [redacted]
P.O. Box 1220
TULARE, CALIFORNIA 93275

(209) 688-1980

LETTER OF TRANSMITTAL

DATE	JOB NO.
9/22/88	

ATTENTION

RE: Unocal #4734
Hwy 99 & Grapevine
Lebec, Ca.

TO Kern County Environmental Health
2700 "M" Street
Bakersfield, Ca. 93301

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☒ Test Results

COPIES	DATE	NO.	DESCRIPTION

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☒ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 19_____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS Enclosed are the test results for the above location.

COPY TO _____

SIGNED: Annette Fagundes

PRODUCT 240-3 NEBS Inc., Groton, Mass. 01471.

If enclosures are not as noted, kindly notify us at once.

Annette Fagundes

LCI LIQUID CONSTRUCTION, INC.

July 8, 1988

Joe Canus
Kern County Environmental Healht
2700 "M" Street
Bakersfield, Ca. 93301

Re: Unocal #4734, Hwy 99 & Grapevine, Lebec, Ca.

Dear Mr. Canus:

This letter is to confirm our telephone conversation of July 8, 1988 @3:30 arranging an inspection at the above-referenced location for Wednesday July 13, 1988 @ 11:00. If there is any changes from our arranged date and time, we will contact your office well in advance.

Thank you for your cooperation in this matter.

Regards,

Annette Fagundes

1054 North 'J' Street • Post Office Box 1220 • Tulare, California 93275 • (209) 688-1980

RECEIVED
JUL 13 1988

LIQUID CONSTRUCTION, INC.
P.O. Box 1220
TULARE, CALIFORNIA 93275

(209) 688-1980

LETTER OF TRANSMITTAL

DATE	JOB NO.
7-20-88	
ATTENTION	
RE: Soil Analysis Report	

TO Kern County Environmental Health
2700 "M" Street
Bakersfield, Ca. 93301

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☒ Soil Analysis Report

COPIES	DATE	NO.	DESCRIPTION
1	7-13-88	1162-88	Soil Analysis Report

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit_____copies for approval
☒ For your use ☐ Approved as noted ☐ Submit_____copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return_____corrected prints
☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 19_____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

COPY TO _____

SIGNED: Annette Fagundes
Annette Fagundes

PRODUCT 240-3 NEBS Inc., Groton, Mass. 01471

If enclosures are not as noted, kindly notify us at once.

CONSOLIDATED TESTING LABORATORIES, INC.

SOILS INVESTIGATIONS *SOILS AND MATERIALS TESTING* *FIELD INSPECTION*

CHAIN OF CUSTODY RECORD

PROJECT NO. 1162-88

PROJECT LOCATION Unocal Station
Interstate 5 and Grapevine exit Lebec Calif

TRANSPORTED BY Truck

COMMENTS

COLLECTOR'S SAMPLE #	DEPTH OF SAMPLE BELOW EXISTING GRADE	DEPTH TO BOTTOM OF TANK/PIPELINE BELOW EXISTING GRADE	ANALYSIS REQUIRED	DATE/TIME SAMPLED	
#1	5'	2'	BTX - TVH	7/13/88	12:30
#2	4" - 2'	0	" "	7/13/88	12:33

CHAIN OF POSSESSION

1.	Chris Speer	CONSOLIDATED TESTING LABS., INC.	7-13-88/12:55
	SAMPLE COLLECTED BY	AFFILIATION	DATE/TIME
2.	Karla Henry	SMC laboratory	7-13-88 1:40
	SAMPLE RECEIVED BY	AFFILIATION	DATE/TIME
3.			
	SAMPLE RECEIVED BY	AFFILIATION	DATE/TIME

*101 W. Morton * 209-781-0571 * Porterville, Ca. 93257*

*209-688-1011 * Tulare, Ca.*

SMC Laboratory — Analytical Chemistry

Client Name: Consolidated Testing Laboratory
Address : 101 W. Morton
Porterville, CA 93257

Date sample received : 7-13-88
Date analysis completed: 7-13-88
Date of report : 7-14-88

Laboratory No. 1435 and 1436 Job Site: Unocal Station

RESULTS OF ANALYSIS

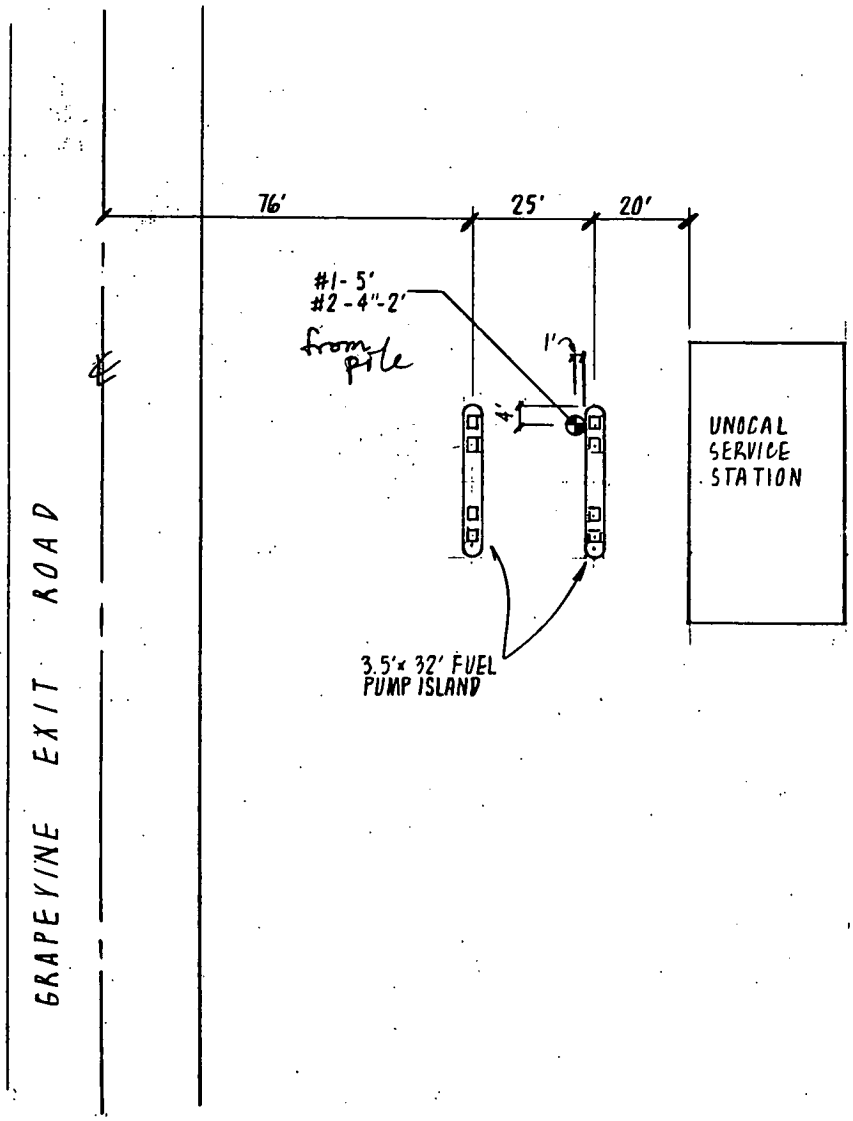
#1435 ID: Sample #1 (1162-88)	ugm/gm	MQL,ugm/gm
Benzene	0.19	0.1
Toluene	0.72	0.1
Ethylbenzene	0.1	0.1
p-Xylene	0.21	0.1
m-Xylene	0.49	0.1
o-Xylene	0.42	0.1
Isopropylbenzene	ND	0.1
TVH	5.4	1.0

#1436 ID: Sample #2 (1162-88)	ugm/gm	PQL,ugm/gm
Benzene	120	40
Toluene	830	40
Ethylbenzene	160	40
p-Xylene	220	40
m-Xylene	500	40
o-Xylene	440	40
Isopropylbenzene	ND	40
TVH	6,100	400

Method of Analysis: California DOHS LUFT manual
MQL = Minimum Quantitation Level
PQL = Practical Quantitation Level
TVH = Total Volatile Hydrocarbons
ugm/gm = microgram per gram
ND = Not detected

Stan Comer
Stan Comer

3155 Pegasus Drive • Bakersfield, CA 93308 • (805) 393-3597
P.O. Box 80835 • Bakersfield, CA 93380



SOIL SAMPLE LOCATION MAP

NORTH
SCALE: 1" = 40'

LEGEND

- ⊕ APPROXIMATE LOCATION OF SOIL SAMPLE
- 669 SOIL SAMPLE NUMBER

NOTES

1. SAMPLE No. 1 COLLECTED WITH DRIVE TUBE SAMPLER FROM EXCAVATION HOLE AT 4'-5' BELOW EXIST. GR.
2. SAMPLE No. 2 COLLECTED FROM SOIL EXCAVATION STOCKPILE FROM 4"- 2' B.E.G. ABOVE SOIL SAMPLE No. 1.

JOB LOCATION: UNOCAL STATION
INTERSTATE 5 AND GRAPEVINE EXIT LEBEC, CA.

JOB NUMBER: 1162-88

CONSOLIDATED TESTING LABORATORIES, INC.

101 W. MORTON AVENUE
PORTERVILLE, CALIFORNIA
209-781-0671
TULARE, CALIFORNIA
209-688-1011

SMC Laboratory — Analytical Chemistry

Client Name: Consolidated Testing Laboratory
Address : 101 W. Morton
Porterville, CA 93257

Date sample received : 7-13-88
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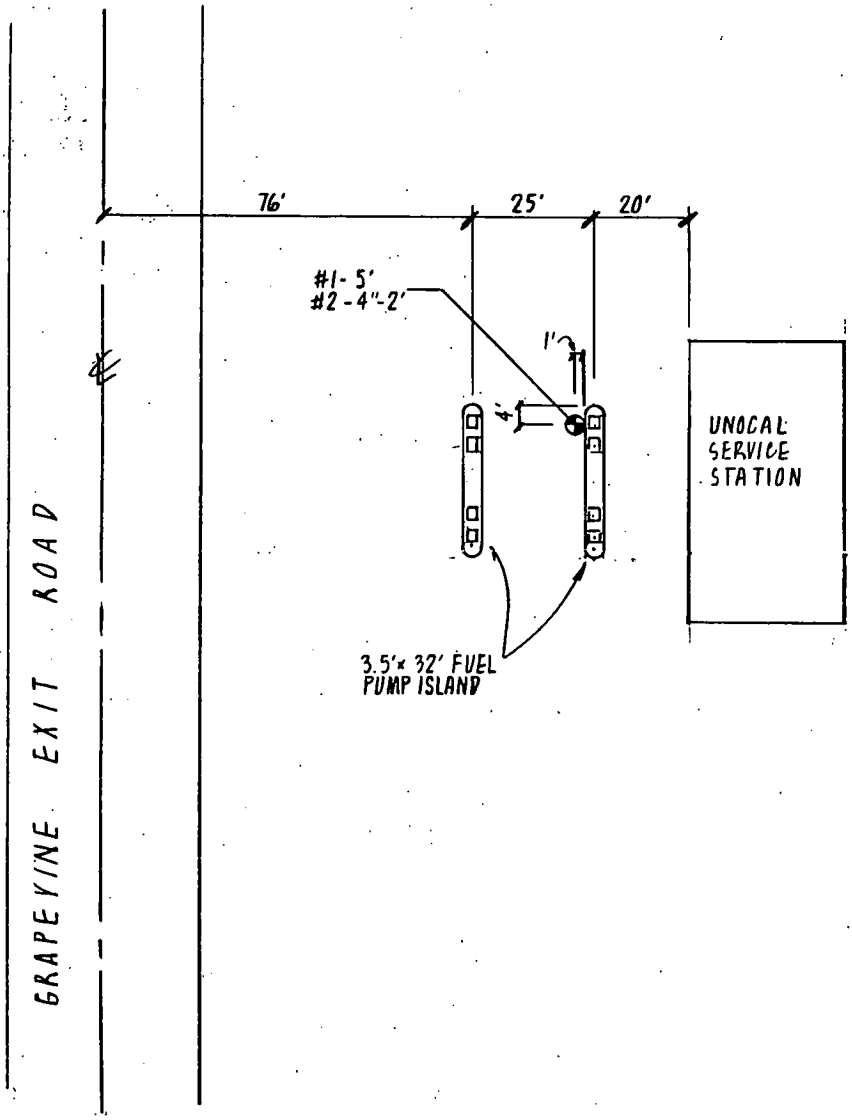

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SCALE: 1" = 40'

LEGEND

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JOB LOCATION: UNOCAL STATION
INTERSTATE 5 AND GRAPEVINE EXIT LEBEC, CA.

JOB NUMBER: 1162-88

CONSOLIDATED TESTING LABORATORIES, INC.
101 W. MORTON AVENUE
PORTERVILLE, CALIFORNIA
209-781-0671
TULARE, CALIFORNIA
209-688-1011

RECEIVED
JUL 18 1988
LIQUID
CONSTRUCTION, INC.

CONSOLIDATED TESTING LABORATORIES, INC.

SOILS INVESTIGATIONS *SOILS AND MATERIALS TESTING* *FIELD INSPECTION*

CHAIN OF CUSTODY RECORD

PROJECT NO. 1162-88

PROJECT LOCATION Unocal Station
Interstate 5 and Grapevine exit Lebec Calif

TRANSPORTED BY Truck

COMMENTS

COLLECTOR'S SAMPLE #	DEPTH OF SAMPLE BELOW EXISTING GRADE	DEPTH TO BOTTOM OF TANK/PIPELINE BELOW EXISTING GRADE	ANALYSIS REQUIRED	DATE/TIME SAMPLED	
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2.	Karla Henry	SMC laboratory	7-13-88 1:40
	SAMPLE RECEIVED BY	AFFILIATION	DATE/TIME
3.			
	SAMPLE RECEIVED BY	AFFILIATION	DATE/TIME

*101 W. Morton * 209-781-0571 * Porterville, Ca. 93257*

*209-688-1011 * Tulare, Ca.*

SMC Laboratory — Analytical Chemistry

Client Name: Consolidated Testing Laboratory
Address : 101 W. Morton
Porterville, CA 93257

Date sample received : 7-13-88
Date analysis completed: 7-13-88
Date of report : 7-14-88

Laboratory No. 1435 and 1436 Job Site: Unocal Station

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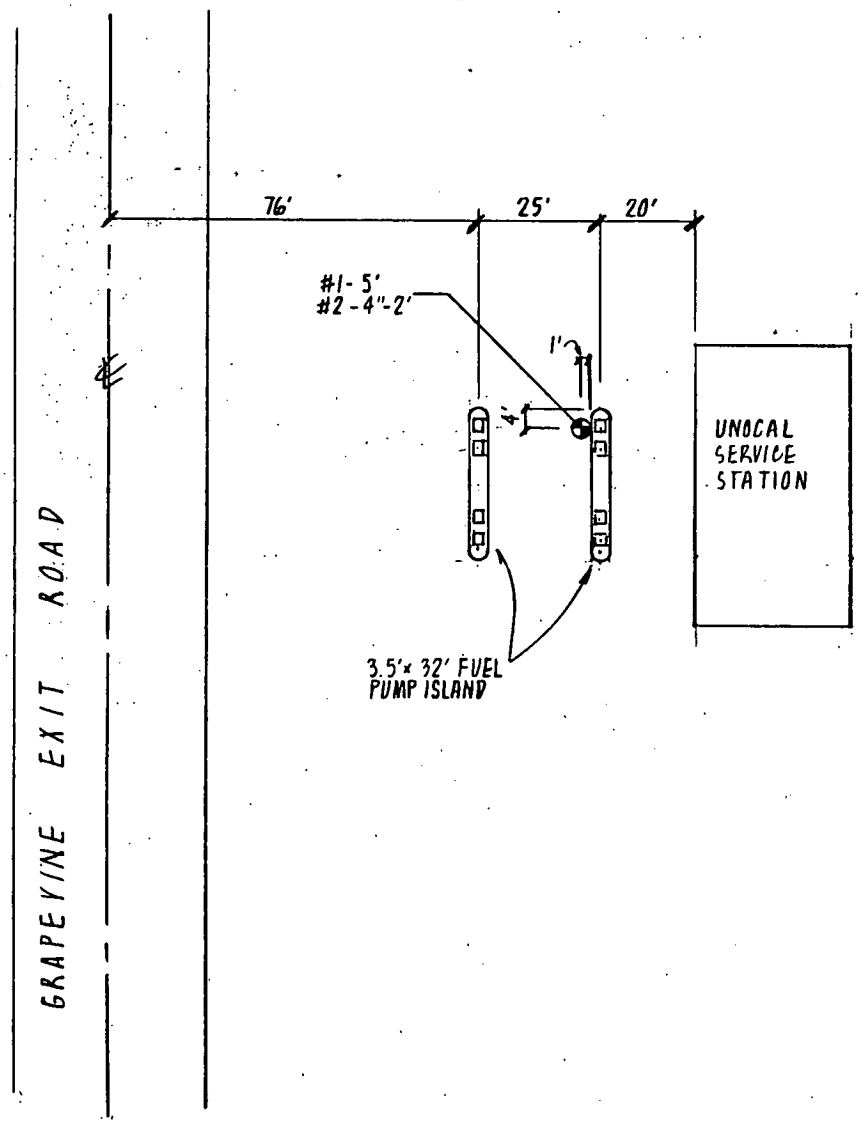

SOIL SAMPLE LOCATION MAP

NORTH
SCALE: 1" = 40'

LEGEND

- APPROXIMATE LOCATION OF SOIL SAMPLE
- 669 SOIL SAMPLE NUMBER

NOTES

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JOB LOCATION: UNOCAL STATION
INTERSTATE 5 AND GRAPEVINE EXIT LEBEC, CA.

JOB NUMBER: 1162-88

CONSOLIDATED TESTING LABORATORIES, INC.
101 W. MORTON AVENUE
PORTERVILLE, CALIFORNIA
209-781-0671
TULARE, CALIFORNIA
209-688-1011

RECEIVED
JUL 18 1988
LIQUID
CONSTRUCTION, INC.

RECEIVED
88 JUL 25 P3:39
KERN COUNTY DEPT. OF
PLANNING AND DEV. SERV.

CONSOLIDATED TESTING LABORATORIES, INC.

SOILS INVESTIGATIONS *SOILS AND MATERIALS TESTING* *FIELD INSPECTION*

RECEIVED JUL 19 1988 KERN COUNTY HEALTH DEPT.

CHAIN OF CUSTODY RECORD

PROJECT NO. 1162-88

PROJECT LOCATION Unocal Station
Interstate 5 and Grapevine exit Lebec Calif

TRANSPORTED BY Truck

COMMENTS

COLLECTOR'S SAMPLE #	DEPTH OF SAMPLE BELOW EXISTING GRADE	DEPTH TO BOTTOM OF TANK/PIPELINE BELOW EXISTING GRADE	ANALYSIS REQUIRED	DATE/TIME SAMPLED
#1	5'	2'	BTX - TVH	7/13/88 12:30
#2	4" - 2'	0 2'	" "	7/13/88 12:33

(from soil pile)

CHAIN OF POSSESSION

4'2"
5'

1. Chris Speer	CONSOLIDATED TESTING LABS., INC.	7-13-88/12:55
SAMPLE COLLECTED BY	AFFILIATION	DATE/TIME
2. Karen Henry	SMC laboratory	7-13-88 1:40
SAMPLE RECEIVED BY	AFFILIATION	DATE/TIME
3.		
SAMPLE RECEIVED BY	AFFILIATION	DATE/TIME

2 2'4" 1 5'

101 W. Morton * 209-781-0571 * Porterville, Ca. 93257

209-688-1011 * Tulare, Ca.

2700 M STREET
MAILING ADDRESS
1415 TRUXTUN AVENUE
BAKERSFIELD, CA 93301
(805) 861-3636

KERN COUNTY HEALTH DEPARTMENT

ENVIRONMENTAL HEALTH DIVISION

HEALTH OFFICER
Leon M Hebertson, M.D.

DIRECTOR OF ENVIRONMENTAL HEALTH
Vernon S. Reichard

PERMIT TO CONSTRUCT
UNDERGROUND STORAGE FACILITY

PERMIT NUMBER #330097B

FACILITY NAME/ADDRESS:	OWNER(S) NAME/ADDRESS:	CONTRACTOR:
Unocal #4734 Hwy. 99 & Grapevine Lebec, CA	Unocal 1275 N. California St. Walnut Creek, CA 94596	LCI 1054 N. "J" Street Tulare, CA 93274

License #A496011

[ ]	NEW BUSINESS
[ ]	CHANGE OWNERSHIP
[ ]	RENEWAL
[XX]	MODIFICATION
[ ]	OTHER

PERMIT EXPIRES June 6, 1989

APPROVAL DATE June 6, 1988

APPROVED BY Joe Canas
Joe Canas

POST ON PREMISES

CONDITIONS AS FOLLOWS:

1. This permit applies only to the modification of an existing facility involving the installation of blending valves, lining, and the extension of product piping.
2. All construction to be as per facility plans approved by this department and verified by inspection by Permitting Authority.
3. All equipment and materials in this construction must be installed in accordance with all manufacturers' specifications.
4. Permittee must contact Permitting Authority for on-site inspection(s) with 48 hour advance notice.
5. Backfill material for piping to be as per manufacturers' specifications.
6. Permittee must contact Permitting Authority and arrange for an inspection prior to backfilling. Generally, inspections will be made of:
   a. Piping system with liner
   b. Any other inspection deemed necessary by Permitting Authority.

PERMIT TO CONSTRUCT UNDERGROUND STORAGE FACILITY

PERMIT NUMBER 330097B
ADDENDUM

7. All underground metal connections (e.g. piping, fittings, fill pipes) to tank(s) must be electrically isolated, and wrapped to a minimum 20 mil thickness with corrosion-preventive, gasoline-resistant tape or otherwise protected from corrosion.
8. Liner shall be installed by a trained experienced liner contractor and installation at site approved by the Pemittiing Authority.
9. Monitoring requirements for this facility will be described on final "Permit to Operate."

ACCEPTED BY Bob [illegible] DATE 6/7/88

ATTACHMENT 3

SUMMARIES OF LABORATORY ANALYTICAL METHODS: SOIL SAMPLES

The following briefly describes laboratory analyses performed on soil samples in accordance with the specified EPA or California Department of Health and Safety methods.

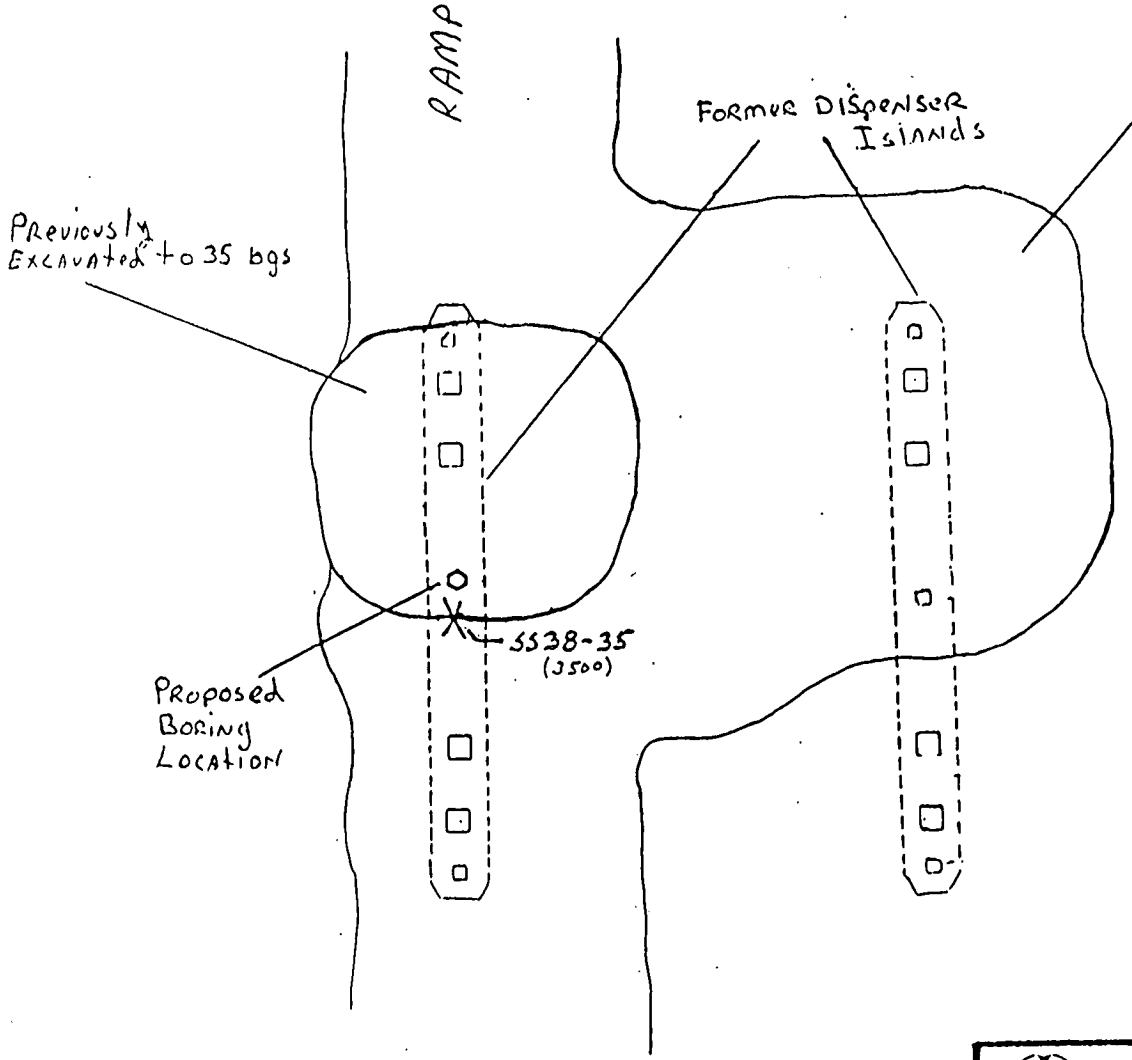
Modified EPA Method 8015: Total Petroleum Hydrocarbons

This method speciates and quantifies total petroleum hydrocarbons (TPH) by the use of a gas chromatograph/flame ionization detector (GC/FID). Pentane is utilized as the solvent extractant for TPH within soil samples. The pentane and any extracted solvents are injected on a capillary column. The hydrocarbon compounds are detected by the FID.

EPA Method 8020: Benzene, Toluene, Total Xylenes, Ethylbenzene

Organic volatile aromatics in soil samples are detected on a gas chromatograph/photoionization detector (GC/PID). Pentane is utilized as the solvent extractant for potential aromatics within soil samples. The pentane and any extracted solvents are injected on a packed column. The aromatics are detected by the PID.

Soil samples are analyzed by a California-certified hazardous waste laboratory. Quality Assurance/Quality Control measures, such as percent reproducibility, percent recovery, and spike analyses, are employed by the laboratory to validate the results. In addition, the laboratory results are reviewed by qualified personnel before release.



0 10 feet

N

Legend

X (TPH-G) Sample Location

GeoResearch

Proposed Boring Location
Former Unocal Service Station
No. 4734
9068 West Grapevine Road
Lebec, California

DATE: 10/19/92	CKD BY:	FIGURE NO.: 1
GR#: 92075		DRAWN BY: BR

Kern County Health Departme
Division of Environmental H lth
1700 Flower Street, Bakersfield, CA 93305
(805) 861-3636

Permit No. 330097M
Application Date 3-14-88

APPLICATION FOR PERMIT TO OPERATE UNDERGROUND
HAZARDOUS SUBSTANCES STORAGE FACILITY

Type Of Application (check):
☐ New Facility ☒ Modification Of Facility ☐ Existing Facility ☐ Transfer Of Ownership

A. Emergency 24-Hour Contact (name, area code, phone): Days RANDY McFARLANE 415-945-7676
Nights 415-561-9322
Facility Name UNOCAL # 4734 No. Of Tanks 4
Type Of Business (check): ☒ Gasoline Station ☐ Other (describe) _____
Is Tank(s) Located On An Agricultural Farm? ☐ Yes ☒ No
Is Tank(s) Used Primarily For Agricultural Purposes? ☐ Yes ☒ No
Facility Address HWY 99 & GRAPEVINE LEBEC Nearest Cross St. I-5
T _____ R _____ SEC _____ (Rural Locations Only)
Owner UNOCAL Contact Person ROGER FOLDA
Address 1275 N. CALIF. ST. WALNUT CREEK Zip 94596 Telephone 415-945-7676
Operator R.J. ROSS & L.W. PERRY Contact Person R.J. ROSS
Address HWY 99 & GRAPEVINE, LEBEC, CA Zip 93263 Telephone 805-327-7903

B. Water To Facility Provided By N/A Depth to Groundwater _____
Soil Characteristics At Facility _____
Basis For Soil Type and Groundwater Depth Determinations _____

C. Contractor LIQUID CONSTRUCTION INC. CA Contractor's License No. A-496011
Address 1054 No. "J" ST TULARE, CA. Zip 93274 Telephone 209-688-1980
Proposed Starting Date 3-15-88 Proposed Completion Date 7-15-88
Worker's Compensation Certification No. W.C. 344912 Insurer ACORD

D. If This Permit Is For Modification Of An Existing Facility, Briefly Describe Modifications Proposed MODIFY GASOLINE & VAPOR PIPING AT PUMP ISLANDS PER ATTACHED DRAWINGS.

E. Tank(s) Store (check all that apply):

Tank #	Waste	Product	Motor Vehicle Fuel	Unleaded	Regular	Premium	Diesel	Waste Oil
N/A	☐	☐	☐	☐	☐	☐	☐	☐
_____	☐	☐	☐	☐	☐	☐	☐	☐
_____	☐	☐	☐	☐	☐	☐	☐	☐
_____	☐	☐	☐	☐	☐	☐	☐	☐

F. Chemical Composition Of Materials Stored (not necessary for motor vehicle fuels)

Tank #	Chemical Stored (non-commercial name)	CAS # (if known)	Chemical Previously Stored (if different)
N/A			
_____			
_____			
_____			

G. Transfer Of Ownership
Date Of Transfer N/A Previous Owner _____
Previous Facility Name _____
I, _____ accept fully all obligations of Permit No. _____ issued to _____. I understand that the Permitting Authority may review and modify or terminate the transfer of the Permit to Operate this underground storage facility upon receiving this completed form.

This form has been completed under penalty of perjury and to the best of my knowledge is true and correct. R.H. LEE & ASSOC. INC. - AGENT FOR UNOCAL
HOWARD A. FERREIRA
Signature Howard A Ferreira Title FIELD ENGINEER Date _____

4734-1-1 4734-4-1
4734-2-1

TANK #4734-3-1 (FILL OUT SEPAR. FORM FOR EACH TANK)

FOR EACH SECTION, CHECK ALL APPROPRIATE BOXES

A.

1. Tank is: ☐ Vaulted ☐ Non-Vaulted ☐ Double-Wall ☐ Single-Wall N/A

2. Tank Material
   ☐ Carbon Steel ☐ Stainless Steel ☐ Polyvinyl Chloride ☐ Fiberglass-Clad Steel
   N/A ☐ Fiberglass-Reinforced Plastic ☐ Concrete ☐ Aluminum ☐ Bronze ☐ Unknown
   ☐ Other (describe): _____

3. Primary Containment N/A
   Date Installed _____ Thickness (Inches) _____ Capacity (Gallons) _____ Manufacturer _____

4. Tank Secondary Containment
   ☐ Double-Wall ☐ Synthetic Liner ☐ Lined Vault ☐ None ☐ Unknown
   N/A ☐ Other (describe): _____ Manufacturer: _____
   Material _____ Thickness (Inches) _____ Capacity (Gals.) _____

5. Tank Interior Lining
   ☐ Rubber ☐ Alkyd ☐ Epoxy ☐ Phenolic ☐ Glass ☐ Clay ☐ Unlined ☐ Unknown
   N/A ☐ Other (describe): _____

6. Tank Corrosion Protection
   ☐ Galvanized ☐ Fiberglass-Clad ☐ Polyethylene Wrap ☐ Vinyl Wrapping
   N/A ☐ Tar or Asphalt ☐ Unknown ☐ None ☐ Other (describe): _____
   Cathodic Protection: ☐ None ☐ Impressed Current System ☐ Sacrificial Anode System
   ☐ Describe System & Equipment: _____

7. Leak Detection, Monitoring, and Interception
   a. Tank: ☐ Visual (vaulted tanks only) ☐ Groundwater Monitoring Well(s)
   N/A ☐ Vadose Zone Monitoring Well(s) ☐ U-Tube Without Liner
   ☐ U-Tube with Compatible Liner Directing Flow To Monitoring Well(s)*
   ☐ Vapor Detector * ☐ Liquid Level Sensor * ☐ Conductivity Sensor*
   ☐ Pressure Sensor In Annular Space Of Double Wall Tank * _____
   ☐ Liquid Retrieval & Inspection From U-Tube, Monitoring Well Or Annular Space
   ☐ Daily Gauging & Inventory Reconciliation ☐ Periodic Tightness Testing
   ☐ None ☐ Unknown ☐ Other _____
   b. Piping: ☐ Flow-Restricting Leak Detector(s) For Pressurized Piping*
   ☐ Monitoring Sump With Raceway ☐ Sealed Concrete Raceway
   ☐ Half-Cut Compatible Pipe Raceway ☐ Synthetic Liner Raceway ☐ None
   ☐ Unknown ☐ Other _____
   *Describe Make & Model: _____

8. Tank Tightness
   Has This Tank Been Tightness Tested? ☐ Yes ☐ No ☐ Unknown
   N/A Date Of Last Tightness Test _____ Results Of Test _____
   Test Name _____ Testing Company _____

9. Tank Repair
   Tank Repaired? ☐ Yes ☐ No ☐ Unknown
   N/A Date(s) Of Repair(s) _____
   Describe Repairs _____

10. Overfill Protection
    ☐ Operator Fills, Controls, & Visually Monitors Level
    ☐ Tape Float Gauge ☐ Float Vent Valves ☐ Auto Shut-Off Controls
    N/A ☐ Capacitance Sensor ☐ Sealed Fill Box ☐ None ☐ Unknown
    ☐ Other: _____ List Make & Model For Above Device

11. Piping
    a. Underground Piping: ☒ Yes ☐ No ☐ Unknown Material FIBERGLASS
    Thickness (inches) .080 Diameter 2" Manufacturer CIBA OR A.O. SMITH
    ☒ Pressure ☐ Suction ☐ Gravity Approximate Length Of Pipe Run ± 6'
    b. Underground Piping Corrosion Protection:
    ☒ Galvanized ☐ Fiberglass-Clad ☐ Impressed Current ☐ Sacrificial Anod
    ☐ Polyethylene Wrap ☐ Electrical Isolation ☐ Vinyl Wrap ☐ Tar or Asphal
    ☐ Unknown ☐ None ☐ Other (describe): _____
    c. Underground Piping, Secondary Containment:
    ☐ Double-Wall ☐ Synthetic Liner System ☒ None ☐ Unknown
    ☐ Other (describe): _____

ROBERT H. LEE & ASSOCIATES, INC.
ARCHITECTURE PLANNING ENGINEERING
900 LARKSPUR LANDING CIRCLE, #125, LARKSPUR, CA 94939 · (415) 461-8890

March 8, 1988

Ms. Ann Boyce
Kern County Dept. of Env. Health
1700 Flower Street
Bakersfield, CA 93305

RE: UNOCAL SERVICE STATIONS
KERN COUNTY
JOB #1284
MINOR PIPE MODIFICATIONS
AND BLEND VALVE INSTALLATION

Dear Ms. Boyce:

On behalf of Unocal 76 we are submitting these plans and fee of $1800.00 ($100.00 per facility) for minor piping modifications at each Unocal leased service station within your jurisdiction:

S.S. #1367 - Bakersfield
#3507 - Bakersfield
#3609 - Bakersfield
#3655 - Bakersfield
#4888 - Bakersfield
#5488 - Bakersfield
#5573 - Bakersfield
#6089 - Bakersfield
#6106 - Bakersfield
#7048 - Bakersfield
#7225 - Bakersfield
#4669 - Delano
#5334 - Greenfield
#4734 - Lebec
#5895 - Lost Hills
#5716 - Oildale
#3596 - Ridgecrest
#2989 - Taft

These modifications will be minimal, involving about 0-10% of the total existing piping system which is currently monitored with Red Jacket leak detectors. Providing these changes and installing a U.L. listed "Blend Valve" within selected dispensers will allow the service station dealer to provide an additional gasoline product to the customer.

We are requesting at this time a variance from secondary containment requirements on these minor modifications. Please see our formal letter, attached.

Please review these plans and advise this office of your approval. The installation contractor has been given responsibility for obtaining and meeting all other local permits and requirements.

As per your conversation with Paul Yamamoto of our office, the Contractor will be installing a pan under the dispensers.

As our client has developed a very rigid schedule, any assistance you can provide us in expediting your processing would be greatly appreciated. We will be available to assist you with any and all questions you might have at (415) 461-8890. Please advise us when permits are ready to be picked up.

No As-Builts should be required as all construction will be as designed.

Again, your assistance is greatly appreciated.

Very truly yours,

ROBERT H. LEE & ASSOCIATES, INC.

David M. Solomon

David M. Solomon
Project Designer

DMS/cz

cc: Roger Folda, Unocal

ROBERT H. LEE & ASSOCIATES, INC.
ARCHITECTURE PLANNING ENGINEERING
900 LARKSPUR LANDING CIRCLE, #125, LARKSPUR, CA 94939 · (415) 461-8890

March 8, 1988

Ms. Ann Boyce
Kern County Dept. of Env. Health
1700 Flower Street
Bakersfield, CA 93305

RE: REQUEST FOR VARIANCES FROM SECONDARY CONTAINMENT REQUIREMENTS ON SHORT PIPING ADDITIONS

Dear Ms. Boyce:

Unocal 76 has embarked upon a region wide program to provide an additional gasoline product to their consumers at all service stations. Rather than install another underground tank, Unocal has opted to perform minor modifications to existing product and vapor recovery piping at the dispenser islands and in some cases only underneath the dispensers themselves to provide this third product. Additional product piping of approximately 0-10 feet in length or 0-10% of the total piping may be required.

On behalf of Unocal we request your consideration for a variance from secondary containment requirements on minor new additions to product piping for the following reasons:

1. From 1974-1976, Unocal voluntarily replaced all galvanized product piping with corrosion resistant fiberglass piping at all service stations as part of their own Phase I Leak Prevention Program.

2. Unocal has established as part of their Phase II Leak Prevention Program an ongoing tank replacement project through which all single wall tanks and piping will be replaced with double wall tanks and secondarily contained piping at all service stations. This program has been in effect for several years and it is Unocal's intent to eventually eliminate all single wall steel tanks and single wall piping from their system of service stations.

3. Red Jacket Line Leak Detectors are installed and are operating at all service stations.

4. All stations with single wall fueling facilities are being precision tested for tightness on an annual basis as required by State and/or local law.

5. Station dealers are required by law as well as their lease agreements to perform daily inventory reconciliation on their motor vehicle fuels and to advise both government agencies and company representatives when specified discrepancies occur.

In addition, there are real limitations on funds, time and availability of manpower for this project. Unocal's resources are finite. Secondary containment requirements for a project of this magnitude may make it difficult or impossible to complete with available resources.

It is also felt that the dollars and effort spent on creating and monitoring a hybrid double/single wall fueling system might be more effectively and efficiently spent within the context of Unocal's ongoing tank replacement program through which "complete" tank and piping systems are replaced at all service stations on a prioritized basis.

Your consideration of the above is greatly appreciated. Should you have any questions or response regarding this matter, please do not hesitate to contact our office at (415) 461-8890.

Very truly yours,

ROBERT H. LEE & ASSOCIATES, INC.

David M. Solomon
Project Designer

DMS/cz

cc: Mr. Roger Folda, UNOCAL

1700 Flower Street
Bakersfield, California 93305
Telephone (805) 861-3636

KERN COUNTY HEALTH DEPARTMENT

ENVIRONMENTAL HEALTH DIVISION

HEALTH OFFICER
Leon M Hebertson, M.D.

DIRECTOR OF ENVIRONMENTAL HEALTH
Vernon S. Reichard

INTERIM PERMIT TO OPERATE:

UNDERGROUND HAZARDOUS SUBSTANCES STORAGE FACILITY

PERMIT#330097C

ISSUED: APRIL 1, 1987
EXPIRES: APRIL 1, 1990

NUMBER OF TANKS= 4

FACILITY:	OWNER:
UNION OIL SS# 4734	UNION OIL CO. OF CALIFORNIA
HWY. 99 & GRAPEVINE	2175 N. CALIF. BLVD. #650
LEBEC, CA	WALNUT CREEK, CA 94596

TANK #	AGE(IN YRS)	SUBSTANCE CODE	PRESSURIZED PIPING?
4734/1,2	24	MVF 3	YES
4734/3	4	MVF 3	YES
4734/4	UNK	WO 3	NO

NOTE: ALL INTERIM REQUIREMENTS ESTABLISHED BY THE PERMITTING AUTHORITY MUST BE MET DURING THE TERM OF THIS PERMIT

NON-TRANSFERABLE * POST ON PREMISES**

DATE PERMIT MAILED: APR 1 1987

DATE PERMIT CHECK LIST RETURNED:

Kern County Health Department
Division of Environmental Health
1700 Flower Street, Bakersfield, CA 93305

Permit No. 330097C
Application Date 6004793

SS# 4734

APPLICATION FOR PERMIT TO OPERATE UNDERGROUND HAZARDOUS SUBSTANCES STORAGE FACILITY

Type of Application (check):
☐ New Facility ☐ Modification of Facility ☒ Existing Facility ☐ Transfer of Ownership

A. Emergency 24-Hour Contact (name, area code, phone): Days L.J. JAURIGUI (415) 945-7676
Nights UNION OIL CO. (415) 561-9322

Facility Name UNION OIL SS #4734 No. of Tanks 4
Type of Business (check): ☒ Gasoline Station ☐ Other (describe)
Is Tank(s) Located on an Agricultural Farm? ☐ Yes ☒ No
Is Tank(s) Used Primarily for Agricultural Purposes? ☐ Yes ☒ No
Facility Address HIGHWAY 99 AT GRAPEVINE, LEBEC 93243 Nearest Cross St. HWY 99 / GRAPEVINE
T ____ R ____ SEC ____ (Rural Locations Only)
Owner UNION OIL CO. OF CALIFORNIA Contact Person L.J. JAURIGUI
Address 2175 N. CALIFORNIA BLVD #650, WALNUT CREEK Zip 94596 Telephone (415) 945-7676
Operator R.J. ROSE & L.W. PERRY Contact Person R.J. ROSE OR L.W. PERRY
Address HWY 99/GRAPEVINE, LEBEC, CA Zip 93243 Telephone (805) 327-2903

B. Water to Facility Provided by UNKNOWN Depth to Groundwater UNKNOWN
Soil Characteristics at Facility UNKNOWN
Basis for Soil Type and Groundwater Depth Determinations UNKNOWN

C. Contractor N/A CA Contractor's License No. ____
Address ____ Zip ____ Telephone ____
Proposed Starting Date ____ Proposed Completion Date ____
Worker's Compensation Certification # ____ Insurer ____

D. If This Permit Is For Modification Of An Existing Facility, Briefly Describe Modifications Proposed N/A

E. Tank(s) Store (check all that apply):

Tank #	Waste	Product	Motor Vehicle Fuel	Unleaded	Regular	Premium	Diesel	Waste Oil
4734-1-1	☐	☒	☒	☒	☐	☐	☐	☐
4734-2-1	☐	☒	☒	☐	☐	☒	☐	☐
4734-3-1	☐	☒	☒	☐	☐	☐	☒	☐
4734-4-1	☒	☐	☐	☐	☐	☐	☐	☒

F. Chemical Composition of Materials Stored (not necessary for motor vehicle fuels)

Tank #	Chemical Stored (non-commercial name)	CAS # (if known)	Chemical Previously Stored (if different)
	N/A		

G. Transfer of Ownership
Date of Transfer N/A Previous Owner ____
Previous Facility Name ____
I, ____ accept fully all obligations of Permit No. ____ issued to ____. I understand that the Permitting Authority may review and modify or terminate the transfer of the Permit to Operate this underground storage facility upon receiving this completed form.

This form has been completed under penalty of perjury and to the best of my knowledge is true and correct.

Signature L. Jaurigui Title MANAGER, DIVISION SERVICES Date 6/5/85

RECEIVED
JUN 2006
KING COUNTY HEARING EXAMINER

UNION OIL CO. 4734

TANK # 47[redacted]-1 (FILL OUT SEPARATE FORM FOR EACH TANK)

FOR EACH SECTION, CHECK **ALL** APPROPRIATE BOXES

H. 1. Tank is: ☐ Vaulted ☒ Non-Vaulted ☐ Double-Wall ☒ Single-Wall

2. Tank Material

☒ Carbon Steel ☐ Stainless Steel ☐ Polyvinyl Chloride ☐ Fiberglass-Clad Steel
☐ Fiberglass-Reinforced Plastic ☐ Concrete ☐ Aluminum ☐ Bronze ☐ Unknown
☐ Other (describe) _____

3. Primary Containment

Date Installed	Thickness (Inches)	Capacity (Gallons)	Manufacturer
1961	P.C.S.	10 000	UNKNOWN

4. Tank Secondary Containment

☐ Double-Wall ☐ Synthetic Liner ☐ Lined Vault ☒ None ☐ Unknown
☐ Other (describe): _____ Manufacturer: _____
☐ Material _____ Thickness (Inches) _____ Capacity (Gals.) _____

5. Tank Interior Lining

☐ Rubber ☐ Alkyd ☐ Epoxy ☐ Phenolic ☐ Glass ☐ Clay ☒ Unlined ☐ Unknown
☐ Other (describe): _____

6. Tank Corrosion Protection

☐ Galvanized ☐ Fiberglass-Clad ☐ Polyethylene Wrap ☐ Vinyl Wrapping
☐ Tar or Asphalt ☐ Unknown ☒ None ☐ Other (describe): _____
Cathodic Protection: ☒ None ☐ Impressed Current System ☐ Sacrificial Anode System
Describe System & Equipment: _____

7. Leak Detection, Monitoring, and Interception

a. Tank: ☐ Visual (vaulted tanks only) ☐ Groundwater Monitoring Well(s)
☐ Vadose Zone Monitoring Well(s) ☐ U-Tube Without Liner
☐ U-Tube with Compatible Liner Directing Flow to Monitoring Well(s)*
☐ Vapor Detector* ☐ Liquid Level Sensor* ☐ Conductivity Sensor*
☐ Pressure Sensor in Annular Space of Double Wall Tank* _____
☐ Liquid Retrieval & Inspection From U-Tube, Monitoring Well or Annular Space
☒ Daily Gauging & Inventory Reconciliation ☐ Periodic Tightness Testing
☐ None ☐ Unknown ☐ Other _____

b. Piping: ☒ Flow-Restricting Leak Detector(s) for Pressurized Piping*
☐ Monitoring Sump with Raceway ☐ Sealed Concrete Raceway
☐ Half-Cut Compatible Pipe Raceway ☐ Synthetic Liner Raceway ☐ None
☐ Unknown ☐ Other

*Describe Make & Model: RED JACKET LEAK DETECTOR 116-017

8. Tank Tightness

Has This Tank Been Tightness Tested? ☐ Yes ☐ No ☒ Unknown
Date of Last Tightness Test _____ Results of Test _____
Test Name _____ Testing Company _____

9. Tank Repair

Tank Repaired? ☐ Yes ☐ No ☒ Unknown
Date(s) of Repair(s) _____
Describe Repairs _____

10. Overfill Protection

☒ Operator Fills, Controls, & Visually Monitors Level
☐ Tape Float Gauge ☐ Float Vent Valves ☐ Auto Shut- Off Controls
☐ Capacitance Sensor ☐ Sealed Fill Box ☐ None ☐ Unknown
☐ Other: _____ List Make & Model For Above Devices

11. Piping

a. Underground Piping: ☒ Yes ☐ No ☐ Unknown Material _____
Thickness (inches) UNKNOWN Diameter UNKNOWN Manufacturer _____
☒ Pressure ☐ Suction ☐ Gravity Approximate Length of Pipe Run _____

b. Underground Piping Corrosion Protection :
☐ Galvanized ☐ Fiberglass-Clad ☐ Impressed Current ☐ Sacrificial Anode
☐ Polyethylene Wrap ☐ Electrical Isolation ☐ Vinyl Wrap ☐ Tar or Asphalt
☒ Unknown ☐ None ☐ Other (describe): _____

c. Underground Piping, Secondary Containment:
☐ Double-Wall ☐ Synthetic Liner System ☒ None ☐ Unknown
☐ Other (describe): _____

UNION OIL SS# 4734

TANK # 47[redacted]2-1 (FILL OUT SEPARATE FORM FOR [redacted]ACH TANK)
FOR EACH SECTION, CHECK ALL APPROPRIATE BOXES

H. 1. Tank is: ☐ Vaulted ☒ Non-Vaulted ☐ Double-Wall ☒ Single-Wall

2. Tank Material
☒ Carbon Steel ☐ Stainless Steel ☐ Polyvinyl Chloride ☐ Fiberglass-Clad Steel
☐ Fiberglass-Reinforced Plastic ☐ Concrete ☐ Aluminum ☐ Bronze ☐ Unknown
☐ Other (describe) _____

3. Primary Containment

Date Installed	Thickness (Inches)	Capacity (Gallons)	Manufacturer
1961	P.C.S.	10 000	UNKNOWN

4. Tank Secondary Containment
☐ Double-Wall ☐ Synthetic Liner ☐ Lined Vault ☒ None ☐ Unknown
☐ Other (describe): _____ Manufacturer: _____
☐ Material _____ Thickness (Inches) _____ Capacity (Gals.) _____

5. Tank Interior Lining
☐ Rubber ☐ Alkyd ☐ Epoxy ☐ Phenolic ☐ Glass ☐ Clay ☒ Unlined ☐ Unknown
☐ Other (describe): _____

6. Tank Corrosion Protection
☐ Galvanized ☐ Fiberglass-Clad ☐ Polyethylene Wrap ☐ Vinyl Wrapping
☐ Tar or Asphalt ☐ Unknown ☒ None ☐ Other (describe): _____
Cathodic Protection: ☒ None ☐ Impressed Current System ☐ Sacrificial Anode System
Describe System & Equipment: _____

7. Leak Detection, Monitoring, and Interception
a. Tank: ☐ Visual (vaulted tanks only) ☐ Groundwater Monitoring Well(s)
☐ Vadose Zone Monitoring Well(s) ☐ U-Tube Without Liner
☐ U-Tube with Compatible Liner Directing Flow to Monitoring Well(s)*
☐ Vapor Detector* ☐ Liquid Level Sensor* ☐ Conductivity Sensor*
☐ Pressure Sensor in Annular Space of Double Wall Tank* _____
☐ Liquid Retrieval & Inspection From U-Tube, Monitoring Well or Annular Space
☒ Daily Gauging & Inventory Reconciliation ☐ Periodic Tightness Testing
☐ None ☐ Unknown ☐ Other _____
b. Piping: ☒ Flow-Restricting Leak Detector(s) for Pressurized Piping*
☐ Monitoring Sump with Raceway ☐ Sealed Concrete Raceway
☐ Half-Cut Compatible Pipe Raceway ☐ Synthetic Liner Raceway ☐ None
☐ Unknown ☐ Other
*Describe Make & Model: RED JACKET LEAK DETECTOR 116-017

8. Tank Tightness
Has This Tank Been Tightness Tested? ☐ Yes ☐ No ☒ Unknown
Date of Last Tightness Test _____ Results of Test _____
Test Name _____ Testing Company _____

9. Tank Repair
Tank Repaired? ☐ Yes ☐ No ☒ Unknown
Date(s) of Repair(s) _____
Describe Repairs _____

10. Overfill Protection
☒ Operator Fills, Controls, & Visually Monitors Level
☐ Tape Float Gauge ☐ Float Vent Valves ☐ Auto Shut- Off Controls
☐ Capacitance Sensor ☐ Sealed Fill Box ☐ None ☐ Unknown
☐ Other: _____ List Make & Model For Above Devices

11. Piping
a. Underground Piping: ☒ Yes ☐ No ☐ Unknown Material _____
Thickness (inches) UNKNOWN Diameter UNKNOWN Manufacturer _____
☒ Pressure ☐ Suction ☐ Gravity Approximate Length of Pipe Run _____
b. Underground Piping Corrosion Protection :
☐ Galvanized ☐ Fiberglass-Clad ☐ Impressed Current ☐ Sacrificial Anode
☐ Polyethylene Wrap ☐ Electrical Isolation ☐ Vinyl Wrap ☐ Tar or Asphalt
☒ Unknown ☐ None ☐ Other (describe): _____
c. Underground Piping, Secondary Containment:
☐ Double-Wall ☐ Synthetic Liner System ☒ None ☐ Unknown
☐ Other (describe): _____

UNION OIL SS#4734

TANK # 47[redacted]-1 (FILL OUT SEPARATE FORM FOR [redacted]ACH TANK)
FOR EACH SECTION, CHECK ALL APPROPRIATE BOXES

H. 1. Tank is: ☐ Vaulted ☒ Non-Vaulted ☐ Double-Wall ☒ Single-Wall

2. Tank Material
☐ Carbon Steel ☐ Stainless Steel ☐ Polyvinyl Chloride ☐ Fiberglass-Clad Steel
☒ Fiberglass-Reinforced Plastic ☐ Concrete ☐ Aluminum ☐ Bronze ☐ Unknown
☐ Other (describe) _____

3. Primary Containment

Date Installed	Thickness (Inches)	Capacity (Gallons)	Manufacturer
1981	P.C.S.	10 000	UNKNOWN

4. Tank Secondary Containment
☐ Double-Wall ☐ Synthetic Liner ☐ Lined Vault ☒ None ☐ Unknown
☐ Other (describe): _____ Manufacturer: _____
☐ Material _____ Thickness (Inches) _____ Capacity (Gals.) _____

5. Tank Interior Lining
☐ Rubber ☐ Alkyd ☐ Epoxy ☐ Phenolic ☐ Glass ☐ Clay ☒ Unlined ☐ Unknown
☐ Other (describe): _____

6. Tank Corrosion Protection
☐ Galvanized ☐ Fiberglass-Clad ☐ Polyethylene Wrap ☐ Vinyl Wrapping
☐ Tar or Asphalt ☐ Unknown ☒ None ☐ Other (describe): _____
Cathodic Protection: ☒ None ☐ Impressed Current System ☐ Sacrificial Anode System
Describe System & Equipment: _____

7. Leak Detection, Monitoring, and Interception
a. Tank: ☐ Visual (vaulted tanks only) ☐ Groundwater Monitoring Well(s)
☐ Vadose Zone Monitoring Well(s) ☐ U-Tube Without Liner
☐ U-Tube with Compatible Liner Directing Flow to Monitoring Well(s)*
☐ Vapor Detector* ☐ Liquid Level Sensor* ☐ Conductivity Sensor*
☐ Pressure Sensor in Annular Space of Double Wall Tank* _____
☐ Liquid Retrieval & Inspection From U-Tube, Monitoring Well or Annular Space
☒ Daily Gauging & Inventory Reconciliation ☐ Periodic Tightness Testing
☐ None ☐ Unknown ☐ Other _____
b. Piping: ☒ Flow-Restricting Leak Detector(s) for Pressurized Piping*
☐ Monitoring Sump with Raceway ☐ Sealed Concrete Raceway
☐ Half-Cut Compatible Pipe Raceway ☐ Synthetic Liner Raceway ☐ None
☐ Unknown ☐ Other
*Describe Make & Model: RED JACKET LEAK DETECTOR 116-017

8. Tank Tightness
Has This Tank Been Tightness Tested? ☐ Yes ☐ No ☒ Unknown
Date of Last Tightness Test _____ Results of Test _____
Test Name _____ Testing Company _____

9. Tank Repair
Tank Repaired? ☐ Yes ☐ No ☒ Unknown
Date(s) of Repair(s) _____
Describe Repairs _____

10. Overfill Protection
☒ Operator Fills, Controls, & Visually Monitors Level
☐ Tape Float Gauge ☐ Float Vent Valves ☐ Auto Shut- Off Controls
☐ Capacitance Sensor ☐ Sealed Fill Box ☐ None ☐ Unknown
☐ Other: _____ List Make & Model For Above Devices

11. Piping
a. Underground Piping: ☒ Yes ☐ No ☐ Unknown Material _____
Thickness (inches) UNKNOWN Diameter UNKNOWN Manufacturer _____
☒ Pressure ☐ Suction ☐ Gravity Approximate Length of Pipe Run _____
b. Underground Piping Corrosion Protection :
☐ Galvanized ☐ Fiberglass-Clad ☐ Impressed Current ☐ Sacrificial Anode
☐ Polyethylene Wrap ☐ Electrical Isolation ☐ Vinyl Wrap ☐ Tar or Asphalt
☒ Unknown ☐ None ☐ Other (describe): _____
c. Underground Piping, Secondary Containment:
☐ Double-Wall ☐ Synthetic Liner System ☒ None ☐ Unknown
☐ Other (describe): _____

UNION OIL SS# 4734

TANK # 473[redacted]1 (FILL OUT SEPARATE FORM FOR EACH TANK)
FOR EACH SECTION, CHECK ALL APPROPRIATE BOXES

H. 1. Tank is: ☐ Vaulted ☒ Non-Vaulted ☐ Double-Wall ☒ Single-Wall

2. Tank Material
☒ Carbon Steel ☐ Stainless Steel ☐ Polyvinyl Chloride ☐ Fiberglass-Clad Steel
☐ Fiberglass-Reinforced Plastic ☐ Concrete ☐ Aluminum ☐ Bronze ☐ Unknown
☐ Other (describe) _____

3. Primary Containment
Date Installed: UNKNOWN | Thickness (Inches): P.C.S. | Capacity (Gallons): 280 | Manufacturer: UNKNOWN

4. Tank Secondary Containment
☐ Double-Wall ☐ Synthetic Liner ☐ Lined Vault ☒ None ☐ Unknown
☐ Other (describe): _____ Manufacturer: _____
☐ Material _____ Thickness (Inches) _____ Capacity (Gals.) _____

5. Tank Interior Lining
☐ Rubber ☐ Alkyd ☐ Epoxy ☐ Phenolic ☐ Glass ☐ Clay ☒ Unlined ☐ Unknown
☐ Other (describe): _____

6. Tank Corrosion Protection
☐ Galvanized ☐ Fiberglass-Clad ☐ Polyethylene Wrap ☐ Vinyl Wrapping
☐ Tar or Asphalt ☐ Unknown ☒ None ☐ Other (describe): _____
Cathodic Protection: ☒ None ☐ Impressed Current System ☐ Sacrificial Anode System
Describe System & Equipment: _____

7. Leak Detection, Monitoring, and Interception
a. Tank: ☐ Visual (vaulted tanks only) ☐ Groundwater Monitoring Well(s)
☐ Vadose Zone Monitoring Well(s) ☐ U-Tube Without Liner
☐ U-Tube with Compatible Liner Directing Flow to Monitoring Well(s)*
☐ Vapor Detector* ☐ Liquid Level Sensor* ☐ Conductivity Sensor*
☐ Pressure Sensor in Annular Space of Double Wall Tank* _____
☐ Liquid Retrieval & Inspection From U-Tube, Monitoring Well or Annular Space
☒ Daily Gauging & Inventory Reconciliation ☐ Periodic Tightness Testing
☐ None ☐ Unknown ☐ Other _____

b. Piping: Flow-Restricting Leak Detector(s) for Pressurized Piping*
☐ Monitoring Sump with Raceway ☐ Sealed Concrete Raceway
☐ Half-Cut Compatible Pipe Raceway ☐ Synthetic Liner Raceway ☐ None
☐ Unknown ☐ Other _____
*Describe Make & Model: _____

8. Tank Tightness
Has This Tank Been Tightness Tested? ☐ Yes ☐ No ☒ Unknown
Date of Last Tightness Test _____ Results of Test _____
Test Name _____ Testing Company _____

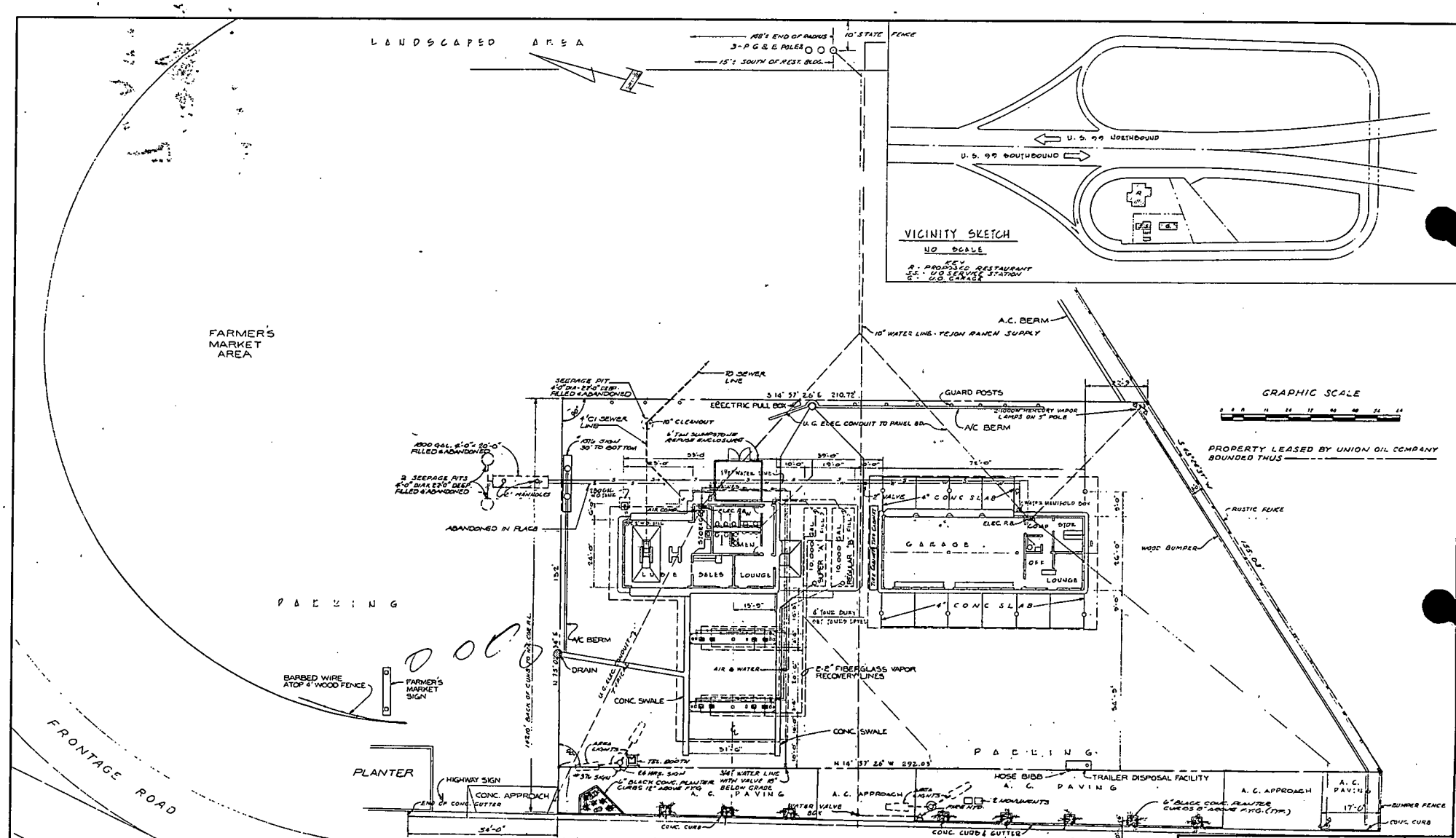
9. Tank Repair
Tank Repaired? ☐ Yes ☐ No ☒ Unknown
Date(s) of Repair(s) _____
Describe Repairs _____

10. Overfill Protection
☒ Operator Fills, Controls, & Visually Monitors Level
☐ Tape Float Gauge ☐ Float Vent Valves ☐ Auto Shut- Off Controls
☐ Capacitance Sensor ☐ Sealed Fill Box ☐ None ☐ Unknown
☐ Other: _____ List Make & Model For Above Devices

11. Piping
a. Underground Piping: ☒ Yes ☐ No ☐ Unknown Material _____
Thickness (inches) UNKNOWN Diameter UNKNOWN Manufacturer _____
☐ Pressure ☐ Suction ☒ Gravity Approximate Length of Pipe Run _____

b. Underground Piping Corrosion Protection :
☐ Galvanized ☐ Fiberglass-Clad ☐ Impressed Current ☐ Sacrificial Anode
☐ Polyethylene Wrap ☐ Electrical Isolation ☐ Vinyl Wrap ☐ Tar or Asphalt
☒ Unknown ☐ None ☐ Other (describe): _____

c. Underground Piping, Secondary Containment:
☐ Double-Wall ☐ Synthetic Liner System ☒ None ☐ Unknown
☐ Other (describe): _____



COMPLETION DATE DECEMBER 29, 1961

DATE	REVISED			
8-29-1961	SEPTIC TANK, POWER POLE & APPROACHES			
9-29-1961	ADDED CURB & GUTTER			
1-12-1962	DRAWING CORRECTED. UNDERGROUND FACILITIES			
" " "	INSTALLED AS SHOWN.	GB		
10-29-1966	INSTALLED 20' WIDE OILED ROAD			
6-2-76	BROUGHT DWG. UP TO DATE PER MODERNIZATION			
3-2-77	AS BUILT VAPOR RECOVERY PIPING & GENERAL UPDATE			
10-6-79	REVISED SEWER LINE			

PROJECT ENGINEER	JOB NO.
PARKER ENGINEERING & CONSTRUCTION COMPANY	1014

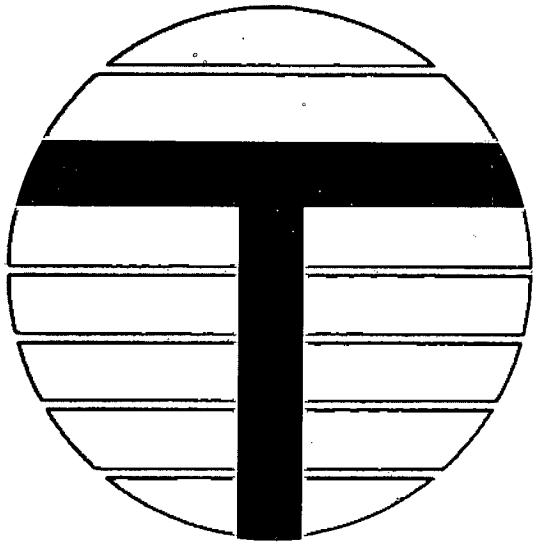
GENERAL ARRANGEMENT
SERVICE STATION #4734 & GARAGE
U.S. HIGHWAY 99 AT GRAPEVINE
TEJON RANCH CO.

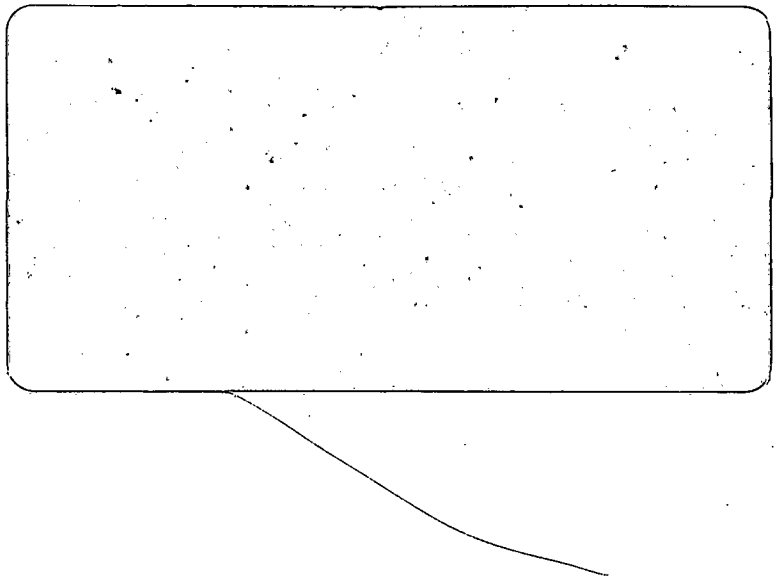
UNION OIL COMPANY OF CALIFORNIA
LOS ANGELES, CALIFORNIA

DRAWING NO. F19A49

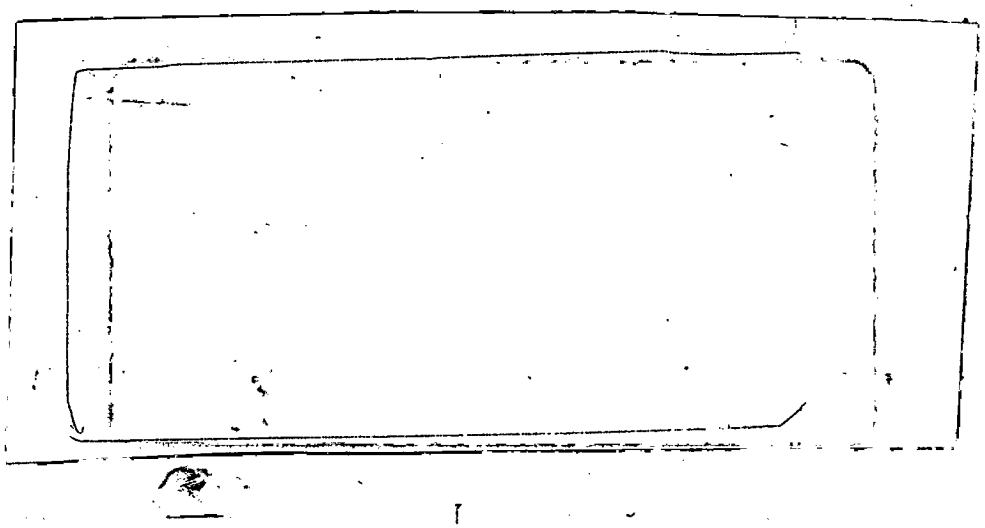
THIS DWG SUPERSEDES DWG OF SAME NUMBER DATED 8.29.61

RECEIVED
JUN
KERN COUNTY HEALTH DEPT





6084



7809

GeoResearch

1713 Tulare, Suite 113
Fresno, California 93721
(209) 264-0444
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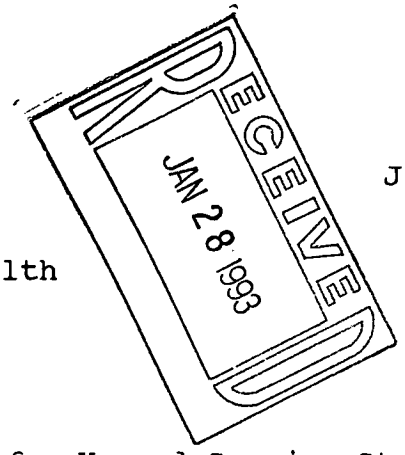

January 26, 1993

Mr. Terry Gray
Kern County Environmental Health
Services Department
2700 'M' Street, Suite 300
Bakersfield, California

RE: Tank Closure Report for Unocal Service Station 4734, 9068 West Grapevine Road, Lebec, California, GeoResearch Project #92075.

Dear Mr. Gray:

Enclosed please find one copy of the above-referenced report for your review. This report is transmitted to you upon the request of Mr. Bob Boust of Unocal.

Sincerely,

Warren W. Gross, C.E.G. #1528
Associate Geologist

cc: Mr. Bob Boust

TANK CLOSURE REPORT
UNOCAL SERVICE STATION 4734
9068 WEST GRAPEVINE ROAD
LEBEC, CALIFORNIA

prepared for

Unocal Refining and Marketing Division
2000 Crow Canyon Place, Suite 400
San Ramon, California

prepared by

GeoResearch,
a Division of GEOSERVICES,
a California Corporation,
1713 Tulare, Suite 113
Fresno, California 93721
(209) 264-0444

January 25, 1993
92075

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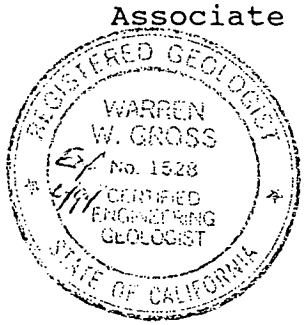
STATEMENT OF LIMITATIONS AND PROFESSIONAL CERTIFICATION

Information provided in this report for GeoResearch Project Number 92075 is intended exclusively for Unocal Corporate Environmental Remediation and Technology for the evaluation of petroleum hydrocarbon occurrence as it pertains to the subject site at the time the data were collected. The professional services have been performed in accordance with practices generally accepted by professional geologists, hydrologists, engineers, and environmental specialists. No other warranty, expressed or implied, is made. As with all subsurface investigations, there is no guarantee that the work conducted will identify any and all sources or locations of contamination. This report is issued with the understanding that Unocal Corporate Environmental Remediation and Technology is responsible for ensuring that the information contained in this report is brought to the attention of the appropriate regulatory agency. The enclosed report has been reviewed by an engineering geologist certified in the state of California and whose signature and certification number appear below.

Blair Redfearn
Senior Staff Geologist

Warren W. Gross, C.E.G. No. 1528
Associate Geologist



EXECUTIVE SUMMARY

In October of 1992, GeoResearch observed the demolition of Unocal Service Station No. 4734 located at 9068 West Grapevine Road, Lebec, California. The USTs and associated product lines and dispensers were removed, soil samples were collected from these areas, and laboratory analysis was completed. The purpose of our activities was to observe and document the condition of soils with respect to the presence of petroleum hydrocarbons and other tested analytes, direct the removal of these soils, and prepare a written report presenting the results of these efforts.

Soils containing petroleum hydrocarbons were identified in five areas: 1) beneath the dispenser islands, 2) beneath the gasoline/diesel USTs, 3) the southeast corner of the property where a possible radiator repair area was located, 4) along the northern property boundary, and 5) beneath the concrete paving immediately east of the gasoline USTs.

Areas 2) through 5) were successfully remediated by excavation. The impacted soil was excavated and confirmation samples were collected which indicated that any significant concentrations of petroleum hydrocarbons had been removed.

Approximately 300 cubic yards of soil was excavated from beneath the west dispenser island to a depth of 37 feet bgs. Confirmation samples collected from the excavation's north and east sidewalls suggest that significant concentrations of hydrocarbons have been largely removed from these areas.

The source of the gasoline release appeared to have been near the dispensers on the north end of the west island. Below a depth of approximately ten feet bgs, the gasoline appeared to have traveled vertically with little lateral spreading due to the coarse and permeable nature of the soils. Soils with significant concentrations of gasoline appear to have been removed above a depth of approximately 30 feet bgs. Soil samples collected from the excavation's south and west sidewalls demonstrate that concentrations of TPH-G as high as 3,500 mg/kg are present beyond the limits of the excavation. Additional soil sampling and analysis below a depth of 35 feet bgs will be necessary to establish the limit of vertical migration of gasoline.

Approximately 1,200 cubic yards of soil was excavated and stockpiled on-site. Of this 1,200 cubic yards of soil, approximately 700 cubic yards was utilized as backfill. Approximately 300 cubic yards of soil was transported to Laidlaw's Class II disposal facility as non-hazardous. Approximately 200 cubic yards of boulders were removed from the stockpiled soil and disposed.

1.0 INTRODUCTION

In October of 1992, GeoResearch observed the demolition of Unocal Service Station No. 4734 located at 9068 West Grapevine Road, Lebec, California (Figure 1). During that time, the USTs and associated product lines and dispensers were removed. Soil samples were collected from these areas and laboratory analysis was completed. The work was completed in accordance with a California Business Plan Remedial Action Plan (CBP RAP) which was submitted to Unocal and authorized by Mr. Robert Boust on May 13, 1992.

The purpose of our activities was to observe the condition of soil underlying the station facilities, document the condition of soils with respect to the presence of petroleum hydrocarbons and other tested analytes, direct the removal of these soils, and prepare a written report presenting the results of these efforts. Mr. Boust also authorized GeoResearch to direct excavation of stained soil adjacent to the station (north) on Tejon Ranch property (not a part of the station lease). Mr. Jeff Warren of Tejon Ranch authorized the work. Investigation of the fate of discharged surface drainage into on-site storm drains is not included in this report.

Station demolition was conducted by Wegener Construction Company of Bakersfield, California. Soil samples were submitted to GEOTEST of Long Beach, California, a state of California Department of Health Services (CAL-DOHS)-certified laboratory. Soil samples required by the Kern County Environmental Health Services Department (KCEHSD) were collected under the direction of Hazardous Materials Specialist, Mr. Chris Finberg. Permits, uniform hazardous waste manifest, tank disposition documentation, and soil compaction certifications were provided by Wegener (Appendix A).

Two 10,000-gallon steel gasoline USTs (super and regular), one 10,000-gallon fiberglass diesel UST, and one 280-gallon steel waste-oil UST were located on the site (Figure 2). Also located on the site were eight fuel dispensers on two service islands, two automotive hoists located in the service bays, three abandoned and filled seepage pits, one abandoned septic tank, and a separate garage building.

2.0 SITE BACKGROUND

The site is located adjacent to Interstate 5 at the Grapevine exit, approximately 20 miles south of Bakersfield and 9 miles north of Lebec, California. The Unocal station occupied the site from 1961 until October, 1992 under a lease agreement with Tejon Ranch. A Texaco service station is located directly across Grapevine Road (identified on Figures 2 and 3 as "Frontage Road") from the station. An unlined drainage channel passes along the south side of the site. A restaurant formerly located east of the site burned

approximately six years ago and the building was demolished. The land remains unimproved.

GeoResearch reviewed a Phase I Environmental Site Assessment report prepared for the subject property (PHR, 1991). The report states that a leak in a super (92 octane) product dispenser was discovered and repaired in June of 1981. The piping to the dispensers had been replaced the previous month. Unocal files reportedly contained no information regarding remedial activities or even the location of the leak. Mr. Rose recalled that the repair had taken place but was unable to recall which dispenser had been involved. The Phase I report indicated that Unocal files did not contain information regarding UST replacement since the original UST installation in 1961. Mr. Rose, the former station manager, reported that the tanks were replaced after he acquired the dealership in 1977.

A phase II investigation was conducted by GeoResearch at the site in January of 1992 (GeoResearch, 1992). This investigation included drilling sixteen soil borings near the former USTs, dispenser islands, seepage pits, and near the southeast corner of the detached garage (Figure 2). Additional borings were drilled north and east of the station on Tejon Ranch property. This investigation located the presence of petroleum hydrocarbons in three areas on the site: below the north end of the easternmost dispenser island (island closest to the building) where a crack in the island was receiving gasoline spillage, beneath the concrete paving near the gasoline USTs, and near the southeast corner of the detached garage. The southeast corner of the detached garage was reported to have been a radiator repair area prior to Mr. Rose's acquisition of the property.

3.0 GEOLOGY/HYDROLOGY

Soils beneath the site consist of Pleistocene age material of the Tulare formation which is derived from alluvium and bedrock off the Tehachapi Mountains approximately one-half mile to the south (personal communication with KCEHSD geologist, Tom Haselbacher). As observed during the phase II investigation and excavation activities, shallow soils consist predominantly of silts and silty sands. Coarse granitic gravels, cobbles, and boulders were encountered from near the surface to 45 feet bgs.

According to Mr. Haselbacher, ground water in the vicinity of the site is estimated to be 1,000 to 1,200 feet bgs. An unlined drainage channel passes to the south of the site (Figures 1 and 2).

4.0 OBSERVATIONS/PROCEDURES

During the removal of the buildings and surface paving, GeoResearch personnel observed the soil conditions. Areas in which soil samples were required by the KCEHSD, as well as in other suspect areas, were marked for accurate relocation after station demolition. Soils in suspect areas were monitored with an organic vapor analyzer (OVA) for a preliminary indication of the presence of hydrocarbons.

For soil sample identification purposes, the Diesel UST was designated T1, the southernmost gasoline UST as T2, and the northernmost gasoline UST as T3. The waste-oil UST was designated as WO. Soil samples were identified by their location and depth. For example, sample # T1-N-14 was collected beneath the north end of T1 (diesel UST) at a depth of 14 feet bgs. Soil samples collected near the product lines were designated PL#-depth. Soil samples collected near the automotive hoist were designated H#-depth. Soil samples collected near the fuel dispensers were designated D#-depth. Stockpile samples were designated SP-#. The remaining soil samples were designated SS#-depth.

Soil samples were collected in accordance with KCEHSD requirements and according to standard GeoResearch procedures (Appendix B). Mr. Finberg was on site during the required sampling activities. Additional soil was removed from areas in which laboratory data indicated petroleum hydrocarbons remained. Confirmation samples were subsequently collected and analyzed for the appropriate constituents.

Ninety three soil samples were collected and preserved for laboratory analysis (Figures 3 and 4). An additional 53 soil samples (composited into 19 samples for analysis) were collected from excavated soil stockpiles (Figure 8).

4.1 SERVICE BAY AREA

A clarifier near the northernmost automotive hoist contained approximately 80 gallons of bright yellow-green liquid. The liquid was subsequently pumped out by M.P. Environmental Service Inc. of Bakersfield, California for disposal with other rinsate removed from the gasoline, diesel, and waste-oil USTs. These fluids were transported to Gibson Oil Refining and Recycling of Bakersfield, California (Appendix A).

Neither the concrete clarifier vault nor the underlying soil was stained or showed evidence of leakage when it was removed. Soil beneath the two automotive hoists (8 feet bgs) did not appear to be stained or show evidence of leakage.

4.2 UST EXPOSURE

Soil beneath the concrete slab covering the gasoline USTs was stained black. This staining was consistent with the UST overspill and seepage of automotive fluids into cracks in the concrete. This surficial staining extended east of the USTs toward the eastern property boundary to a depth of approximately 4 feet bgs (Figure 3). Approximately 75 cubic yards of soil was subsequently excavated to remove the stained soil. Confirmation samples were collected in the underlying unstained soil (Figure 3). The soil was stockpiled separately on-site (samples SP-5 through SP-7 and SP-14 through SP-16, Figure 8).

A 10-inch Transite water main was located approximately 2-feet bgs trending east-west across the site and immediately adjacent to the southern edge of the gasoline UST pit. Prior to removing the surface material off the USTs, the water main was capped at points east and west of the gasoline USTs under the direction of Tejon Ranch personnel. Capping the water main facilitated re-routing the water supply around the gasoline USTs so they could be excavated and removed. The section of water main which was visible in the UST pit was removed.

The diesel UST pit had been backfilled with pea gravel. The pea gravel above the tank near fill port (center) was stained brown and contained strong diesel odors. This stained pea gravel was removed and stockpiled separately.

Soil above and surrounding the waste-oil UST was not observed to be stained or show evidence of overfill or leakage.

4.3 UST REMOVAL

The gasoline and waste-oil USTs appeared rusted with moderate corrosion pitting upon their removal. No holes were observed in the USTs. The fiberglass diesel UST appeared to be in good condition without evidence of cracks or leaking seams.

Soil from 16 to 18 feet bgs beneath the east end of the gasoline USTs was stained gray-green and possessed gasoline odors. Approximately 220 cubic yards of soil was removed from the gasoline UST pit to unearth the tanks and remove soil with evidence of petroleum hydrocarbons. The soil was stockpiled on-site and stockpile samples were collected (soil samples SP-1 through SP-4 and SP-8 through SP-13).

The pea gravel beneath the center of the diesel UST was stained brown. The pea gravel backfill extended to a depth of approximately 15 feet bgs. This pea gravel as well as the underlying stained soil was excavated and removed to a depth of 19 feet bgs (approximately 40 cubic yards). Approximately 120 cubic

yards of soil which did not contain notable evidence of diesel fuel was removed from the top, sides, and beneath each end of the diesel UST. These soils were stockpiled separately on-site and stockpile samples were collected (soil samples SP-23 through SP-30).

Soil beneath the waste-oil UST was not noticeably stained and did not show evidence of a hydrocarbon release. Approximately 15 cubic yards of soil was removed from the waste-oil pit (to facilitate UST removal) and stockpiled on-site. Soil samples SP-17 through SP-19 were collected from the stockpiled soil.

4.4 PRODUCT LINES/DISPENSER ISLANDS

Black-stained soil with gasoline odors was observed adjacent to the dispenser islands immediately below the concrete paving. This soil was removed during the subsequent excavation of soil from beneath the islands.

The fiberglass gasoline product lines extended from the USTs to the west sides of the dispenser islands (Figure 3). The diesel product line extended from the diesel UST to the east side of the diesel dispenser (west island, south end). Abandoned steel product lines were found extending from the gasoline UST pit to the east sides of the dispenser islands. According to Wegener Construction, all the product lines had been purged prior to their arrival. No product was encountered during the line removal.

Pea gravel and soil beneath a product line elbow, adjacent to the former diesel dispenser, was saturated with diesel. Subsequent excavation and soil sampling demonstrated that diesel fuel in these soils was limited to less than 3 feet bgs in vertical extent.

Three air/water dispensers were located on each island; one at each end and one in the center (Figure 4). These air/water dispensers were constructed of 6-inch square metal housings which were placed in the ground to a depth of approximately 9 feet bgs. When the dispenser islands were removed, soil beneath the north ends and centers of the islands was observed to be stained dark greenish-black and contain very strong gasoline odors. When the air water dispensers were removed from the north ends and the centers of the islands, they were observed to be coated with the same greenish-black soil as was observed immediately beneath the islands.

Soil samples were collected under the direction of Mr. Finberg at 2 and 6 feet below the product lines and the fuel dispensers at 15 feet intervals (Figure 3). The product lines were approximately 1 foot bgs near the fuel islands. Soil beneath the north ends of both dispenser islands was stained black and contained strong gasoline odors. Soil samples collected from the required locations beneath the dispensers (D1-7 and D4-7) confirmed that hydrocarbons were present.

Sampling trenches at the north end of each island were excavated to depths of 15 feet bgs for the east island and 21 feet bgs for the west island (Figures 5 and 6). These excavations were completed to define the vertical extent of gasoline in the soil prior to the soil's actual removal. Soil encountered were primarily course with some silt and abundant cobbles to boulders. Laboratory results for soil samples D1-21 and D4-15 suggested that the vertical limit of the hydrocarbons had been reached (Figure 6). Both of these excavations were temporarily backfilled and marked for re-location following the USTs removal, when space was made available for the excavation of the affected soil.

Soil was excavated beneath the east dispenser island until laboratory results of confirmation samples indicated that soil containing petroleum hydrocarbons had been adequately removed (Figures 3 and 4). Black soil staining was observed in this area to a depth of 10 feet bgs. Soil was excavated to a depth of 20 feet bgs. Approximately 200 cubic yards of soil was excavated and stockpiled on-site from beneath the north end of the east island. Soil samples were collected from the stockpiles and submitted to GEOTEST (SP-38 through SP-47).

Gasoline odors were encountered in soil beneath the north end of the west dispenser island to depths greater than 21 feet bgs (Figure 4). Field observations and laboratory data indicated that the vertical limit of the gasoline in soil had not been reached. Ramps were excavated in the north and south walls of the excavation (Figure 4). From these ramps, the excavator was able to remove soils containing petroleum hydrocarbons to a depth of 37 feet bgs. Soils were similar to those described above (coarse with cobbles to boulders) with no apparent bedding. The deposits appeared to be of high permeability. During the removal of soil below 30 feet bgs, boulders were encountered as large as 3 feet in diameter. Field observations indicated that all soils containing gasoline were removed above a depth of approximately 30 feet bgs.

The 10-inch water main located south of the west island prevented further excavation from the north. According to laboratory reports for confirmation samples, hydrocarbons were still present in the bottom of the excavation, at depths in excess of 35 feet bgs. Further excavation in this area was impractical with the available equipment. Approximately 300 cubic yards of soil and boulders was excavated and stockpiled on-site from this area. Soil samples were collected from the stockpiles and submitted to GEOTEST (SP-31 through SP-37).

4.5 RADIATOR REPAIR AREA

Approximately 25 cubic yards of soil was excavated from near the southeast corner of the former detached garage and stockpiled on-site (Figure 3). Soil samples SP-20 through SP-22 were collected

from the stockpiled soil (Figure 8). During the previous GeoResearch investigation at the site, petroleum hydrocarbons were identified in this area at a depth of 5 feet bgs. On the basis of the previous investigation's findings, soil was excavated to a maximum depth of 8 feet bgs and confirmation samples were collected. Soil discoloration or evidence of hydrocarbon releases were not evident at the surface or beneath the surface.

4.6 NORTHERN PROPERTY BOUNDARY

Soils north of the station lease were previously identified (GeoResearch, 1992) as an area which regularly received surface runoff containing automotive fluids (Figure 3). Soil staining was visible from the surface to a depth of approximately 3 to 5 feet bgs. All soils with visible staining were removed (approximately 200 cubic yards) and stockpiled on-site. Soil samples SP-48 through SP-53 were collected from the stockpiled soil.

4.7 SEEPAGE PITS

According to site diagrams provided by Unocal, two seepage pits were located north of the station lease (Figure 3). Only one of these seepage pits was found. The concrete top of the pit was found at approximately 2 feet bgs. The seepage pit had been backfilled with concrete to within approximately 3 feet of the surface (Figure 3).

The seepage pit shown on the site plan east of the former station was not located during the site observations. It is assumed that the pit was backfilled and abandoned as Unocal's general arrangement plan indicates (see PHR,1991).

5.0 LABORATORY RESULTS

5.1 ANALYTICAL PROCEDURES

Selected soil samples were analyzed on-site by GEOTEST. The information obtained from the mobile laboratory was utilized to direct the scope of further site investigations.

Analyses completed in the mobile laboratory included total petroleum hydrocarbons as gasoline (TPH-G) and total petroleum hydrocarbons as diesel (TPH-D) in accordance with Cal/DOHS methods, benzene, toluene, ethylbenzene, and total xylenes (BTEX) according to EPA Method 8020, and total recoverable petroleum hydrocarbons (TRPH) according to EPA Method 418.1 (Appendix C).

Selected soil samples were analyzed by GEOTEST in Long Beach for TPH-D, TPH-G, TRPH, and for halogenated volatile organics according to EPA Method 8010. Selected samples were submitted to Core Laboratories of Anaheim, California to be analyzed for total organic halocarbons (TOX) in accordance with EPA Methods. Laboratory results and chain-of-custody documents are included in Appendix D. Soil sample numbers marked with a diamond in Tables 1 through 7 indicate soils which were subsequently excavated.

5.2 GASOLINE, DIESEL, AND WASTE-OIL USTs

According to laboratory reports, soil collected beneath the center of the diesel UST at 17 feet bgs (sample T1-C-17) contained 2,200 mg/kg TPH-D with no BTEX detected (Table 1, Figure 3). Sample T1-C-19 collected at 19 feet bgs, did not contain of TPH-D; however, did contain toluene and total xylenes (0.006 and 0.016 mg/kg, respectively). T1-N-14 contained 0.019 mg/kg total xylenes. No other samples obtained beneath the diesel UST were found to contain hydrocarbons. Soil samples were also collected from each sidewall of the diesel pit (SS13-17, SS14-17, SS15-18, and SS16-18) at 17 and 18 feet bgs. None of these sidewall samples were reported to contain TPH-D or BTEX.

According to laboratory reports, a soil sample collected beneath the west end of the southernmost gasoline UST at 18 feet bgs (T2-W-18) contained 150 mg/kg TPH-G and low concentrations of toluene, ethylbenzene, and total xylenes (Table 2). Soil sample T2-W-20 was collected at 20 feet bgs was not reported to contain TPH-G or BTEX. A TPH-G concentration of 3.5 mg/kg was reported in soil collected beneath the east end of the UST at 19 feet bgs (T2-E-19) with no BTEX detected.

Mr. Finberg requested that samples be collected from stained soil beneath the east end of the northernmost gasoline UST. In this sample, soil containing TPH-G at 170 mg/kg was reported at 16 feet bgs (T2-E-16, T3-E-16). Traces of toluene, ethylbenzene, and total xylenes were also reported in this sample. Soil sample T3-E-18 was collected at 18 feet bgs at the same location and contained TPH-G at 1.3 mg/kg and total xylenes of 0.018 mg/kg. Sidewall samples collected in the gasoline UST pit at 18 feet bgs (SS5-18, SS6-18, SS7-18, and SS8-18) were not reported to contain TPH-G or BTEX.

Soil collected beneath the waste-oil UST was collected at 10 and 14 feet bgs (WO-C-10 and WO-C-14) (Table 3). Samples collected from the bottom of the excavation were analyzed for TRPH, total lead, and TOX. According to laboratory reports, TRPH and TOX were not detected. Total lead was reported to be 3.1 mg/kg and 2.3 mg/kg in samples WO-C-10 and WO-C-14, respectively. Soil samples were also collected from the excavation sidewalls at 13 feet bgs (SS9-13, SS10-13, SS11-13, and SS12-13). The sidewall samples were not reported to contain TRPH.

According to laboratory reports, three of the samples (SS2-2, SS3-2, and SS4-2) collected from east of the gasoline USTs were reported to contain no TRPH above detection limits (Figure 3, Table 5). Sample SS1-2 was reported to contain a TRPH concentration of 62 mg/kg.

5.3 REQUIRED DISPENSER ISLAND SAMPLING

Soil samples were collected at 2 and 6 feet beneath each set of fuel dispensers located at the ends of the dispenser islands as required by the KCEHSD (Table 4). Soil samples collected near the south end of the east island (D3-3 and D3-7), were analyzed for TPH-G and BTEX. Sample D3-3 was not reported to contain TPH-G or BTEX. Sample D3-7 was not reported to contain TPH-G; however, did contain 0.007 mg/kg toluene. Sample D3-3 was not reported to contain TRPH.

Soil samples collected near the south end of the west island (D2-3 and D2-7) were analyzed for TPH-D, TPH-G, and BTEX. Sample D2-3 was not reported to contain TPH-D, TPH-G, or BTEX. Sample D2-7 was not reported to contain TPH-G or TPH-D; however, did contain 0.007 and 0.009 mg/kg benzene and toluene, respectively. Sample D2-3 was not reported to contain TRPH.

Soil samples collected near the north end of the east island were analyzed for TRPH, TPH-G, and BTEX. Sample D4-3, collected at 3 feet bgs, was reported to contain 1,400 mg/kg TRPH, 1,200 mg/kg TPH-G, and 0.28, 39, 15, and 78 mg/kg BTEX, respectively. Sample D4-7, collected at 7 feet bgs, was reported to contain 1,200 mg/kg TRPH, 4,500 mg/kg TPH-G, and 0.84, 100, 59, and 660 mg/kg BTEX, respectively.

Soil samples collected near the north end of island #2 were analyzed for TPH-G, and BTEX. According to laboratory reports, sample D1-3 contained 14 mg/kg TPH-G and 0.098, 0.47, 0.16, and 1.5 mg/kg BTEX, respectively. Sample D1-7 was reported to contain 1,100 mg/kg TPH-G and 3.8, 12, 12, and 110 mg/kg BTEX, respectively. D1-7 was reported to contain 330 mg/kg TRPH.

Soil samples were collected along the product lines south of the dispenser islands at 3 and 7 feet bgs. According to laboratory reports, these samples did not contain TPH-G, TPH-D, benzene, ethylbenzene, or total xylenes; however, one sample contained toluene near the detection limit (Table 4).

5.4 DISPENSER ISLAND EXCAVATIONS

5.4.1 East Dispenser Island

Soil excavation and sampling was conducted in addition to that required by the KCEHSD beneath the dispenser islands. Soil samples were collected beneath the east island at 4 and 8 feet bgs where a crack in the island apparently acted as a conduit for spilled gasoline (D5-4 and D5-8). Soil sample D5-4 was not reported to contain TPH-G or BTEX. Soil sample D5-8 was reported to contain 2.0 mg/kg TPH-G and toluene, ethylbenzene, and total xylenes of 0.026, 0.012, and 0.29 mg/kg, respectively.

Soil beneath the northern half of the east island was excavated to a depth of 20 feet bgs (Figures 4 through 7). Soil samples D4-11, D4-15, and D4-20 were collected at 11, 15, and 20 feet bgs. Soil sample D4-11 was reported to contain 1,600 mg/kg TRPH. Soil sample D4-15 was reported to contain 5.3 mg/kg TPH-G and toluene, ethylbenzene, and total xylenes of 0.19, 0.067, and 0.60 mg/kg respectively. This sample was not reported to contain TRPH. Soil sample D4-20 was not reported to contain TPH-G or benzene; however, did contain 0.011, 0.009, and 0.097 mg/kg toluene, ethylbenzene, and total xylenes, respectively.

Excavation beneath the east island continued until laboratory data indicated that the hydrocarbons had been adequately removed. Confirmation samples collected from each sidewall of the excavation (SS27-15, SS28-15, SS29-15, and SS30-15) were analyzed for TPH-G and BTEX. According to laboratory reports, none of the sidewall samples contained TPH-G. One sample (SS29-15) was reported to contain toluene and total xylenes of 0.006 and 0.016 mg/kg, respectively. The other three sidewall samples were not reported to contain BTEX.

5.4.2 West Dispenser Island

Soil beneath the north end of west island was sampled at 10 and 21 feet bgs (D1-10 and D1-21) for a preliminary assessment of the vertical extent of TPH-G/BTEX. Sample D1-10 was reported to contain TPH-G at 3,000 mg/kg and BTEX at 0.43, 41, 44, and 530, respectively. Sample D1-21 was reported to contain TPH-G at 8.9 mg/kg and toluene, ethylbenzene, and total xylenes of 0.007, 0.010, and 0.11 mg/kg, respectively.

The north end of the west island was excavated to a depth of 21 feet bgs. Field observations and OVA readings at 21 feet bgs indicated that gasoline was still present. Excavation continued to a depth of 30 feet bgs and confirmation samples were collected from the excavation bottom and the sidewalls (D1-30, SS33-29, SS34-29, SS35-29, and SS36-29). Soil sample D1-30, collected from the

excavation bottom at 30 feet bgs contained TPH-G at 2,900 mg/kg and BTEX of 0.043, 64, 53, and 450 mg/kg, respectively. Soil sample SS34-29, collected from the north sidewall at 29 feet bgs, contained TPH-G at 1,600 mg/kg and toluene, ethylbenzene, and total xylenes of 6.8, 12, and 100 mg/kg, respectively. Soil sample SS35-29, collected from the east sidewall, contained a TPH-G at 320 mg/kg and BTEX of 0.006, 0.22, 0.45, and 6.1 mg/kg, respectively. Soil samples SS33-29 and SS36-29 were not analyzed.

Excavation of soil containing TPH-G/BTEX continued to a depth of 37 feet bgs. Soil samples were collected from the excavation sidewalls at 35 feet bgs (SS37-35, SS38-35, SS39-35, and SS40-35). Soil sample SS37-35, collected from the north sidewall was not reported to contain TPH-G or BTEX. Soil sample SS39-35, collected from the east sidewall was not reported to contain TPH-G; however, did contain traces of toluene and total xylenes. Soil sample SS38-35, collected from the south sidewall, was reported to contain TPH-G at 3,500 mg/kg and BTEX at 0.013, 69, 58, and 530 mg/kg, respectively. Soil sample SS40-35, collected from the west sidewall, was reported to contain TPH-G at 3,300 mg/kg and BTEX of 0.030, 57, 50, and 400 mg/kg, respectively.

5.5 RADIATOR REPAIR AREA

Four soil samples (SS23-6, SS24-2, SS25-2, and SS26-6) were collected in the former radiator repair area. According to laboratory reports, soil from this area contained TRPH as high as 72 mg/kg (Table 5). This soil was subsequently excavated, stockpiled on-site, and confirmation samples SS31-5 and SS32-8 were collected at 5 and 8 feet bgs. These confirmation samples were not reported to contain detectable concentrations of TRPH (Table 5).

5.6 NORTHERN PROPERTY BOUNDARY

Six soil samples were initially collected from this area at 2 and 3 feet bgs after the visually stained soil had been removed (SS17-2, SS18-3, SS19-3, SS20-3, SS21-3, and SS22-3) (Table 6). TRPH was reported to range from non-detectable to as high as 110 mg/kg (SS20-3). Subsequently, additional soil was removed and soil sample SS20-5 was collected. This sample was reported to contain 73 mg/kg TRPH. Additional soil was removed and sample SS20-6 was collected at 6 feet bgs and was not reported to contain TRPH.

6.0 STOCKPILED SOIL/SOIL DISPOSAL

Approximately 1,200 cubic yards of soil was excavated and stockpiled on-site, in 12 different stockpiles, from the excavation activities (Figure 8). Fifty-three soil samples were collected to characterize the stockpiles. The soil samples were composited into

19 samples by GEOTEST and analyzed for TPH-G, BTEX, TPH-D, or TRPH (Table 7, Figure 8).

Approximately 300 cubic yards of soil removed from the diesel and waste-oil UST excavations, area east of the gasoline USTs, radiator repair area, and the northern property boundary was disposed off-site. The soil was transported by Dillard Trucking of Byron, California to Laidlaw Environmental Services Inc. of Buttonwillow, California for disposal as non-hazardous waste (Appendix A). These soils were characterized by the analysis of samples SP-5 through SP-7, SP-14 through SP-30, and SP-48 through SP-53, as shown in Table 7. Average TRPH and TPH-D concentrations in the disposed soils were approximately 400 and 1,050 mg/kg, respectively.

Approximately 300 cubic yards of soil from the dispenser excavation which had been reported to contain TPH-G as high as 400 mg/kg, remained on-site. Approximately 200 cubic yards of boulders were removed from the stockpile by Whitten Excavation (subcontractor to Wegener Construction) and hauled to a local landfill in Gavin, California for disposal as unclassified material. During the removal of the boulders, the soil was monitored with the OVA in accordance with the San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD) guidelines. At no time did the concentration of volatiles, as measured by a properly calibrated h-nu photoionization detector, exceed 50 ppm within 3-inches of the soil surface. The remaining 100 cubic yards of soil was re-sampled and analyzed by GEOTEST for TPH-G and BTEX (SP1-4, SP2-2, SP3-2, SP4-4, and SP5-1). According to laboratory reports, TPH-G ranged from 19 to 24 mg/kg. The only BTEX constituents detected were total xylenes. Total xylenes were reported to range from non-detectable to 0.034 mg/kg (Table 6). Verbal permission from Mr. Finberg of the KCEHSD was subsequently granted to utilized this soil as backfill for the excavations located near the southeast corner and north side of the station lease.

7.0 BACKFILL/COMPACTION

Backfill and compaction of the excavations was performed by Whitten Excavation under the direction of Wegener Construction Company. Compaction certification was provided by Smith and Associates of Bakersfield, California (Appendix A).

Prior to backfilling operations, Mr. Finberg approved the use of approximately 600 cubic yards of the stockpiled soil for use as backfill material (verbal communication to Mr. Blair Redfearn of GeoResearch, October 28, 1992). According to laboratory reports, this soil contained concentrations of TPH-G and TRPH of up to 24 and 71 mg/kg, respectively, with traces of ethylbenzene and total xylenes (SP-1 through SP-4, SP-8 through SP-13, and SP-38 through

SP-47, Table 7). This soil was utilized in the dispenser island excavation. The gasoline, diesel, and waste-oil excavations were backfilled with imported soil.

8.0 SUMMARY/CONCLUSIONS

GeoResearch observed the station demolition and removal of the USTs and appurtenances. The gasoline, diesel, and waste-oil USTs were observed to be in good condition without evidence of holes or leakage. Ninety-three soil samples were collected and preserved for laboratory analysis. An additional 53 soil samples (composited into 19) were collected from soil stockpiles on-site.

Soils containing petroleum hydrocarbons were identified in five areas:

1) Beneath the dispenser islands

2) Beneath the gasoline/diesel USTs

3) The southeast corner of the property where a radiator repair facility was reportedly historically located,

4) Along the northern property boundary

5) Beneath the concrete paving immediately east of the gasoline USTs

Areas 2) through 5) were successfully remediated by excavation. Confirmation samples were collected which indicated that significant concentrations of petroleum hydrocarbons had been removed. Soil beneath the east dispenser island was excavated to a depth of 20 feet bgs. According to laboratory reports, confirmation samples collected in the excavation demonstrate that the hydrocarbons have been removed.

Approximately 300 cubic yards of soil was excavated from beneath the west dispenser island to a depth of 37 feet bgs. Confirmation samples collected from the excavation's north and east sidewalls suggest that significant concentrations of hydrocarbons have been largely removed from these areas.

The source of the gasoline release appeared to have been near the dispensers on the north end of the west island. Below a depth of approximately ten feet bgs, the gasoline appeared to have traveled vertically with little lateral spreading due to the coarse and permeable nature of the soils. Soils with significant concentrations of gasoline appear to have been removed above a depth of approximately 30 feet bgs. Soil samples collected from the excavation's south and west sidewalls demonstrate that concentrations of TPH-G as high as 3,500 mg/kg are present beyond

the limits of the excavation. Additional soil sampling and analysis below a depth of 35 feet bgs will be necessary to establish the limit of vertical migration of gasoline.

Approximately 1,200 cubic yards of soil was excavated and stockpiled on-site. Of this 1,200 cubic yards of soil, approximately 700 cubic yards was utilized as backfill. Approximately 300 cubic yards of soil was transported to Laidlaw's Class II disposal facility as non-hazardous. Approximately 200 cubic yards of boulders were removed from the stockpiled soil and disposed.

9.0 REFERENCES

PHR Environmental Consultants, Inc., Phase I Environmental Site Assessment: Unocal Station No. 4734, Lebec, California, October 30, 1991.

GeoResearch Report No. 92075, Environmental Site Assessment for Unocal Service Station Number 4734, 9068 West Grapevine Road, Lebec, California, April 7, 1992.

TABLE 1

RESULTS OF LABORATORY ANALYSES OF SOIL SAMPLES
COLLECTED IN THE DIESEL UST EXCAVATION
UNOCAL SERVICE STATION NO. 4734
9068 WEST GRAPEVINE ROAD
LEBEC, CALIFORNIA

SAMPLE ID	SAMPLE DATE	TPH-D (DOHS) mg/kg	B	T	E	X
			EPA METHOD 8020 (mg/kg)			
T1-S-14	10/9/92	ND	ND	ND	ND	ND
T1-S-18	"	ND	ND	ND	ND	ND
♦T1-C-17	"	2200	ND	ND	ND	ND
T1-C-19	"	ND	ND	.006	ND	.016
T1-N-14	"	ND	ND	ND	ND	0.019
T1-N-18	"	ND	ND	ND	ND	ND
SS13-17	"	ND	ND	ND	ND	ND
SS14-17	"	ND	ND	ND	ND	ND
SS15-18	"	ND	ND	ND	ND	ND
SS16-18	"	ND	ND	ND	ND	ND
DETECTION LIMITS		10	1.0	0.005	0.005	0.015
		mg/kg				

Table notes following Table 7.

TABLE 2

RESULTS OF LABORATORY ANALYSES OF SOIL SAMPLES
COLLECTED IN THE GASOLINE UST EXCAVATION
UNOCAL SERVICE STATION NO. 4734
9068 WEST GRAPEVINE ROAD
LEBEC, CALIFORNIA

SAMPLE ID	SAMPLE DATE	TPH-G (DOHS) mg/kg	B	T	E	X
			EPA METHOD 8020 ------- (mg/kg) -------			
T2-W-14	10/9/92	ND	ND	ND	ND	ND
♦T2-W-18	"	150	ND	0.11	0.071	1.6
T2-W-20	"	ND	ND	ND	ND	ND
♦T2-E-14	"	38	ND	0.008	0.056	0.92
♦T2-E-16	"	11	ND	0.005	0.014	0.22
T2-E-19	"	3.5	ND	ND	ND	ND
T3-W-14	"	ND	ND	ND	ND	ND
T3-W-18	"	ND	ND	ND	ND	ND
T3-E-14	"	ND	ND	ND	ND	ND
♦T3-E-16	"	170	ND	0.019	0.20	4.1
T3-E-18	"	1.3	ND	ND	ND	0.018
SS5-18	"	ND	ND	ND	ND	ND
SS6-18	"	ND	ND	ND	ND	ND
SS7-18	"	ND	ND	ND	ND	ND
SS8-18	"	ND	ND	ND	ND	ND
DETECTION LIMITS		1.0	0.005	0.005	0.005	0.015
		----------mg/kg----------				

Table notes following Table 7.

TABLE 3

RESULTS OF LABORATORY ANALYSES OF SOIL SAMPLES COLLECTED
NEAR THE WASTE-OIL UST PIT/FORMER AUTOMOTIVE HOISTS
10/8/92 TO 10/9/92
UNOCAL SERVICE STATION NO. 4734
9068 WEST GRAPEVINE ROAD
LEBEC, CALIFORNIA

SAMPLE ID	TOTAL LEAD EPA METHOD 6010 mg/kg	TOX EPA METHOD 9020 (modified) mg/kg	TRPH EPA METHOD 418.1 mg/kg
AUTOMOTIVE HOIST			
H1-5	na	na	ND
H1-10	na	na	ND
H2-5	na	na	ND
H2-10	na	na	ND
WASTE-OIL UST PIT			
WO-C-10	3.1	ND	ND
WO-C-14	2.3	ND	ND
SS9-13	na	na	ND
SS10-13	na	na	ND
SS11-13	na	na	ND
SS12-13	na	na	ND
DETECTION LIMITS	1.0	10	50
	----------mg/kg----------		

Table notes following Table 7.

TABLE 4

RESULTS OF LABORATORY ANALYSES OF SOIL SAMPLES COLLECTED
BENEATH FUEL DISPENSERS AND PRODUCT LINES
10/8/92 THROUGH 10/13/92
UNOCAL SERVICE STATION NO. 4734
9068 WEST GRAPEVINE ROAD
LEBEC, CALIFORNIA

SAMPLE ID	TRPH EPA 418.1	TPH-D DOHS	TPH-G DOHS	B	T	E	X
				EPA METHOD 8020 ------ (mg/kg) ------			
WEST DISPENSER ISLAND							
♦D1-3	na	na	14	0.098	0.47	0.16	1.5
♦D1-7	330	na	1,100	3.8	12	12	110
♦D1-10	na	na	3,000	0.43	41	44	530
♦D1-21	na	na	8.9	ND	0.007	0.010	0.11
♦D1-27	na	na	49	0.008	0.079	0.12	1.5
♦D1-30	na	ND**	2,900	0.043	64	53	450
D1-37	na	750*	260	0.007	23	20	170
♦D2-3	ND	ND	ND	ND	ND	ND	ND
D2-7	na	ND	ND	0.007	0.009	ND	ND
♦D6-10	ND	na	ND	ND	ND	ND	ND
♦SS33-29	na	na	na	na	na	na	na
SS34-29	na	na	1,600	ND	6.8	12	100
♦SS35-29	na	na	320	0.006	0.22	0.45	6.1
♦SS36-29	na	na	na	na	na	na	na
SS37-35	na	na	ND	ND	ND	ND	ND
SS38-35	na	na	3,500	0.013	69	58	530
SS39-35	na	na	ND	ND	0.005	ND	0.018
SS40-35	na	na	3,300	0.030	57	50	400
EAST DISPENSER ISLAND							
♦D3-3	ND	na	ND	ND	ND	ND	ND
D3-7	na	na	ND	ND	0.007	ND	ND
♦D4-3	1,400	na	1,200	0.28	39	15	78
♦D4-7	1,200	na	4,500	0.84	100	59	660

Table 4 (Continued)

SAMPLE ID	TRPH EPA 418.1	TPH-D DOHS	TPH-G DOHS	B	T	E	X
				EPA METHOD 8020 ------ (mg/kg) ------			
♦D4-11	1,600	na	na	na	na	na	na
♦D4-15	ND	na	5.3	ND	0.19	0.067	0.60
D4-20	na	na	ND	ND	0.011	0.009	0.097
♦D5-4	na	na	ND	ND	ND	ND	ND
♦D5-8	na	na	2.0	ND	0.026	0.012	0.29
♦D7-6	ND	na	ND	ND	ND	ND	ND
SS27-15	na	na	ND	ND	ND	ND	ND
SS28-15	na	na	ND	ND	ND	ND	ND
SS29-15	na	na	ND	ND	0.006	ND	0.016
SS30-15	na	na	ND	ND	ND	ND	ND
PRODUCT LINE SAMPLES							
PL1-3	ND	ND	ND	ND	ND	ND	ND
PL1-7	na	ND	ND	ND	ND	ND	ND
PL2-3	na	ND	na	ND	ND	ND	ND
PL2-7	na	ND	na	ND	0.005	ND	ND
PL3-3	ND	ND	ND	ND	ND	ND	ND
PL3-7	na	ND	ND	ND	ND	ND	ND
DETECTION LIMITS	50	10	1.0	0.005	0.005	0.005	0.015
	----------mg/kg----------						

** Sample contains gasoline

* Note sample profile is similar to gasoline not diesel.

Table notes following Table 7.

TABLE 5

RESULTS OF LABORATORY ANALYSES OF SOIL SAMPLES
COLLECTED NEAR THE FORMER RADIATOR REPAIR AREA
AND EAST OF THE GASOLINE USTS
UNOCAL SERVICE STATION NO. 4734
9068 WEST GRAPEVINE ROAD
LEBEC, CALIFORNIA

SAMPLE ID	SAMPLE DATE	TRPH EPA 418.1
EAST OF GASOLINE USTs		
SS1-2	10/8/92	62
SS2-2	"	ND
SS3-2	"	ND
SS4-2	"	ND
FORMER RADIATOR REPAIR AREA		
♦ SS23-6	10/12/92	62
♦ SS24-2	"	53
♦ SS25-2	"	57
♦ SS26-6	"	72
SS31-5	10/13/92	ND
SS32-8	"	ND
DETECTION LIMITS		50 mg/kg

Table notes following Table 7.

TABLE 6

RESULTS OF LABORATORY ANALYSES OF SOIL SAMPLES
COLLECTED NEAR THE NORTHERN PROPERTY BOUNDARY
UNOCAL SERVICE STATION NO. 4734
9068 WEST GRAPEVINE ROAD
LEBEC, CALIFORNIA

SAMPLE ID	SAMPLE DATE	TRPH EPA 418.1
SS17-2	10/12/92	ND
♦SS18-3	"	59
SS19-3	"	ND
♦SS20-3	"	110
♦SS20-5	"	73
SS20-6	"	ND
SS21-3	"	63
♦SS22-3	"	92
DETECTION LIMIT		50 mg/kg

Table notes following Table 7.

TABLE 7

RESULTS OF LABORATORY ANALYSES OF COMPOSITED SOIL SAMPLES
COLLECTED FROM SOIL STOCKPILES
UNOCAL SERVICE STATION NO. 4734
9068 WEST GRAPEVINE ROAD
LEBEC, CALIFORNIA

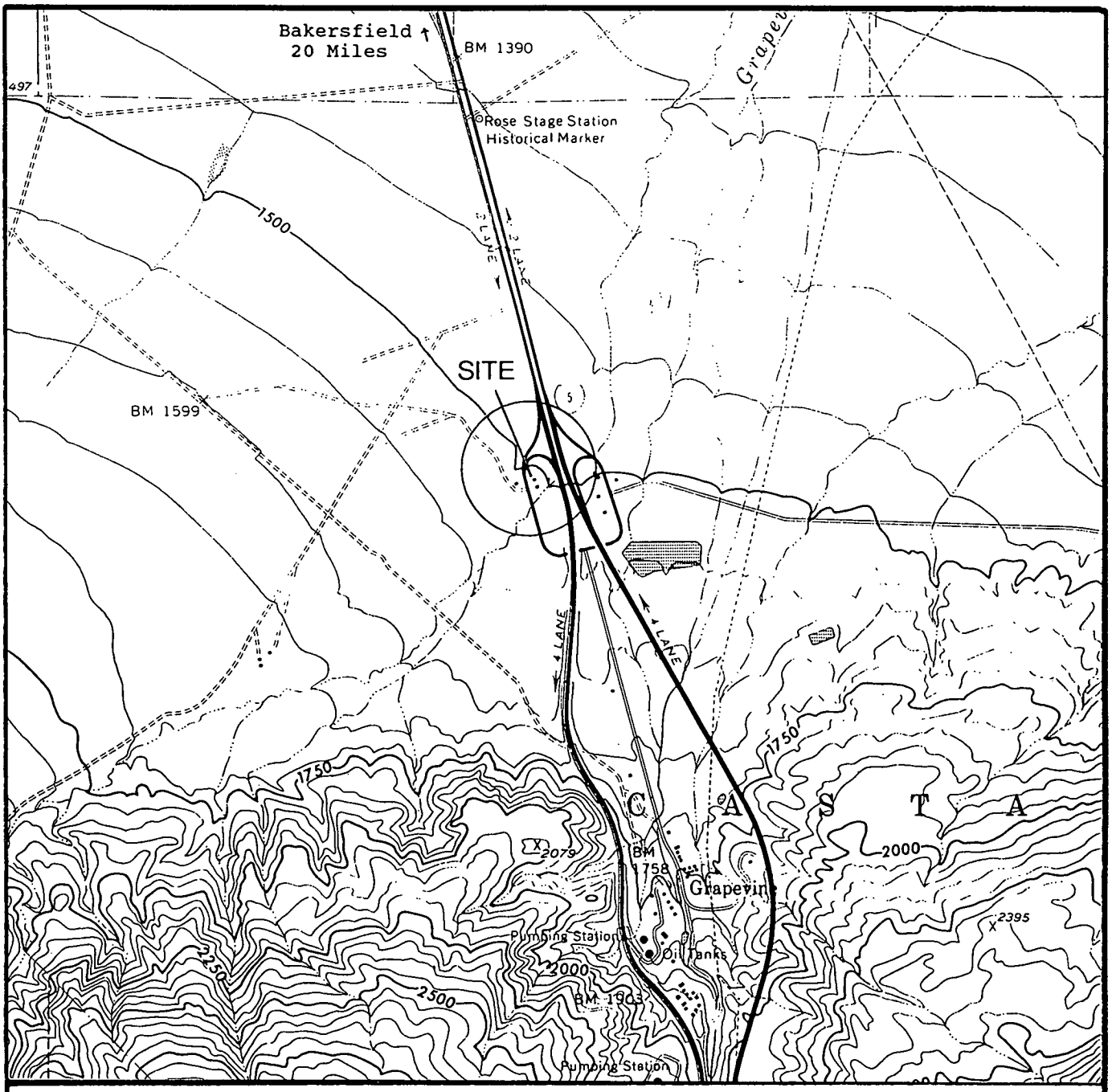
SAMPLE ID	TRPH EPA 418.1	TPH-D --CAL/DOHS--	TPH-G --CAL/DOHS--	B EPA 8020	T EPA 8020	E EPA 8020	X EPA 8020
SP-1 SP-2 SP-3 SP-4	ND	na	4.2	ND	ND	ND	0.016
SP-5 SP-6 SP-7	120	na	71	ND	ND	0.006	0.92
SP-8 SP-9 SP-10 SP-11 SP-12 SP-13	71	na	6.9	ND	ND	ND	0.037
SP-14 SP-15 SP-16	500	na	ND	ND	ND	ND	ND
SP-17 SP-18 SP-19	1,300	na	na	na	na	na	na
SP-20 SP-21 SP-22	120	na	na	na	na	na	na
SP-23 SP-24 SP-25	na	1100	na	ND	ND	ND	ND
SP-26 SP-27 SP-28 SP-29 SP-30	na	1000	na	ND	ND	ND	ND
SP-31 SP-32 SP-33	na	na	400	ND	1.7	2.8	34
SP-34 SP-35	na	na	160	ND	ND	0.016	1.5

TABLE 7 (Continued)

SAMPLE ID	TRPH EPA 418.1	TPH-D --CAL/DOHS--	TPH-G	B	T	E	X
				--------EPA 8020--------			
SP-36 SP-37	na	na	31	ND	ND	0.009	0.17
SP-38 SP-39	na	na	5.6	ND	ND	ND	ND
SP-40 SP-41	na	na	4.2	ND	ND	ND	ND
SP-42 SP-43	na	na	23	ND	ND	ND	0.068
SP-44 SP-45	na	na	24	ND	ND	0.009	0.032
SP-46 SP-47	na	na	4.4	ND	ND	ND	ND
SP-48 SP-49	220	na	na	na	na	na	na
SP-50 SP-51	190	na	na	na	na	na	na
SP-52 SP-53	410	na	na	na	na	na	na
SP1-4	na	na	24	ND	ND	ND	0.017
SP2-2	na	na	19	ND	ND	ND	ND
SP3-2	na	na	20	ND	ND	ND	0.019
SP4-4	na	na	23	ND	ND	ND	0.034
SP5-1	na	na	24	ND	ND	ND	0.021
DETECTION LIMITS	50	10	1.0	--------0.005--------			0.015
	----------mg/kg----------						

NOTES FOR TABLES:

TRPH	= Total Recoverable Petroleum Hydrocarbons
TPH-G	= Total Petroleum Hydrocarbons as Gasoline
TPH-D	= Total Petroleum Hydrocarbons as Diesel
TOX	= Total Organic Halogens
B	= Benzene
T	= Toluene
E	= Ethylbenzene
X	= total Xylenes
CAL/DOHS	= California Department of Health Services
EPA	= U.S. Environmental Protection Agency
mg/kg	= milligrams per kilogram
ND	= Not Detected at laboratory detection limits
na	= not analyzed
♦	= Sample represents soil which was excavated



NORTH

0 1/2 1 MILE

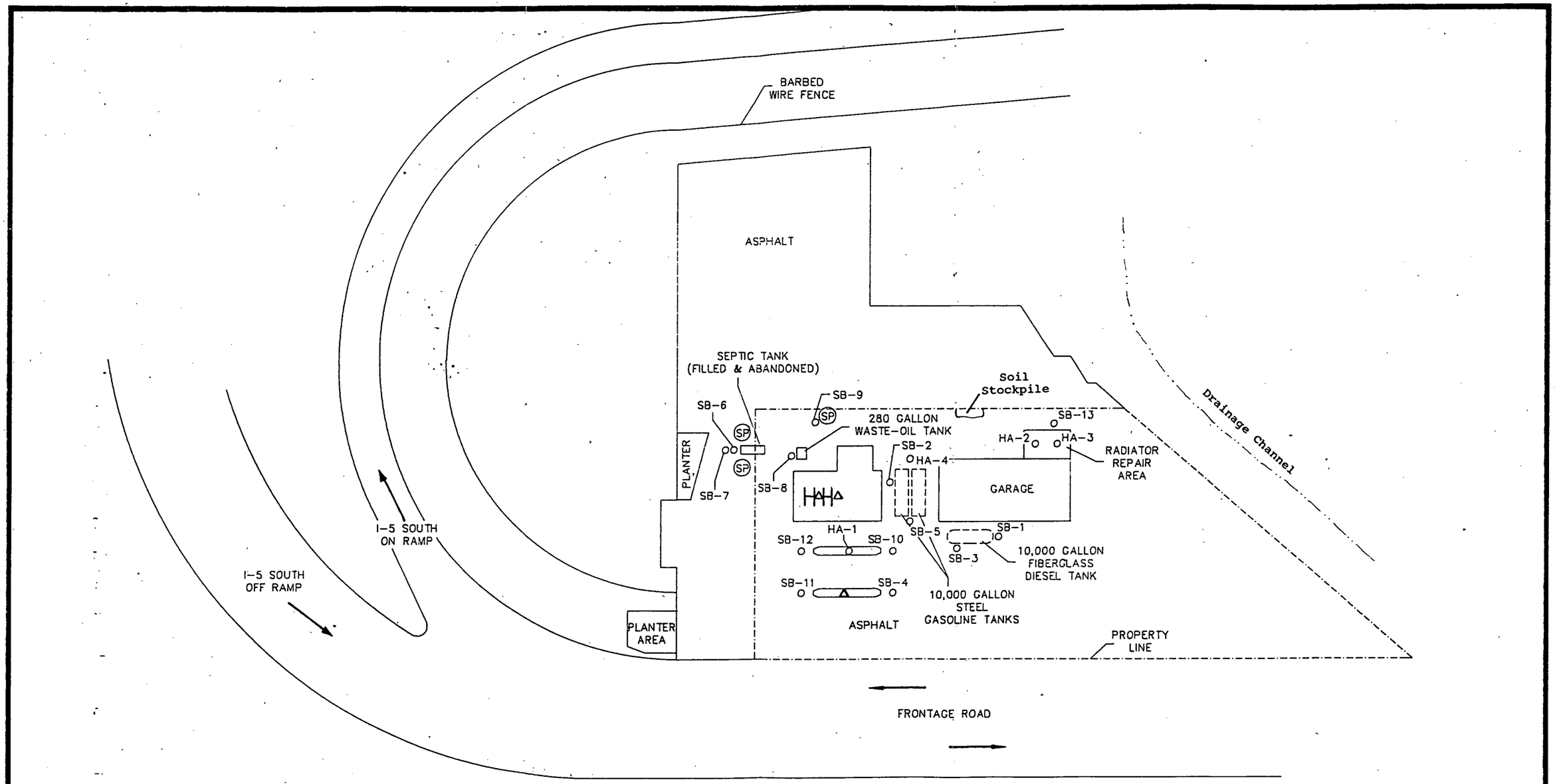
SCALE

REFERENCE:
U.S.G.S. GRAPEVINE QUADRANGLE, 1958,
PHOTOREVISED 1974

GeoResearch

SITE LOCATION
UNOCAL SERVICE STATION 4734
9608 WEST GRAPEVINE
LEBEC, CALIFORNIA
PROJECT NUMBER: 92075

DATE: 2/25/92	CKD BY:	FIGURE NO: 1
FILE NO: TOPO		DRAWN BY: S.NASH



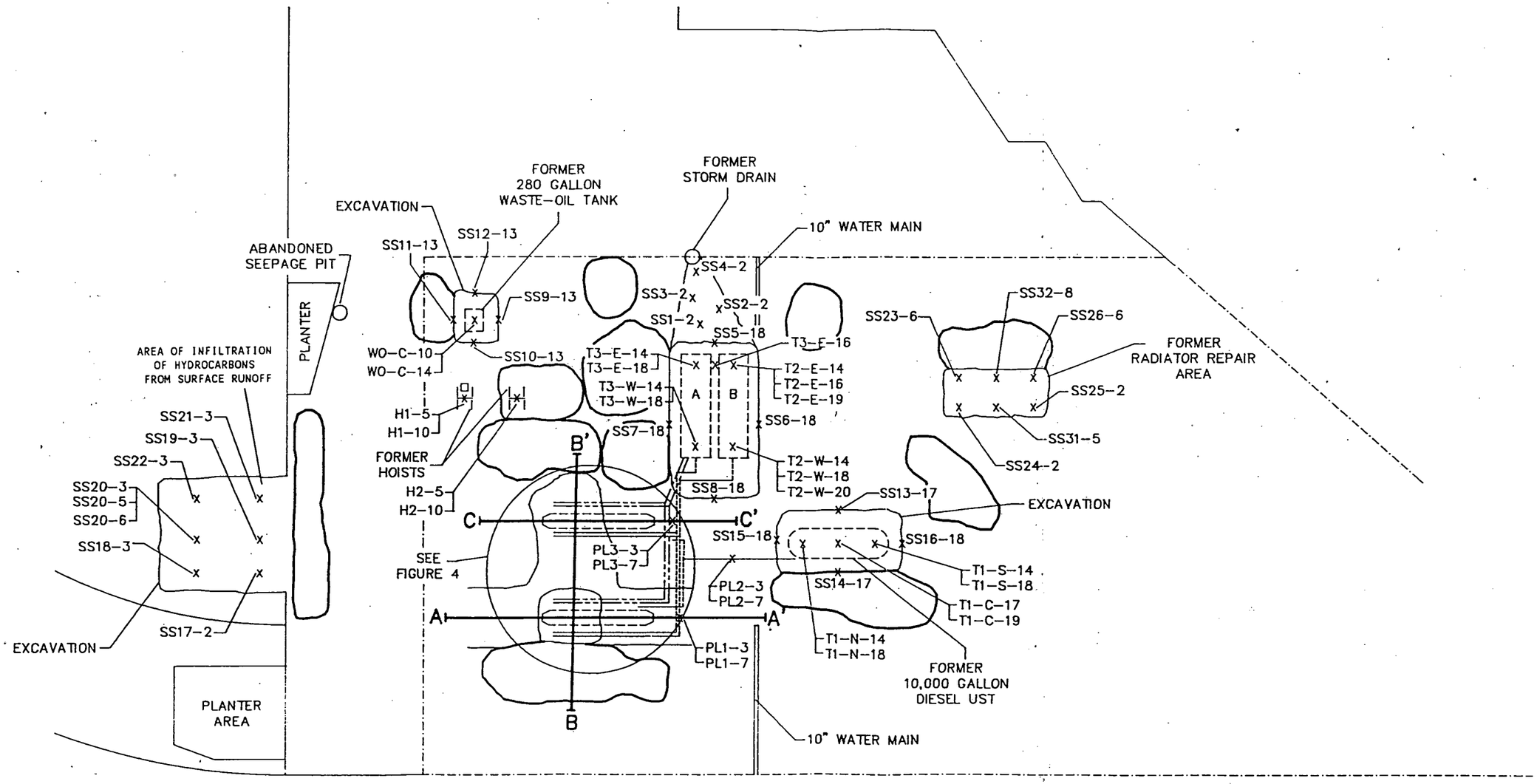
LEGEND

- SB-7 (x) BORING LOCATION AND NUMBER
- (SP) SEEPAGE PIT – FILLED AND ABANDONED (PER UNOCAL DRAWING F19A69, DATED 7/19/61)
- HA-2 (o) HAND AUGER LOCATION
- △ ATTEMPTED HAND AUGER BORINGS

GeoResearch

SITE DIAGRAM WITH 1/92 BORING LOCATIONS
UNOCAL SERVICE STATION 4734
9068 WEST GRAPEVINE
LEBEC, CALIFORNIA
PROJECT NUMBER: 92075

DATE: 2/5/92	CKD BY:	FIGURE NO: 2
FILE NO: 92075A		DRAWN BY: S.NASH



NOTE: TANKS A&B ARE FORMER 10,000 GALLON USTs

LEGEND

SS3-2 x	SAMPLE LOCATION
O	SOIL STOCKPILES
———	FORMER FIBERGLASS PRODUCT LINES
-----	ABANDONED METAL PRODUCT LINES

NORTH

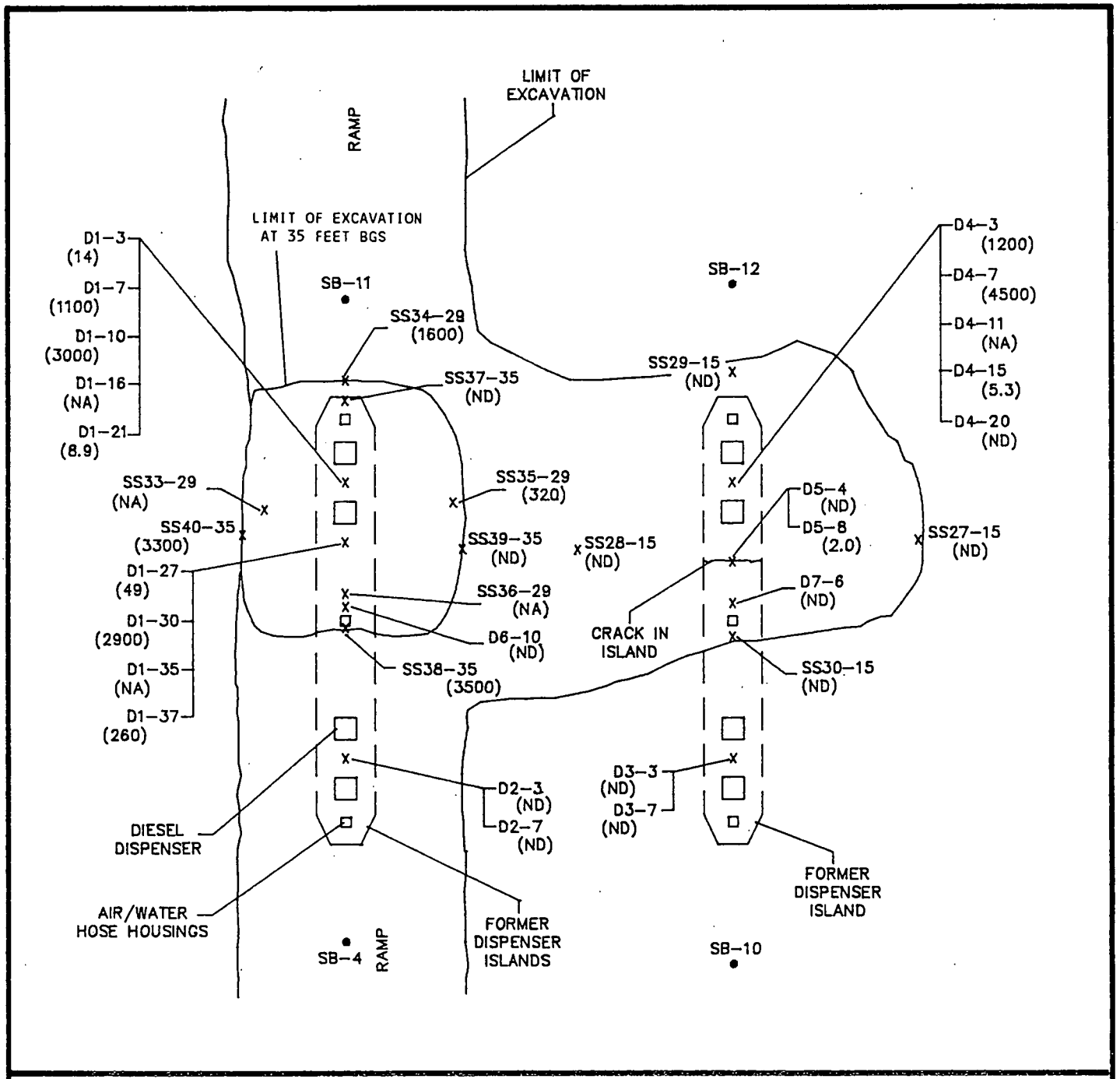
0 15 30 60

SCALE IN FEET

GeoResearch

SAMPLE LOCATIONS - INITIAL (10/92) SAMPLING
UNOCAL SERVICE STATION 4734
9068 W. GRAPEVINE ROAD
LEBEC, CALIFORNIA
PROJECT NUMBER: 92075

DATE: 12/15/92	CKD BY:	FIGURE NO.: 3
FILE NO: A1		DRAWN BY: S.NASH



LEGEND

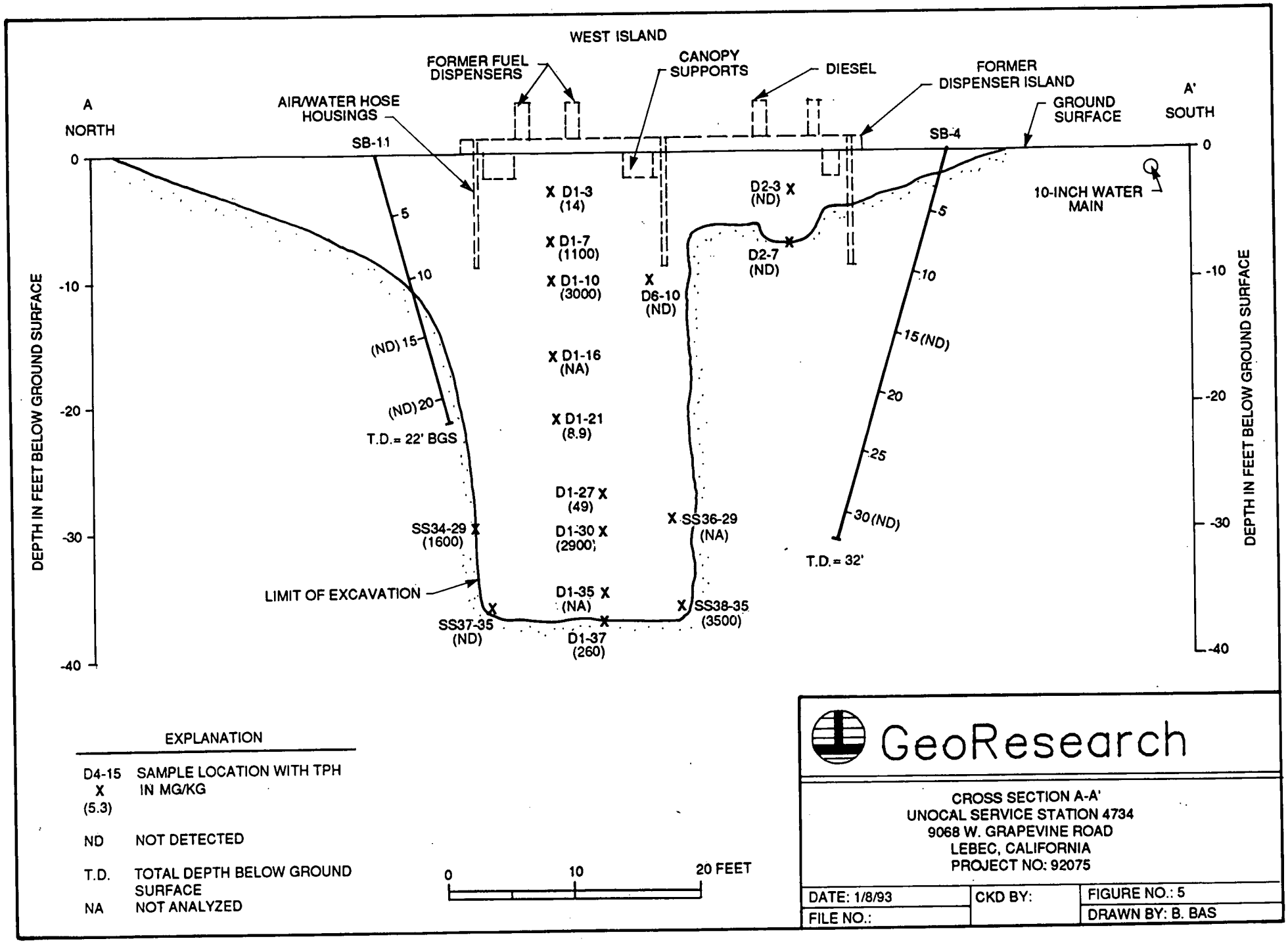
SS35-29 X (320)	SAMPLE LOCATION WITH TOTAL PETROLEUM HYDROCARBONS AS GAS (TPH-G) CONCENTRATION IN mg/kg
SB-11 ●	SOIL BORING LOCATION
ND=	NOT DETECTED
NA=	NOT ANALYZED

0 10
FEET

GeoResearch

SAMPLE LOCATIONS - DISPENSER ISLAND EXCAVATION
UNOCAL SERVICE STATION 4734
9068 W. GRAPEVINE ROAD
LEBEC, CALIFORNIA
PROJECT NUMBER: 92075

DATE: 1/7/93	CKD BY:	FIGURE NO.: 4
FILE NO: C1		DRAWN BY: S.NASH



EXPLANATION

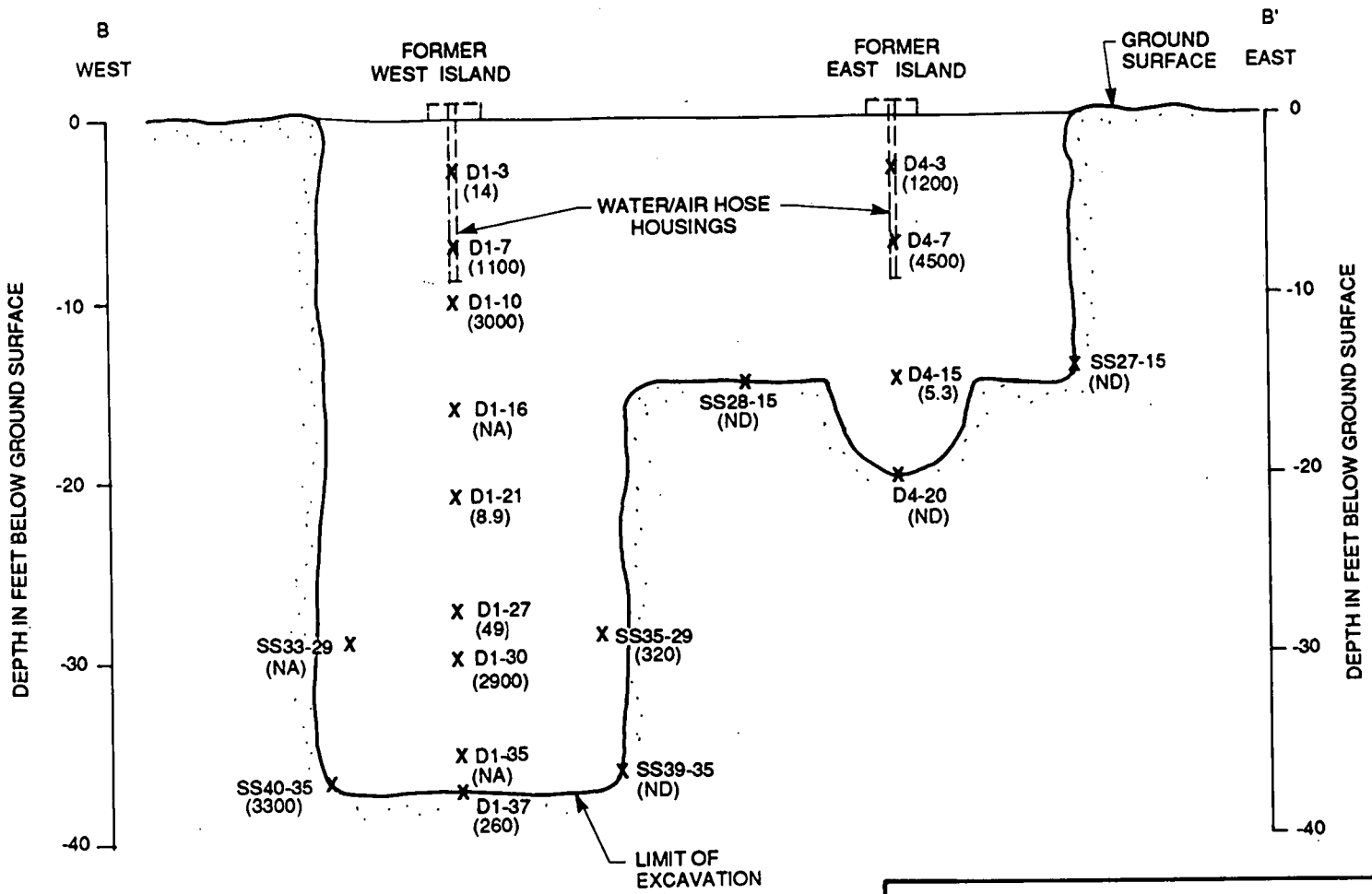
D4-15 X (5.3)	SAMPLE LOCATION WITH TPH IN MG/KG
ND	NOT DETECTED
T.D.	TOTAL DEPTH BELOW GROUND SURFACE
NA	NOT ANALYZED

0 10 20 FEET

GeoResearch

CROSS SECTION A-A'
UNOCAL SERVICE STATION 4734
9068 W. GRAPEVINE ROAD
LEBEC, CALIFORNIA
PROJECT NO: 92075

DATE: 1/8/93	CKD BY:	FIGURE NO.: 5
FILE NO.:		DRAWN BY: B. BAS



EXPLANATION

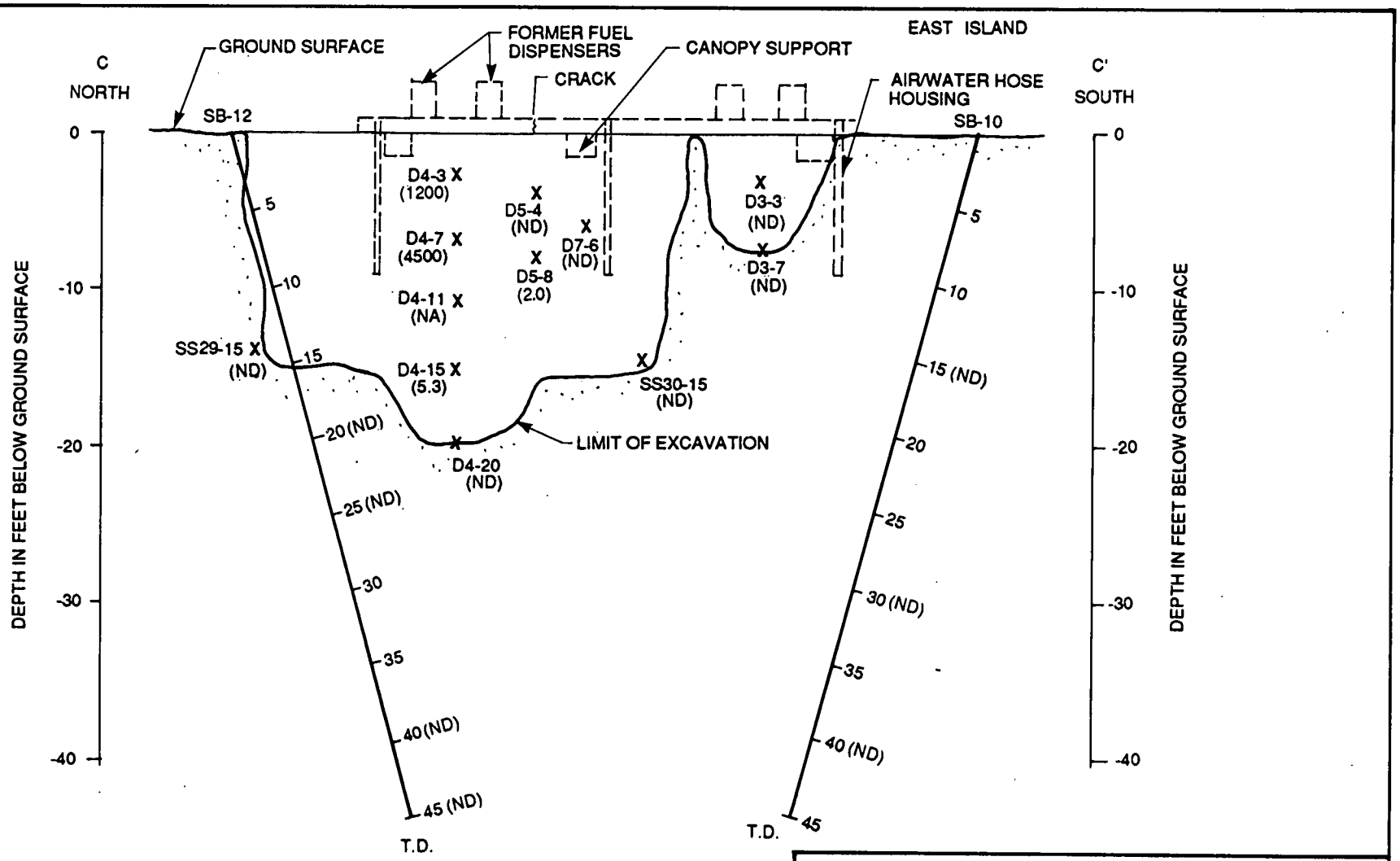
D4-15 X (5.3)	SAMPLE LOCATION WITH TPH IN MG/KG
ND	NOT DETECTED
T.D.	TOTAL DEPTH BELOW GROUND SURFACE
NA	NOT ANALYZED

0 10 20 FEET

GeoResearch

CROSS SECTION B-B'
UNOCAL SERVICE STATION 4734
9068 W. GRAPEVINE ROAD
LEBEC, CALIFORNIA
PROJECT NO: 92075

DATE: 1/8/93	CKD BY:	FIGURE NO.: 6
FILE NO.:		DRAWN BY: B. BAS



EXPLANATION

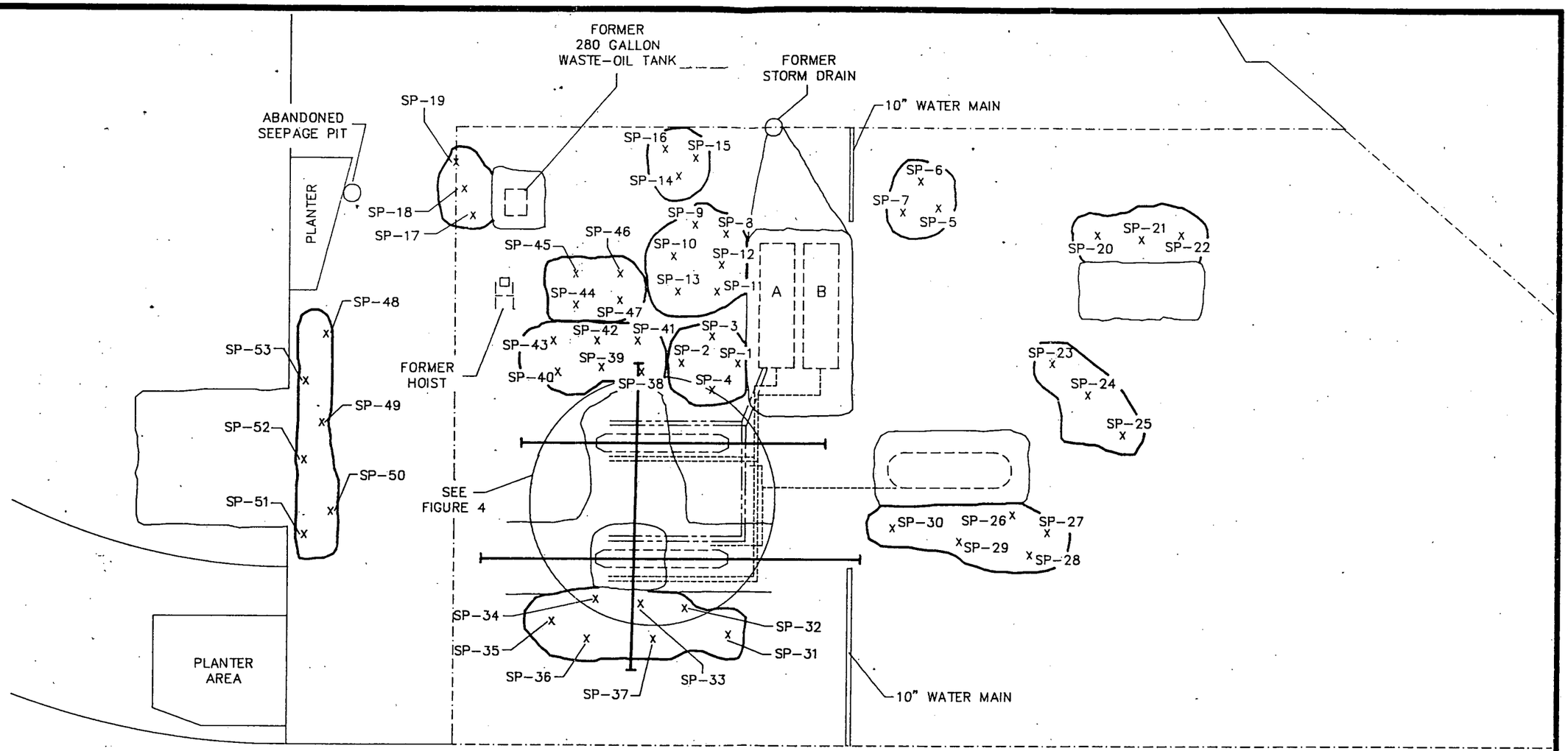
D4-15 X (5.3)	SAMPLE LOCATION WITH TPH IN MG/KG
ND	NOT DETECTED
T.D.	TOTAL DEPTH BELOW GROUND SURFACE
NA	NOT ANALYZED

0 10 20 FEET

GeoResearch

CROSS SECTION C-C'
UNOCAL SERVICE STATION 4734
9068 W. GRAPEVINE ROAD
LEBEC, CALIFORNIA
PROJECT NO: 92075

DATE: 1/8/93	CKD BY:	FIGURE NO.: 7
FILE NO.:		DRAWN BY: B. BAS



NOTE: TANKS A&B ARE FORMER 10,000 GALLON USTs

LEGEND

SP-18 x	SAMPLE LOCATION
O	SOIL STOCKPILES
------	FORMER FIBERGLASS PRODUCT LINES
——	ABANDONED METAL PRODUCT LINES

NORTH

0 10 25 50

SCALE IN FEET

GeoResearch

SAMPLE LOCATIONS - STOCKPILES
UNOCAL SERVICE STATION 4734
9068 W. GRAPEVINE ROAD
LEBEC, CALIFORNIA
PROJECT NUMBER: 92075

DATE: 12/15/92	CKD BY:	FIGURE NO.: 8
FILE NO: B1		DRAWN BY: S.NASH

APPENDIX A

PERMITS, RINSATE MANIFEST, UST DESTRUCTION DOCUMENTATION AND SOIL COMPACTION CERTIFICATION

№ 10345

TANK DISPOSAL FORM

GOLDEN STATE METALS, INC.
P.O. Box 70158 • 2000 E. Brundage Lane
Bakersfield, California 93387
Phone (805) 327-9559 • Fax (805) 327-5749
Scrap Metals Processing & Recycling

Date 10.9 ,19 92

Contractor's License No.

Contractor's Phone No.

CONTRACTOR: Wegner Construction Co.

ADDRESS: 1710 Calloway Bakersfield, CA. 93312

JOB SITE: Unocal #4934

ADDRESS: Grapevine & 99 Lebec, CA.

DESTINATION: G. S. M. • 2000 E. BRUNDAGE LANE • BAKERSFIELD, CA 93387

HAULER: Wegner Construction LICENSE NO:

WEIGHT CERT. NO: T14203-T

EHSD PERMIT NO: A-1702-33

COUNTY:

√	SERVICES RENDERED	COST
✓	TANK INSPECTION	
☑	CLEAN & DRY (ACCEPT), OR	
☐	RESIDUALS PRESENT (REJECT)	
0	LEL READING	
20	OXYGEN CONTENT	
	DISPOSAL FEE	
	SCRAP VALUE	
	OTHER	

TOTAL CHARGES $

All fees incurred are per load unless specified. Terms are net 30 days from receipt of tank. Contractor's signature represents acceptance of terms for payment, and confirms that tank removal complies with State laws.

CONTRACTOR'S SIGNATURE

TANKS RECEIVED

QTY	GALLONS	SERIAL NO.	NET TONS
	250		11
	500		21
	550		24
	1000 - 12 ft		44
	1000 - 6 ft		61
	1500		.87
	2000		.97
	2500		1.14
	3000		1.32
	4000		1.64
	5000		2.42
	6000		2.84
	7500		3.28
	8000		3.44
	9000		3.82
2	10000		4.33
	12000		4.93
1	OTHER 280		

TOTAL

FOR INTERNAL USE ONLY

CERTIFICATE OF TANK DISPOSAL / DESTRUCTION

THIS IS TO CERTIFY THE RECEIPT AND ACCEPTANCE OF THE TANK(S) AS SPECIFIED ABOVE ALL MATERIAL SPECIFIED WILL BE COMPLETELY DESTROYED FOR SCRAP RECYCLING PURPOSES ONLY.

[signature]

10.9.92

DOCUMENTATION OF DISPOSAL OF UNDERGROUND TANKS & PIPING

Facility Name: UNOCAL STATION # 4734 Phone: (805) 589-5570

Address: GRAPEVINE & HWY 99 City: LOBEC

Tanks Removed:	Size	Product Stored	Date Removed
1.	10,000 GALLON FIBERGLASS Gals.	DIESEL	10-9-92
2.	Gals.		
3.	Gals.		
4.	Gals.		
5.	Gals.		
6.	Gals.		

Tanks Rinsed: (X) Yes ( ) No

Name: WEGENER CONSTRUCTION Address: 1710 Calloway Dr City: Bakersfield

TANK CRUSHED AND HAUL TO KERN COUNTY LANDFILL, ARVIN

Tanks disposed of at a recycling/scrap facility ( ) Yes (X) No

Name: Address: City:

Tanks sold ( ) Yes (X) No

New Owner: Address: City:

Nature of reuse of tanks:

SIGNATURE: Doug Wegener DATE: 10-9-92

PRINT NAME: Doug WEGENER

State Contractors License No 413913

4204 Armour Ave. Bakersfield, CA 93308

WEGENER

RN COUNTY DEPARTMENT OF
ANNING AND DEVELOPMENT SERVICES
ILDING INSPECTION DIVISION
ED JAMES, DIRECTOR

JOB CARD
CONSTRUCTION PERMIT

2700 M STREET
BAKERSFIELD, CA. 93301
PHONE (805) 861-2616

1 Job Address 9068 GOSFORD WAY
Assessor's Parcel No. 241-330-23 23 WRS1

Insp. Area	ZM	Map	Lot / Block
13	219-20		

2 Project Description Or Comments DEMO 2 COMM BLDG & CANOPY
3 Permit Class (New/Add or Alter/Conversion/Remodel) NEW CONSTRUCTION
Permit #

4 Property Owner(s) 1. TEJON RANCH CO
Mailing Address P O BOX 1000
Phone Number
2.
City/State LEBEC CA
Zip Code 93243-0000

5 Architect/Engineer
Mail Address
License #
Phone #

6 Contractor's Name WEGENER CONST
Mailing Address 1710 CALLOWAY RD
Phone Number 1-805-000-0000
Hiring Licensed Contractor's (Y/N)
City/State BAKERSFIELD CA 93312-0000
Cont. St. Lic.# 413913

7 Project Manager HERB
Phone Number 1-805-000-0000

8 C.S.A. #
9 School Dist. # 34

ZONE CLASSIFICATION A
APPROVED PER PLAN AS FOLLOWS

Demo 2 bldgs & canopy w/ x remaining bldg; or valid on 7 parcel.

10 Comments NO STRUCTURES WILL BE LEFT 0000000
11 Census Code # 199
12 Census Tract # 50.21

Gen # Sub Code	Census Number Description	A/D/Y	A/D/Y PER BLDG.	BVD CODE	UNITS Per Bldg	BLDG.
M	MISC. "INSTALL" PERMITS	Y				

Bob Bleit
By

9-28-9
Date

Ref. Case #

Total Area
Total Value/Yards

THE FOLLOWING PRELIMINARY FEES ARE SUBJECT TO CHANGE BEFORE PERMIT ISSUANCE:

	FEE	PAID
APPLICATION ISSUANCE FEE	22.00	Y
NON-DEC FEES	33.00	Y

*PARTIAL PAYMENT

	FEE	PAID
TOTAL FEES	55.00	
AMOUNT PAID	55.00	
BALANCE	.00	

Application Number 34007
Application Date 9/28/92
NS
Issuance Date 9/28/92
Activity Code P
Activity Date 9/28/92 WS-ID

REMARKS
Fee

RANDALL L. ABBOTT
DIRECTOR

DAVID PRICE III
ASSISTANT DIRECTOR

Environmental Health Services Department
STEVE McCALLEY, REHS, DIRECTOR

Air Pollution Control District
WILLIAM J. RODDY, APCO

Planning & Development Services Department
TED JAMES, AICP, DIRECTOR

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

PERMIT FOR PERMANENT CLOSURE
OF UNDERGROUND HAZARDOUS
SUBSTANCES STORAGE FACILITY

PERMIT NUMBER A 1702-33

FACILITY NAME/ADDRESS:

Unocal S/S #4734
9068 W. Grapevine
Tejon Ranch, CA

OWNER(S) NAME/ADDRESS:

Unocal
2000 Crow Canyon Place
San Ramon, CA 94583

Phone: (510) 277-2327

CONTRACTOR:

Wegener Construction
1710 Calloway Drive
Bakersfield, CA 93312
License #C61/D40 HAZ 413913
Phone: (805) 589-5570

PERMIT FOR CLOSURE OF

4 TANK(S) AT ABOVE

LOCATION

PERMIT EXPIRES October 29, 1992

APPROVAL DATE July 29, 1992

APPROVED BY

Chris Finberg
Hazardous Materials Specialist

POST ON PREMISES

CONDITIONS AS FOLLOWS:

1. It is the responsibility of the Permittee to obtain permits which may be required by other regulatory agencies prior to beginning work (i.e., City Fire and Buildin Departments).
2. Permittee must notify the Hazardous Materials Management Program at (805) 861-3636 two working days prior to tank removal or abandonment in place t arrange for required inspections(s).
3. Tank closure activities must be per Kern County Environmental Health and Fire Department approved methods as described in Handbook UT-30.
4. It is the contractor's responsibility to know and adhere to all applicable laws regarding the handling, transportation or treatment of hazardous materials.
5. The tank removal contractor must have a qualified company employee on site supervising the tank removal. The employee must have tank removal experienc prior to working unsupervised.
6. If any contractors other than those listed on permit and permit application are to be utilized, prior approval must be granted by the specialist listed on th permit. Deviation from the submitted application is not allowed.
7. Soil Sampling:
   a. Tank size less than or equal to 1,000 gallons - a minimum of two samples must be retrieved from beneath the center of the tank at depths c approximately two feet and six feet.
   b. Tank size greater than 1,000 to 10,000 gallons - a minimum of four samples must be retrieved one-third of the way in from the ends of each tan at depths of approximately two feet and six feet.
   c. Tank size greater than 10,000 gallons - a minimum of six samples must be retrieved one-fourth of the way in from the ends of each tank and beneat the center of each tank at depths of approximately two feet and six feet.
8. Soil Sampling (piping area):
   A minimum of two samples must be retrieved at depths of approximately two feet and six feet for every 15 linear feet of pipe run and under the dispenser are

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No. CAD982056582 | Manifest Document No. | 2 Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3 Generator's Name and Mailing Address: CHEVRON U.S.A. INC. 5001 California Ave. Bakersfield, CA 93309

4 Generator's Phone (805) 395-7500

A. State Manifest Document Number: 9222784

B. State Generator's ID:

5 Transporter 1 Company Name: MP ENVIRONMENTAL SERVICES, INC.

6 US EPA ID Number: C A T 0 0 0 6 2 4 2 4

C. State Transporter's ID: 30591?

D. Transporter's Phone: 805/393-1

7 Transporter 2 Company Name:

8 US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9 Designated Facility Name and Site Address: GIBSON OIL AND REFINING, END OF COMMERCIAL DR, BAKERSFIELD, CA 93308

10 US EPA ID Number: C A D 0 9 8 0 8 8 3 1 7

G. State Facility's ID: CAD098088317

H. Facility's Phone: 800/828-2178

11 US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste
NON RCRA HAZARDOUS WASTE LIQUID	0 0 1	T T	0 1 1 5 0	GL	State EPA/ONLY
b					State EPA/Other
c					State EPA/Other
d					State EPA/Other

J. Additional Descriptions for Materials Listed Above: GROUNDWATER/WELL RINSATE WATER RELEASE # 10983

K. Handling Codes for Wastes Listed Above: 01

15. Special Handling Instructions and Additional Information: GLOVES, GOGGLES AND PROTECTIVE CLOTHING

EMERGENCY PHONE #800/458-3036

Act Acct Rec'd = 318.80 15403

16 GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
HERB LANG		10	08	89

TRANSPORTER

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
R. DAVIS		10	05	89

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19

Printed/Typed Name	Signature	Month	Day	Year
RICK WILKERSON		10	05	89

DO NOT WRITE BELOW THIS LINE.

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER (800) 424-8802 OR (202) 426-2675

DTSC 8022A (12/91)
EPA 8700--22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

SMITH & ASSOCIATES
1716 OAK STREET, UNIT 8
BAKERSFIELD, CA 93301
(805) 323-4814 · 325-9076

NOVEMBER 23, 1992
JOB NO. 92-K-1A

WEGENER CONSTRUCTION COMPANY
1710 CALLOWAY DRIVE
BAKERSFIELD, CALIFORNIA 93312

ATTENTION: MR. DOUG WEGENER

RE: CERTIFICATION OF SOIL COMPACTION IN PITS
DESIGNATED A,B,C, & D AT UNOCAL STATION
#4734 GRAPEVINE ROAD AT I-5
LEBEC, CALIFORNIA

GENTLEMEN:

PLEASE REFER TO THE ATTACHED SITE SKETCH FURNISHED TO THE UNDERSIGNED BY MR. WEGENER. IT IS AN 81" X 11" PLAT ON A "GEO RESEARCH" LETTERHEAD AUTHORED BY "BLAIR REDFEARN" AND DATED OCTOBER 23, 1992. THE SUBJECT DRAWING DEPICTS THE LOCATION OF THE "PITS" TO BE FILLED AT THIS SITE, ALONG WITH THE LOCATION OF "SPOIL PILES". I HAVE SUPERIMPOSED THE LETTERS A,B,C, AND D ON THE DISPENSER AREA PIT, DIESEL PIT, WASTE OIL PIT AND GAS PIT, IN THAT ORDER RESPECTIVELY. IN ADDITION, I HAVE SIMILARLY LETTERED THE "RELATIVE COMPACTION" SHEETS THAT WERE USED TO RECORD THE FIELD DENSITY TEST RESULTS AT EACH CORRESPONDING PIT. THESE SHEETS, ALONG WITH TWO MAXIMUM DENSITY CURVES, ONE FOR THE ONSITE MATERIAL USED AND ONE FOR THE IMPORTED MATERIAL USED, ARE ALL ATTACHED TO THIS LETTER.

ALL VISIBLE IMPROVEMENTS ABOVE THE GROUND HAD BEEN REMOVED BEFORE OUR FIRM WAS CALLED TO THE SITE.

PIT "A" WAS UNIQUE FROM THE OTHER PITS IN THAT THERE WAS A PILOT TRENCH MEASURING 9' X 9' X9' AT THE CENTER OF THE LARGER PIT. IN THIS LOWER LEVEL PIT, NATURAL ONSITE SOILS WAS PLACED TO A DEPTH OF SEVEN FEET. AT THIS JUNCTURE MICHIGAN L-90 FRONT END LOADER WITH A FULL THREE CUBIC YARD BUCKET COMMENCED THE COMPACTION EFFORT. WHEN SUFFICIENT EFFORT HAD BEEN APPLIED, THE REMAINING FILL, UP TO THE 18 FOOT DEPTH, WAS JUDICIOUSLY FILLED AND COMPACTED AND TESTED AT THE 18 FOOT DEPTH. THE FILLING OF THE LARGER PIT "A" CONTINUED TO THE NATURAL GROUND SURFACE.

THE USABLE NATURAL SOIL MATERIAL THAT WAS STOCKPILED ON SITE WAS UTILIZED TO MAKE THE FILLS WHEN POSSIBLE. IMPORTED SOIL MATERIAL WAS USED TO COMPLETE THE FILL TO THE LEVEL OF THE ADJACENT SOIL SURFACE ELEVATION.

ALL FILL MATERIAL PLACED WAS COMPACTED TO THE DEPTH SHOWN ON EACH OF THE DESIGNATED "RELATIVE COMPACTION" SHEETS THAT CORRESPOND TO THE PITS SIMILARLY DESIGNATED, I.E., A,B,C, OR D.

ALSO, ALL OF THE FILL ABOVE THE DEPTH SHOWN WAS COMPACTED TO AT LEAST 90% OF MAXIMUM DENSITY. MAXIMUM DENSITY WAS DETERMINED IN ACCORDANCE WITH ASTM D-1557-78 METHOD A.

THE CONTRACTOR WAS ADVISED AT THE OUTSET OF THE WORD THAT IN THE EVENT A DENSITY TEST FAILED, THE STRATA IN WHICH THE FAILURE OCCURRED WOULD HAVE TO BE SCARIFIED, THE MOISTURE CONTENT ADJUSTED, THE SOIL REMIXED AND COMPACTED UNTIL THE MINIMUM RELATIVE COMPACTED IS REACHED.

THE UNDERSIGNED CERTIFIES THAT THE SOIL PLACED IN THE PITS AND TESTED MEETS THE SPECIFIED 90% OF MAXIMUM DENSITY AND SAID SOIL WILL CARRY THE LOADS OF A ONE STORY WOOD FRAME BUILDING.

YOURS TRULY,

SMITH & ASSOCIATES, A DBA OF
HARRY C. ELLINGSTON, INC.

REGISTERED PROFESSIONAL ENGINEER
HARRY C. ELLINGSTON, JR.
EXP.
12-31-82
RCE 11823
CIVIL
STATE OF CALIFORNIA

HARRY C. ELLINGSTON, JR., PRESIDENT

HCE:PJ
ENCLOSURES

SMITH & ASSOCIATES
ENGINEERING SOILS SURVEYING
1716 OAK STREET, UNIT 8
BAKERSFIELD, CA 93301
(805) 323-4844 - 325-9076

RECEIVED
GEO RESEARCH
NOV 1 8 1992
PROJECT # 92075
BR WG
SK

November 12, 1992
Job No. 92-K-1A

Wegener Construction Company
1710 Calloway Drive
Bakersfield, California 93312

Attention: Mr. Doug Wegener

RE: **Certification of Soil Compaction in Pits Designated A, B, C, & D at Unocal Station #4734 Located at 9068 Grapevine Road at I-5 Lebec, California**

Gentlemen:

Please refer to the attached site sketch furnished to the undersigned by Mr. Wegener. It is an 8½" x 11" plat on a "Geo Research" letterhead authored by "Blair Redfearn" and dated October 23, 1992. The subject drawing depicts the location of the "pits" to be filled at this site, along with the location of "spoil piles". I have superimposed the letters A, B, C, and D on the Dispenser Area Pit, Diesel Pit, Waste Oil Pit and Gas Pit, in that order respectively. In addition I have similarly lettered the "Relative Compaction" sheets that were used to record the field density test results at each corresponding pit. These sheets along with two maximum density curves, one for the onsite material used and one for the imported material used, are all attached to this letter.

All visible improvements above the ground had been removed before our firm was called to the site.

The usable natural soil material that was stockpiled on site was utilized to make the fills when possible. Imported soil material was used to complete the fill to the level of the adjacent soil surface elevation.

All fill material placed was compacted to the depth shown on each of the designated "Relative Compaction"sheets that correspond to the pits similarly designated, i.e., A, B, C, or D.

Also, all of the fill above the depth shown was compacted to at least 90% of MAXIMUM DENSITY. Maximum density was determined in accordance with ASTM D-1557-78 Method A.

The Contractor was advised at the outset of the work that in the event a Density Test failed, the strata in which the failure occurred would have to be scarified, the moisture content adjusted, the soil remixed and compacted until the minimum Relative Compaction is reached.

The undersigned certifies that the soil placed in the pits and tested meets the specified 90% of Maximum Density and said soil will carry the loads of a one story wood frame building.

Yours truly,

SMITH & ASSOCIATES, a DBA of
Harry C. Ellingston, Inc.

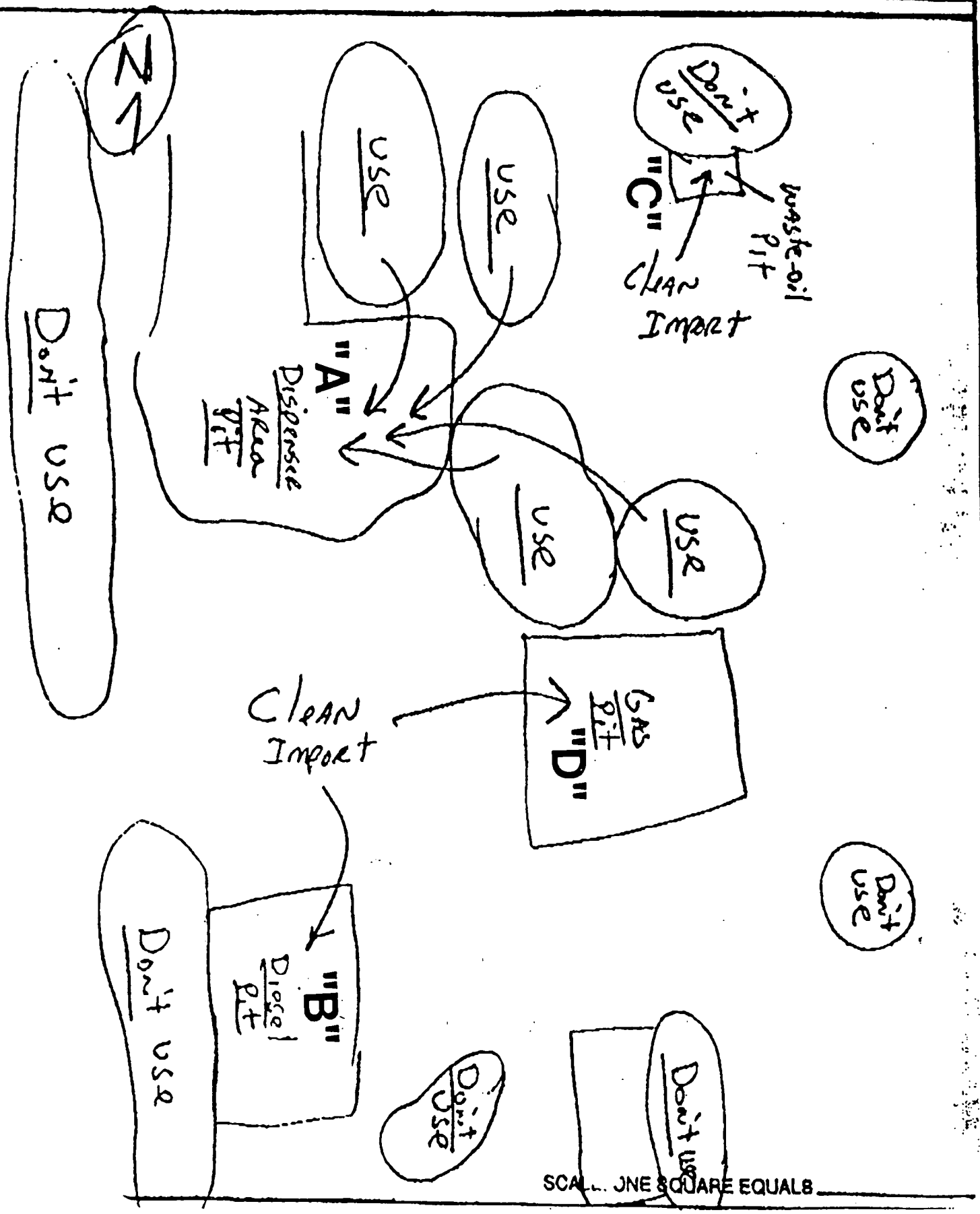
Harry C. Ellingston, Jr.
President

REGISTERED PROFESSIONAL ENGINEER
HARRY C. ELLINGSTON, Inc.
EXP.
12-31-92
RCE 11923
PRES.
CIVIL
STATE OF CALIFORNIA

HCE:cab
Enclosures

GeoResearch
Site Map

JOB NO. Unocal 4734 FIGURE NO.
JOB NAME 9068 Grapevine Rd, Lebec
BY Blair Reddearn DATE 10/27/92
CHECKED BY DATE



SCALE: ONE SQUARE EQUALS

"A"

RELATIVE COMPACTION

"A"

SMITH & ASSOCIATES

[redacted] 1716 OAK ST.#6
BAKERSFIELD, CA.
325-9076

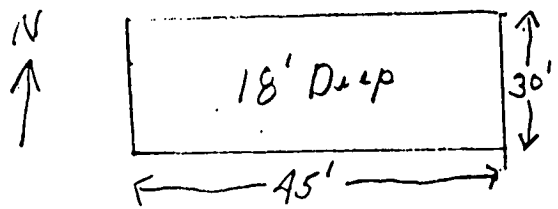
DATE: 11-4-92

TECH: Don Frederiksen

JOB NUMBER: 92-K-1
Unocal # 4734

TEST NO.	LOCATION 9065 Grapevine Rd. Lakes	ELEVATION	COMPACTED DENSITY LBS./CU.FT.	% MOISTURE CONTENT	MAX. DENSITY LBS. / CU. FT.	RELATIVE COMPACTION %
1	Back Fill Dispersing Area West End	18' B.S.G.	126.9	6.8	132.0	96.2
2	" " " " East End	18' B.S.G.	123.5	7.5	132.0	93.6
3	" " " " South Side	16' B.S.G.	121.1	8.8	132.0	91.7
4	" " " " North Side	16' B.S.G.	123.0	7.6	132.0	93.1
5	" " " " East End	14' B.S.G.	124.0	8.1	132.0	94.0
6	" " " " West End	14' B.S.G.	124.6	7.9	132.0	94.4
7	" " " " South Side	12' B.S.G.	124.2	6.8	132.0	94.1
8	" " " " North Side	12' B.S.G.	123.8	7.[illegible]	132.0	92.6
9	" " " " East End	8.5' B.S.G.	129.2	6.8	132.0	97.9
10	" " " " West End	8.5' B.S.G.	128.3	7.2	132.0	97.1
11	" " " " West End	6' B.S.G.	120.3	10.[illegible]	132.0	91.2
12	" " " " East End	6' B.S.G.	127.3	7.[illegible]	132.0	9[illegible].4

REMARKS:



RELATIVE COMPACTION

"A"

SMITH & ASSOCIATES

X[redacted] 1716 OAK ST.#6
BAKERSFIELD, CA.
325-9076

DATE: 11-5-92

TECH: Don Frederikson

JOB NUMBER: 92-K-1
Unocal #4[illegible]

TEST NO.	LOCATION 9068 [illegible] Rd. [illegible]	ELEVATION	COMPACTED DENSITY LBS./CU.FT.	% MOISTURE CONTENT	MAX. DENSITY LBS. / CU. FT.	RELATIVE COMPACTION %
13	Back Fill Dispensing Area South Side	4.5 BSG	123.5	8.6	132.0	93.5
14	" " " " North Side	4.5 BSG	124.7	8.2	132.0	94.5
15	" " " " West End	3' BSG	120.7	8.2	132.0	91.4
16	" " " " East End	3' BSG	124.8	8.1	132.0	94.5
17	" " " " South Side	1.5 BSG	121.6	7.8	132.0	92.2
18	" " " " North Side	1.5 BSG	123.2	6.5	132.0	93.3
19	" " " " South Side	-0-	120.6	6.7	132.0	91.4
20	" " " " North Side	-0-	125.3	6.7	132.0	94.9

REMARKS:

RELATIVE COMPACTION

SMITH & ASSOCIATES
[illegible] 1716 OAK ST.#6
BAKERSFIELD, CA.
325-9076

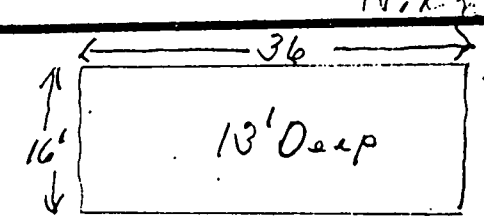
DATE: 11-6-92

TECH: Don Frederick

JOB NUMBER: 92-R-1
Unocal #4734 Import

TEST NO.	LOCATION 9065 [illegible] Rd. Lebec, Ca.	ELEVATION	COMPACTED DENSITY LBS./CU.FT.	% MOISTURE CONTENT	MAX. DENSITY LBS. / CU. FT.	RELATIVE COMPACTION
1	Back Fill of Diesel Tank Area N. End	13' BSG	125.4	7.7	132.2	94.8
2	" " " " " " S. End	13' BSG	128.6	9.5	132.2	97.2
3	" " " " " " Center	11' BSG	126.7	7.9	132.2	95.[illegible]
4	" " " " " " "	9' BSG	124.2	6.1	132.2	94.0
5	" " " " " " N. End	7' BSG	123.1	6.7	132.2	93.1
6	" " " " " " S. End	7' BSG	122.4	6.0	132.2	92.6
7	" " " " " " N. End	5' BSG	117.7	5.8	132.2	89.0
8	Retest of Test #7	5' BSG	119.8	5.9	132.2	90.6
9	Back Fill of Diesel Tank Area S. End	5' BSG.	123.5	7.1	132.2	93.4
11-9-92 10	" " " " " " N. End	4' BSG	125.0	7.6	132.2	94.5
11	" " " " " " S. End	4' BSG	125.1	7.5	132.2	94.6
12	" " " " " " N. End	2.5' BSG	124.9	6.8	132.2	94.5

REMARKS:



B

RELATIVE COMPACTION

SMITH & ASSOCIATES

X[redacted] 1716 OAK ST.#6
BAKERSFIELD, CA.
325-9076

DATE: 7-9-92

JOB NUMBER: 92-K-1
Unocal # 1[illegible] [illegible]

TECH: Don Frederiksen

TEST NO.	LOCATION 9068 [illegible] Rd. [illegible] Co.	ELEVATION	COMPACTED DENSITY LBS./CU.FT.	% MOISTURE CONTENT	MAX. DENSITY LBS. / CU. FT.	RELATIV COMPACTIO
13	Back Fill of Diesel Tank Area S. End	2.5 BSG	126.9	8.6	132.2	96.0
14	" " " " " " N. End	1.5 BSG	124.2	8.5	132.2	94.0
15	" " " " " " S. End	1.5 BSG.	126.2	10.0	132.2	95
16	" " " " " " N. End	~~0~~	123.6	9.1	132.2	93.6
17	" " " " " " S. End	~~0~~	122.5	4.6	132.2	92.8

REMARKS:

RELATIVE COMPACTION

SMITH & ASSOCIATES

1716 OAK ST. #6
BAKERSFIELD, CA.
325-9076

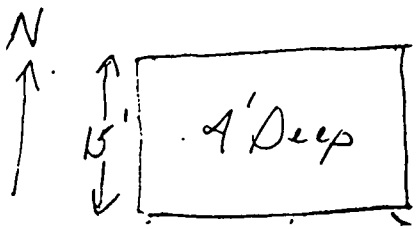
DATE: 11-16-92

JOB NUMBER: 92-K-1
Unocal # 4734

TECH: Dan Fredrickson

TEST NO.	LOCATION	ELEVATION	COMPACTED DENSITY LBS. / CU. FT.	% MOISTURE CONTENT	MAX. DENSITY LBS. / CU. FT.	RELATIV COMPACTIO
1	Back Fill of Waste Oil Tank Area Center	2' BSG	122.3	8.0	132.0	92.6
2	" " " " " " " "	~~0~~	122.0	8.1	132.0	92.9

REMARKS:



RELATIVE COMPACTION

SMITH & ASSOCIATES
[redacted] 1716 OAK ST.#6
BAKERSFIELD, CA.
325-9076

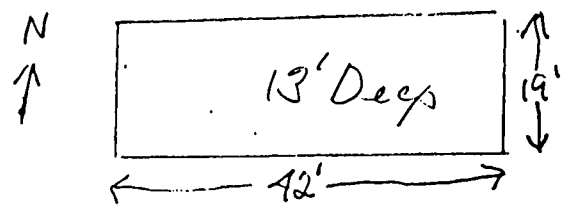
DATE: 11-[illegible]-92

TECH: Don Frederiksen

JOB NUMBER: 92-K-1
Unit # 4734

TEST NO.	LOCATION 9068 Grape Vine Rd. Lebec Ca.	ELEVATION	COMPACTED DENSITY LBS./CU.FT.	% MOISTURE CONTENT	MAX. DENSITY LBS. / CU. FT.	RELATIVE COMPACTION %
1	Back Fill Gasoline Tank Area Center	12' B.S.G	124.8	10.1	132.2	94.5
2	" " " " " W. End	11' BSG	120.6	8.0	132.2	91.4
3	" " " " " E. End	11' BSG.	125.6	7.4	132.2	95.1
4	" " " " " W. End	9.5 BSG	120.4	7.7	132.2	91.2
5	" " " " " E. End	9.5 BSG	126.3	7.7	132.2	95.6
6	" " " " " W. End	8' BSG	124.2	5.8	132.2	94.1
7	" " " " " E. End	8' BSG	124.2	10.1	132.2	94.1
8	" " " " " W. End	6.5 BSG	122.7	11.5	132.2	92.9
9	" " " " " E. End	6.5 BSG.	124.2	9.0	132.2	94.1

REMARKS:



"D"

RELATIVE COMPACTION

SMITH & ASSOCIATES

X[redacted] 1716 OAK ST.#6
BAKERSFIELD, CA.
325-9076

DATE: 11-11-92

TECH: Don Frederiksen

JOB NUMBER: 92-K-1
Unocal # 4734

TEST NO.	LOCATION [illegible] Rd. Lebec Ca.	ELEVATION	COMPACTED DENSITY LBS./CU.FT.	% MOISTURE CONTENT	MAX. DENSITY LBS. / CU. FT.	RELATIVE COMPACTION
10	Back Fill Gasoline Tank Area W. End	4.5 BSG	123.3	8.1	132.2	93.4
11	" " " " E. End	4.5 BSG	123.4	8.4	132.2	93.5
12	" " " " " W. End	2' BSG	124.6	9.7	132.2	93.4
13	" " " " " E. End	2' BSG	128.7	8.3	132.2	97.5
11-12-92 14	" " " " " W. End	0	123.3	5.5	132.2	93.3
15	" " " " " E. End	0	121.4	6.9	132.2	91.8

REMARKS:

SMITH & ASSOCIATES
1716 Oak St. Unit6
BAKERSFIELD, CALIFORNIA 93301 (805) 325-9076

TEST METHOD ASTM D 1557-78 METHOD 4 5 LAYER

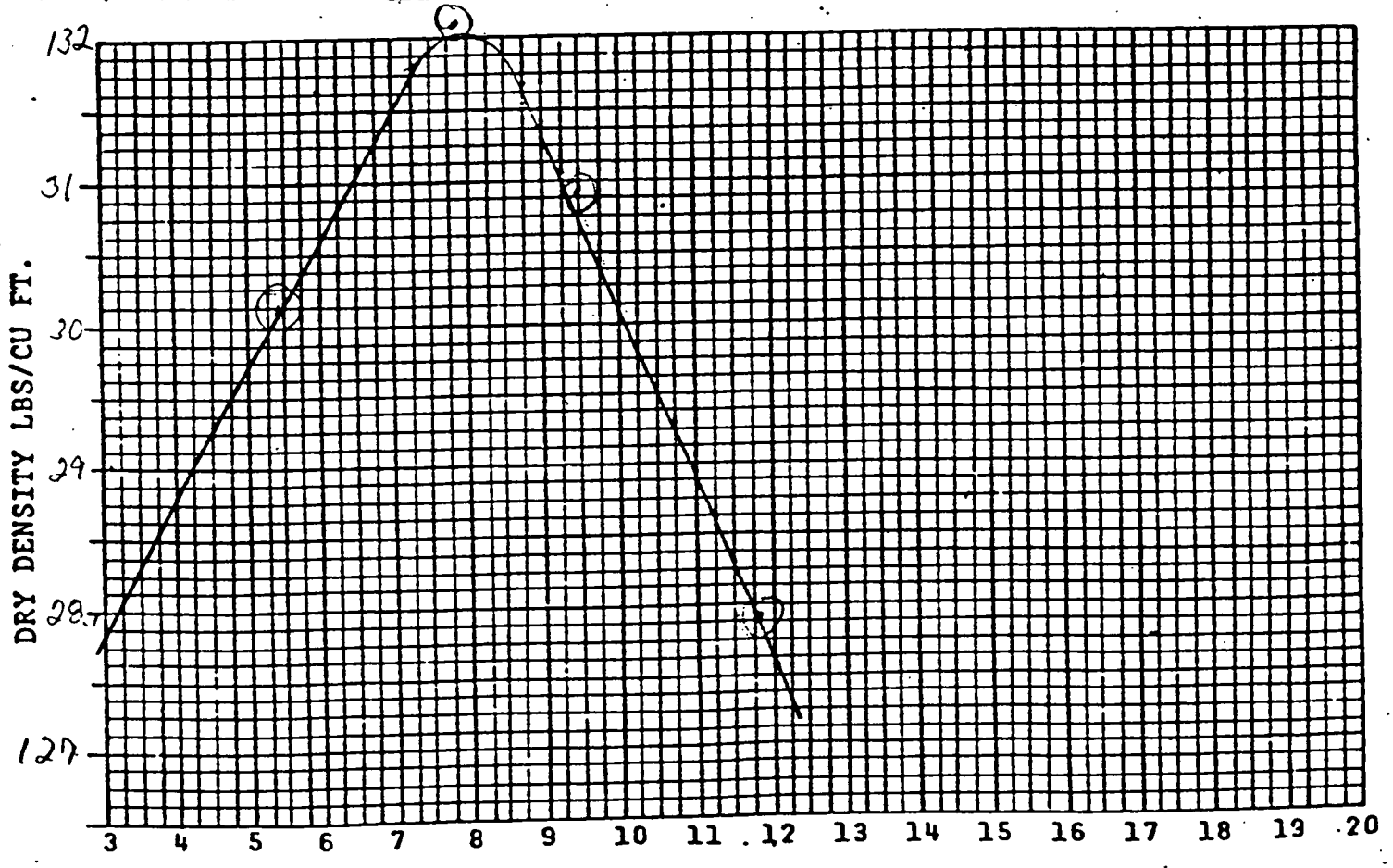
LOCATION 9068 Grapevine Rd. Lebec Ca.
Unocal # 1739
SAMPLE NO. 1 Import

JOB NO. 92-K-1
DATE: 11-5-92
TECH. Don Frederiksen

	1	2	3	4	5	6
Est. % Moisture Added		2%	4%	6%	8%	
Wt. Mold & Soil (G)		4086	4160	4178	4170	
Wt. Mold Only (G)		2011	2011	2011	2011	
Wt. Wet Soil (G)		2075	2149	2167	2159	
Wt. Wet Soil X .066139		137.2	142.1	143.3	142.7	
% Moisture		5.4	7.5	9.5	11.7	
Dry Wt. Soil LBS/CU. FT.		130.2	132.2	130.8	127.8	

MOISTURE DETERMINATION						
Wt. Container + Wet Soil		586.0	596.3	599.0	595.5	
Wt. Container + Dry Soil		567.2	574.3	566.4	552.8	
Moisture Loss		18.8	22.0	32.6	42.7	
Wt. Container		219.7	282.7	226.3	188.2	
Wt. Dry Soil		347.5	291.6	340.1	364.6	

MAXIMUM DRY DENSITY 132.2 OPTIMUM MOISTURE 7.5



SMITH & ASSOCIATES
1716 Oak St. Unit6
BAKERSFIELD, CALIFORNIA 93301 (805) 325-9076

TEST METHOD ASTM D 1557-78 METHOD A 5 LAYER

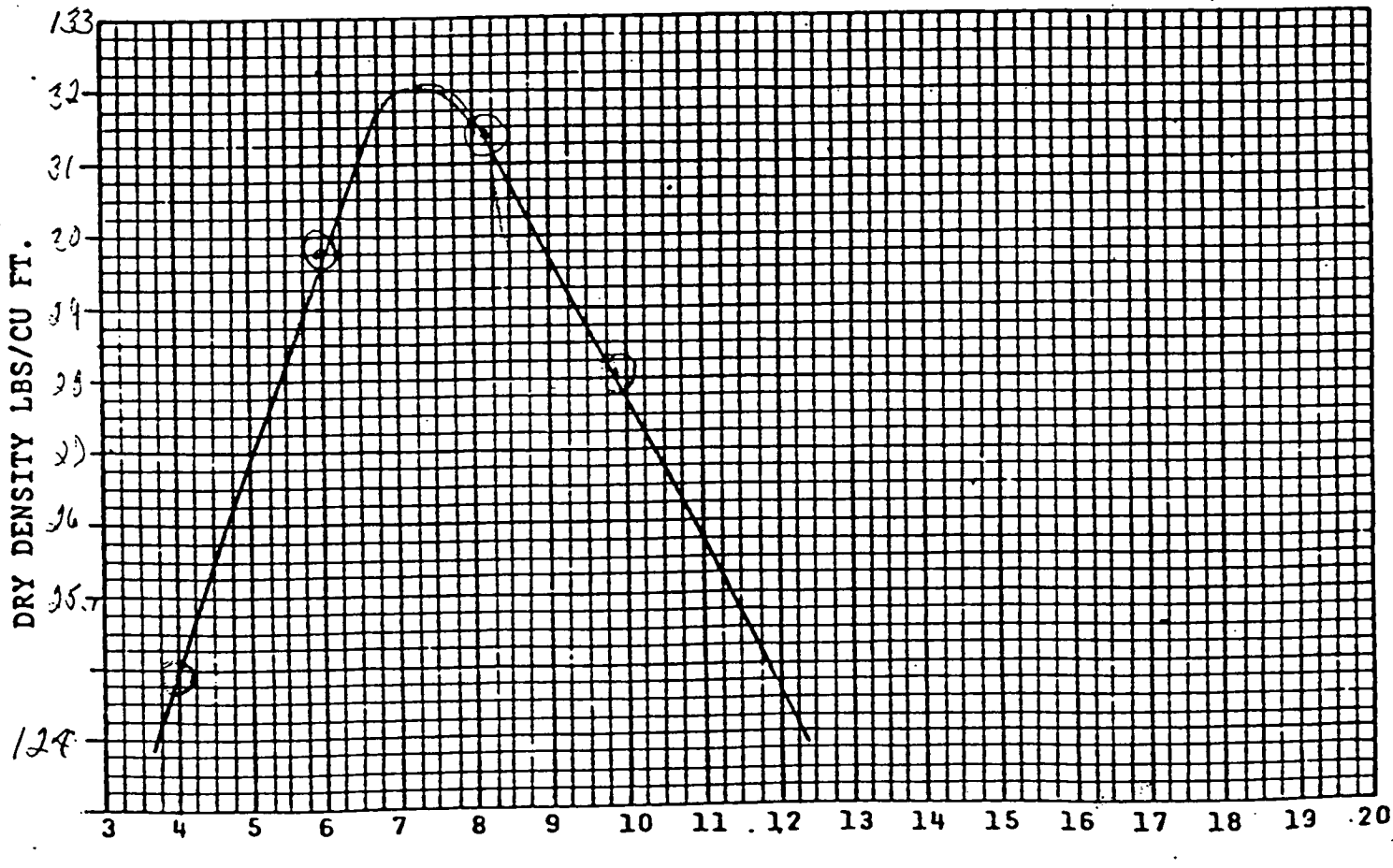
- Uncol = 7734

LOCATION 9068 Grapevine Rd. Lake Co. JOB NO. 92-K-1
Wagner Const. DATE: 11-3-92
SAMPLE NO. 1 (ON SITE MTRL) TECH. Dan Frederiksen

	1	2	3	4	5	6
Est. % Moisture Added	.0%	2%	4%	6%		
Wt. Mold & Soil (G)	3975	4089	4160	4133		
Wt. Mold Only (G)	2011	2011	2011	2011		
Wt. Wet Soil (G)	1964	2078	2149	2122		
Wt. Wet Soil X .066139	129.8	137.4	142.1	140.6		
% Moisture	4.0	5.9	8.1	9.9		
Dry Wt. Soil LBS/CU. FT.	124.9	129.7	131.4	128.0		

MOISTURE DETERMINATION						
Wt. Container + Wet Soil	579.2	585.4	585.8	572.7		
Wt. Container + Dry Soil	565.9	565.2	563.0	537.6		
Moisture Loss	13.3	20.2	22.8	34.3		
Wt. Container	226.3	219.7	222.7	193.2		
Wt. Dry Soil	339.1	345.5	280.3	344.4		

MAXIMUM DRY DENSITY 132.0 OPTIMUM MOISTURE 7.5



APPENDIX B

GEORESEARCH PROCEDURES

GEORESEARCH

SOIL SAMPLING PROCEDURES FOR UNDERGROUND STORAGE TANKS AND ASSOCIATED FACILITITES

The following procedures are utilized for the collection of soil samples:

i. Soil samples are obtained under the direction of a professional engineer, geologist, or authorized representative of a State-approved laboratory. Sample numbers and locations are approved by the city/county inspector, if present on-site.

ii. All soil samples at tank removal sites are taken from the backhoe bucket, unless the excavation has been safely graded or shored. Soil samples will be collected from the interior portions of the excavator bucket, away from the bucket's edges and teeth, to avoid potential cross-contamination. Approximately one inch of soil is removed from the surface area where the sample is to be collected and a clean, 6-inch long, 1-inch minimum diameter brass ring will be pounded into the soil using a wooden mallet, or equivalent tool. No headspace will be present in the ring once the sample is collected.

iii. In shallow excavations, as in under product lines, soil samples may be taken by driving the brass tube directly into the trench sidewall.

iv. Soil samples are collected in thin-walled stainless steel or brass cylinders 6" long by 1.5" or 2" diameter. Cylinders are pounded into the soil with a wooden mallet or equivalent method when not using an auger or drilling equipment.

v. Each end of the cylinder is covered with aluminum foil, capped with polyethylene lids, taped, and labeled.

vi. Samples are transported in an ice chest containing blue ice or equivalent and kept at approximately 4 degrees centigrade until delivery to a California Department of Health Services-approved analytical laboratory.

vii. Chain-of-custody records produced in accordance with U.S. E.P.A. requirements are kept to track the possession of a sample from the time it is taken in the field until the time it is analyzed.

APPENDIX C

ANALYTICAL METHODS

SUMMARIES OF LABORATORY ANALYTICAL METHODS: SOIL SAMPLES

The following briefly describes laboratory analyses performed on soil samples in accordance with the specified EPA or California Department of Health and Safety methods.

EPA Method 418.1: Total Recoverable Petroleum Hydrocarbons
Infrared spectrometry (IR) is utilized to define concentrations of total recoverable petroleum hydrocarbons (TRPH) in soil samples. Freon is used to extract potential hydrocarbons from the sample. The extractant is then analyzed by IR for TRPH concentrations.

Total Petroleum Hydrocarbons - Gasoline
The volatile components of gasoline are determined by purge and trap followed by gas chromatography/flame ionization detector (GC/FID). A small amount of sample (about 1 gram) is placed in a purge vessel and 5 ml water added. The sample is purged for a specific time and the volatiles absorbed on a trap. After purging the trap is heated and the volatiles swept into the GC. The analytes are separated using a capillary column and detected using an FID. The total petroleum hydrocarbon as gasoline (TPH-G) is determined as the total amount of volatiles detected.

EPA Method 8020: Benzene, Toluene, Total Xylenes, Ethylbenzene
Organic volatile aromatics in soil samples are detected on a gas chromatograph/photoionization detector (GC/PID). Pentane is utilized as the solvent extractant for potential aromatics within soil samples. The pentane and any extracted solvents are injected on a packed column. The aromatics are detected by the PID.

Total Petroleum Hydrocarbons - Diesel
Total petroleum hydrocarbons as Diesel (TPH-D) is determined by extracting a soil sample with pentane. The extract is analyzed by gas chromatography with a flame ionization detector (GC/FID). The TPH-D is determined as the total amount of compounds detected in the range where diesel elutes from the capillary column.

EPA Method 6010: ICP-AES Metals
Up to 23 metals can be analyzed for simultaneously by Inductively Coupled Plasma-Atomic Emission Spectroscopy (ICP-AES). The soil sample is digested with strong acid and the digest aspirated into the ICP. The metals are detected by monitoring the atomic emission lines of the various elements.

APPENDIX D

LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

PROJECT NAME: UNOCAL #4734
9068 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED : 10/12/92
DATE RECEIVED: 10/12/92
DATE ANALYZED: 10/12/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: TPH-G

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
D6-10	ND	1.0
D7-6	ND	1.0
SS27-15	ND	1.0
SS28-15	ND	1.0
SS29-15	ND	1.0
SS30-15	ND	1.0

ND - Not detected below indicated limit of detection.

Analyst: RG

Reviewed and Approved: [signature]
Report date: 10/16/92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - GASOLINE

GEOTEST CLIENT NAME: GEORESEARCH ELAP Certification #1225
GEOTEST PROJECT NO: 92400-11 Analyses prep method:5030
GEOTEST PROJECT NAME: UNOCAL #4734 Analyses method:DHS TPH-G
DATE ANALYZED:10/12/92
SAMPLE MATRIX:SOIL

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	1.0

	ACCURACY %	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	107	70 - 130

	RECOVERY %	ACCEPTABLE RANGE %
MATRIX SPIKE	106	70 - 130

	REPRODUCIBILITY %	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	101	70 - 130

Checked and Approved: _____

Report Date: 10/16/92

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

DATE SAMPLED : 10/12/92
DATE RECEIVED: 10/12/92
DATE ANALYZED: 10/12/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: BTEX

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF ORGANIC AROMATICS
EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
D6-10	ND	ND	ND	ND
D7-6	ND	ND	ND	ND
SS27-15	ND	ND	ND	ND
SS28-15	ND	ND	ND	ND
SS29-15	ND	0.006	ND	0.016
SS30-15	ND	ND	ND	ND

ND - Not detected below indicated limit of detection.

Analyst: RG

Reviewed and Approved: [signature]
Report date: 10/16/92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF BTEX BY GC/PID

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 10/12/92
SAMPLE MATRIX: SOIL

ELAP Certification #1225
Analyses prep method:5030
Analyses method:8020

METHOD BLANK	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
Benzene	ND	0.005
Toluene	ND	0.005
Ethylbenzene	ND	0.005
Total Xylenes	ND	0.015

LABORATORY CONTROL STANDARD	% ACCURACY	ACCEPTABLE RANGE %
Benzene	90	70-130%
Toluene	95	70-130%
Ethylbenzene	101	70-130%
Total Xylenes	99	70-130%

MATRIX SPIKE	% RECOVERY	ACCEPTABLE RANGE %
Benzene	95	70-130%
Toluene	95	70-130%
Ethylbenzene	99	70-130%
Total Xylenes	96	70-130%

MATRIX SPIKE DUPLICATE	% REPRODUCIBILITY	ACCEPTABLE RANGE %
Benzene	97	70-130%
Toluene	98	70-130%
Ethylbenzene	99	70-130%
Total Xylenes	99	70-130%

Checked and Approved: _____

Report Date: 10/16/92

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

DATE SAMPLED : 10/12/92
DATE RECEIVED: 10/12/92
DATE ANALYZED: 10/12/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: 418.1

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY INFRARED SPECTROMETRY
EPA METHOD 418.1

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
D6-10	ND	50
D7-6	ND	50
SS17-2	ND	50
SS18-3	59	50
SS19-3	ND	50
SS20-3	110	50
SS21-3	63	50
SS22-3	92	50
SS23-6	62	50
SS24-2	53	50
SS25-2	57	50
SS26-6	72	50

ND - Not detected below indicated limit of detection.

Analyst: RG

Reviewed and Approved: _____
Report date: 10/14/92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
EPA METHOD 418.1

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 10/12/92
SAMPLE MATRIX: SOIL

ELAP certification #1225
Analyses method: 418.1

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	50

	% ACCURACY	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	100	70 - 130%

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE	106	70 - 130%

	% REPRODUCIBILITY	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	100	70 - 130%

Checked and Approved: _____

Report Date: 10/16/92

5609C ML104

GEOTEST
3960 Gilman Street
Long Beach, CA. 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST
PROJECT NO: _____
DATE 10/12/92 PAGE 1 OF 2

PROJECT NAME Unocal 4736
ADDRESS 9068 Grapevine Rd, Lebec, CA
SAMPLER'S SIGNATURE Blair Redfearn
PRINTED NAME Blair Redfearn
CLIENT PROJECT NO. 92025
PROJECT MANAGER Steve Curra

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS						MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
D6-10	10/12/92	1010	Center Island #2	✓		✓	✓							Soil	BRASS	1	
D7-6		1100	Center Island #1	✓		✓	✓								"	1	
SS17-2	10/12/92	1245	North of station				✓								GLASS	1	
SS18-3	"	1250	"				✓									1	
SS19-3	"	1255	"				✓									1	
SS20-3	"	1258	"				✓									1	
SS21-3	"	1259	"				✓									1	
SS22-3	"	1300	"				✓									1	

1 RELINQUISHED BY: Blair Redfearn	DATE 10/12/92	2 RELINQUISHED BY: Ryan Gates	DATE 10/13/92
SIGNATURE: Blair Redfearn		SIGNATURE: RYAN GATES	
PRINTED NAME: Georesearch	TIME 1800	PRINTED NAME: GEOTEST	TIME 9:00
COMPANY		COMPANY	
4 RECEIVED BY: Ryan Gates	DATE 10/12/92	5 RECEIVED BY	DATE
SIGNATURE: RYAN GATES		SIGNATURE	
PRINTED NAME: GEOTEST	TIME 1800	PRINTED NAME	TIME
COMPANY		COMPANY	

3 RELINQUISHED BY	DATE
SIGNATURE	
PRINTED NAME	TIME
COMPANY	
6 RECEIVED BY (LAB): Shirley Munoz	DATE 10/13/92
SIGNATURE: SHIRLEY MUNOZ	
PRINTED NAME: GEOTEST	TIME 9:00
COMPANY	

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS

4/8.1 detection limits should be 50 mg/kg

GEOTEST
3960 Gilman Street
Long Beach, CA. 90815
Telephone: (310) 498-9515 (800) 624-5744

5609C ALIOT

CHAIN-OF-CUSTODY RECORD

GEOTEST
PROJECT NO:
DATE 10/12/92 PAGE 2 OF 2

PROJECT NAME UNOCAL 4734
ADDRESS 9068 Grapevine Rd, Lebeghal.
SAMPLER'S SIGNATURE Blair Redfearn
PRINTED NAME Blair Redfearn
CLIENT PROJECT NO. 92075
PROJECT MANAGER Steve Curra

METHODS

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS						MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SS23-6	10/12/92	1341	Southeast corner				✓							Soil	Glass	1	
SS24-~~6~~2	10/12/92	1343	"				✓									1	
SS25-2	10/12/92	1346	"				✓									1	
SS26-6	10/12/92	1350	"				✓									1	
SS27-15		1500	North end Island #1	✓		✓									Glass	1	
SS28-15		1505	"	✓		✓										1	
SS29-15		1510	"	✓		✓										1	
SS30-15		1525	"	✓		✓										1	

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE Blair Redfearn	10/12/92	SIGNATURE Ryan C. Gates	10/13/92	SIGNATURE	
PRINTED NAME Blair Redfearn	TIME	PRINTED NAME RYAN C. GATES	TIME	PRINTED NAME	TIME
COMPANY Georesearch	1800	COMPANY GEOTEST	9:00	COMPANY	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE Ryan Gates	10/12/92	SIGNATURE		SIGNATURE Shirley Munoz	10/13/92
PRINTED NAME RYAN GATES	TIME	PRINTED NAME	TIME	PRINTED NAME SHIRLEY MUNOZ	TIME
COMPANY GEOTEST	1800	COMPANY		COMPANY GEOTEST	9:00

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS
418.1 detection Limits should be 50 mg/kg

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

PROJECT NAME: UNOCAL #4734
9068 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED : 10/09/92
DATE RECEIVED: 10/09/92
DATE ANALYZED: 10/09/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: TPH-G

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
D4-15	5.3	1.0
T2-W-18	150	1.0
T3-W-18	ND	1.0
T3-E-18	1.3	1.0
T2-E-19	3.5	1.0
SS5-18	ND	1.0
SS6-18	ND	1.0
SS7-18	ND	1.0
T2-W-20	ND	1.0
SS8-18	ND	1.0

ND - Not detected below indicated limit of detection.

Analyst: TF

Reviewed and Approved: [signature]
Report date: 10/16/92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - GASOLINE

GEOTEST CLIENT NAME: GEORESEARCH ELAP Certification #1225
GEOTEST PROJECT NO: 92400-11 Analyses prep method:5030
GEOTEST PROJECT NAME: UNOCAL #4734 Analyses method:DHS TPH-G
DATE ANALYZED:10/09/92
SAMPLE MATRIX:SOIL

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	1.0

	ACCURACY %	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	101	70 - 130

	RECOVERY %	ACCEPTABLE RANGE %
MATRIX SPIKE	98	70 - 130

	REPRODUCIBILITY %	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	115	70 - 130

Checked and Approved: _____

Report Date: 10/16/92

GEOTEST
An Environmental Monitoring and Testing Service

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L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

DATE SAMPLED : 10/09/92
DATE RECEIVED: 10/09/92
DATE ANALYZED: 10/09/92
10/12/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: TPH-D

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR DIESEL

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
T1-N-18	ND	10
T1-S-18	ND	10
T1-C-17	2200	10
SS13-17	ND	10
SS14-17	ND	10
SS15-18	ND	10
SS16-18	ND	10

ND - Not detected below indicated limit of detection.

Analyst: RG

Reviewed and Approved: [signature]
Report date: 10/16/92

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GEOTEST
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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - DIESEL

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 10/12/92
SAMPLE MATRIX: SOIL

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	10

	% ACCURACY	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	108	70 - 130%

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE	116	70 - 130%

	% REPRODUCIBILITY	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	76	70 - 130%

Checked and Approved: _____

Report Date: 10/16/92

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LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

PROJECT NAME: UNOCAL #4734
9068 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED : 10/09/92
DATE RECEIVED: 10/09/92
DATE ANALYZED: 10/09/92
10/12/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: BTEX

ANALYSIS OF ORGANIC AROMATICS
EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
D4-15	ND	0.19	0.067	0.60
T1-N-18	ND	ND	ND	ND
T2-W-18	ND	0.11	0.071	1.6
T3-W-18	ND	ND	ND	ND
T1-S-18	ND	ND	ND	ND
T3-E-18	ND	ND	ND	0.018
T2-E-19	ND	ND	ND	ND
SS5-18	ND	ND	ND	ND
SS6-18	ND	ND	ND	ND
SS7-18	ND	ND	ND	ND
T2-W-20	ND	ND	ND	ND
SS8-18	ND	ND	ND	ND
T1-C-17	ND	ND	ND	ND
SS13-17	ND	ND	ND	ND
SS14-17	ND	ND	ND	ND
SS15-18	ND	ND	ND	ND
SS16-18	ND	ND	ND	ND

ND - Not detected below indicated limit of detection.

Analyst: TF, RG

Reviewed and Approved: [signature]
Report date: 10/16/92

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ORIGINAL

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF BTEX BY GC/PID

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 10/09/92
SAMPLE MATRIX: SOIL

ELAP Certification #1225
Analyses prep method:5030
Analyses method:8020

METHOD BLANK	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
Benzene	ND	0.005
Toluene	ND	0.005
Ethylbenzene	ND	0.005
Total Xylenes	ND	0.015

LABORATORY CONTROL STANDARD	% ACCURACY	ACCEPTABLE RANGE %
Benzene	88	70-130%
Toluene	81	70-130%
Ethylbenzene	92	70-130%
Total Xylenes	90	70-130%

MATRIX SPIKE	% RECOVERY	ACCEPTABLE RANGE %
Benzene	91	70-130%
Toluene	92	70-130%
Ethylbenzene	91	70-130%
Total Xylenes	93	70-130%

MATRIX SPIKE DUPLICATE	% REPRODUCIBILITY	ACCEPTABLE RANGE %
Benzene	114	70-130%
Toluene	116	70-130%
Ethylbenzene	112	70-130%
Total Xylenes	113	70-130%

Checked and Approved: _____

Report Date: 10/16/92

GEOTEST
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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF BTEX BY GC/PID

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 10/12/92
SAMPLE MATRIX: SOIL

ELAP Certification #1225
Analyses prep method:5030
Analyses method:8020

METHOD BLANK	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
Benzene	ND	0.005
Toluene	ND	0.005
Ethylbenzene	ND	0.005
Total Xylenes	ND	0.015

LABORATORY CONTROL STANDARD	% ACCURACY	ACCEPTABLE RANGE %
Benzene	90	70-130%
Toluene	95	70-130%
Ethylbenzene	101	70-130%
Total Xylenes	99	70-130%

MATRIX SPIKE	% RECOVERY	ACCEPTABLE RANGE %
Benzene	95	70-130%
Toluene	95	70-130%
Ethylbenzene	99	70-130%
Total Xylenes	96	70-130%

MATRIX SPIKE DUPLICATE	% REPRODUCIBILITY	ACCEPTABLE RANGE %
Benzene	97	70-130%
Toluene	98	70-130%
Ethylbenzene	99	70-130%
Total Xylenes	99	70-130%

Checked and Approved: _____

Report Date: 10/16/92

GEOTEST
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L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

DATE SAMPLED : 10/09/92
DATE RECEIVED: 10/09/92
DATE ANALYZED: 10/09/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: 418.1

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY INFRARED SPECTROMETRY EPA METHOD 418.1

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
D4-11	1600	50
D4-15	ND	50
WO-C-14	ND	50
SS9-13	ND	50
SS10-13	ND	50
SS11-13	ND	50
SS12-13	ND	50

ND - Not detected below indicated limit of detection.

Analyst: TF

Reviewed and Approved: [signature]
Report date: 10/16/92

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GEOTEST
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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
EPA METHOD 418.1

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 10/09/92
SAMPLE MATRIX: SOIL

ELAP certification #1225
Analyses method: 418.1

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	50

	% ACCURACY	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	98	70 - 130%

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE	94	70 - 130%

	% REPRODUCIBILITY	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	100	70 - 130%

Checked and Approved: _____

Report Date: 10/16/92

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

(TF) ML104 3609B
GEOTEST
PROJECT NO: 92400-11
DATE 10/9/92 PAGE 1 OF 4

PROJECT NAME: Unocal 4734
ADDRESS: 9068 Grapevine Rd, Lebec, CA
SAMPLER'S SIGNATURE: Blair Redfearn
PRINTED NAME: Blair Redfearn
CLIENT PROJECT NO.: 92075
PROJECT MANAGER: Steve Curra

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS					Hold	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
D4-11	10/9/92	0745	North end Island #1				✓							soil	brass	1	
D4-15		0755	"	✓		✓	✓										
D4-20		0805	"	(X)		(X)							cancel				
T1-N-18		1210	Diesel UST Pit North end		✓	✓											
T1-N-14		1200	"		(X)	(X)							cancel				
T2-W-14		1215	Gas. UST Pit West ~~side~~ End	(X)		(X)							cancel				
T2-W-18		1220	"	✓		✓											
T3-W-14		1225	"	(X)		(X)							cancel				
T3-W-18		1230	"	✓		✓											

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE: Blair Redfearn	10/9/92	SIGNATURE:		SIGNATURE: [signature]	10/12/92 8:00
PRINTED NAME: Blair Redfearn	TIME	PRINTED NAME:	TIME	PRINTED NAME: Tony Fernandes	TIME
COMPANY: Geo Research	12:30	COMPANY:		COMPANY: Geotest	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE: [signature]	10/9/92	SIGNATURE:		SIGNATURE: Shirley Munoz	10/12/92
PRINTED NAME: Tony Fernandes	TIME	PRINTED NAME:	TIME	PRINTED NAME: Shirley Munoz	TIME
COMPANY: Geotest	12:30	COMPANY:		COMPANY: Geotest	8:00

SAMPLE CONDITIONS
RECEIVED ON ICE (YES) NO
CHAIN OF CUSTODY SEAL YES (NO)

PROJECT COMMENTS

418.1 – Detection limit should be 50 mg/kg
(X) Add'l analyses requested via fax 10/12/92

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

(TF) ML104 S609B

GEOTEST
PROJECT NO: 92400-11
DATE 10/9/92 PAGE 2 OF 4

PROJECT NAME UNOCAL 4734
ADDRESS 9068 GRAPEVINE Rd, Lebec, CA
SAMPLER'S SIGNATURE Blair Redfearn
PRINTED NAME BLAIR REDFEARN
CLIENT PROJECT NO. 92075
PROJECT MANAGER Steve CURRA

METHODS

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	Total Lead	TOX			Hold	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
T1-S-14	10/9/92	1235	Diesel UST Pit - South end		⊗	⊗							Cancel ✓	Soil	Brass	1	
T1-S-18		1240	" "		✓	✓											
WO-C-10		1245	WAST-oil UST Pit Center				⊗		⊗	⊗			Cancel ✓				
WO-C-14		1250	"				✓		⊗	⊗							
T3-E-14		1255	GAS. TANK UST Pit East end	⊗		⊗							Cancel ✓				
T3-E-16		1300	"	⊗		⊗							Cancel ✓				
T3-E-18		1305	"	✓		✓											
T2-E-14		1310	"	⊗		⊗							Cancel ✓				
T2-E-16		1315	"	⊗		⊗							Cancel ✓				

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE [signature]	10/9/92	SIGNATURE		SIGNATURE [signature]	10/12
PRINTED NAME BLAIR Redfearn	TIME	PRINTED NAME	TIME	PRINTED NAME TONY FERNANDES	TIME
COMPANY Geo Research	1:45	COMPANY		COMPANY GEOTEST	8:00

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE [signature]	10/9/92	SIGNATURE		SIGNATURE [signature]	10/12/92
PRINTED NAME TONY FERNANDES	TIME	PRINTED NAME	TIME	PRINTED NAME STOREY MUNOZ	TIME
COMPANY GEOTEST	1:45	COMPANY		COMPANY GEOTEST	8:00

SAMPLE CONDITIONS
RECEIVED ON ICE (YES) NO
CHAIN OF CUSTODY SEAL YES/(NO)

PROJECT COMMENTS

418.1 - Detection Limit 50 mg/kg
⊗ Add'l Analyses requested via fax 10/12/92

GEOTEST
3960 Gilman Street
Long Beach, CA. 90815
Telephone: (310) 498-9515 (800) 624-5744

TF ML 104 5609 B

CHAIN-OF-CUSTODY RECORD

GEOTEST
PROJECT NO: 92400-11
DATE 10/9/92 PAGE 3 OF 4

PROJECT NAME UNOCAL 4734
ADDRESS 9068 Grapevine Rd, Lebec, CA
SAMPLER'S SIGNATURE Blair Redfearn
PRINTED NAME BLAIR REDFEARN
CLIENT PROJECT NO. 92025
PROJECT MANAGER STEVE CURRA

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
T2-E-19	10/9/92	1420	GAS. UST PIT EAST EW	✓		✓			Soil	brass	1	
SS5-18		1430	Gasoline UST Pit EAST WALL	✓		✓						
SS6-18		1440	South WALL	✓		✓						
SS7-18		1450	11' NORTH WALL	✓		✓						
T2-W-20		1500	West end TANK PIT ~~NORTH WALL~~	✓		✓						
SS8-18		1505	west WALL-Gasoline UST Pit	✓		✓						
SS9-13		1545	W.O. Pit - South WALL				✓					
SS10-13		1550	11' West WALL				✓					
SS11-13		1555	11' NORTH WALL				✓					

1 RELINQUISHED BY SIGNATURE Blair Redfearn PRINTED NAME BLAIR REDFEARN COMPANY GEOTEST	DATE 10/9/92 TIME 2:1600	2 RELINQUISHED BY SIGNATURE PRINTED NAME COMPANY	DATE TIME	3 RELINQUISHED BY SIGNATURE PRINTED NAME TONY FERNANDES COMPANY GEOTEST	DATE 10/12/92 TIME 5:00	SAMPLE CONDITIONS RECEIVED ON ICE YES/NO CHAIN OF CUSTODY SEAL YES/NO	
4 RECEIVED BY SIGNATURE PRINTED NAME TONY FERNANDES COMPANY GEOTEST	DATE 10/9/92 TIME ~~2:45~~ TF 4100	5 RECEIVED BY SIGNATURE PRINTED NAME COMPANY	DATE TIME	6 RECEIVED BY (LAB) SIGNATURE PRINTED NAME COMPANY GEOTEST	DATE 10/12/92 TIME 8:00	PROJECT COMMENTS 418.1 Detection Limit 50 mg/kg	

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

ML 104 5609B

GEOTEST
PROJECT NO: 92400-11
DATE 10/9/92 PAGE 4 OF 4

PROJECT NAME UNOCAL 4734
ADDRESS 9068 GRAPEVINE Rd, Lebec, CA
SAMPLER'S SIGNATURE Blair Redfearn
PRINTED NAME Blair Redfearn
CLIENT PROJECT NO. 92075
PROJECT MANAGER Steve Curra

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS						MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SS12-13	10/9/92	1600	W.O. Pit East wall				✓							Soil	brass	1	
T1-C-17		1610	Diesel UST - Center		✓	✓										1	
SS13-17		1615	Diesel Pit - East wall		✓	✓										1	
SS14-17		1620	" west wall		✓	✓										1	
SS15-18		1625	" North wall		✓	✓										1	
SS16-18		1635	" South wall		✓	✓										1	

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE [signature]	10/9/92	SIGNATURE		SIGNATURE [signature]	10/12
PRINTED NAME Blair Redfearn	TIME	PRINTED NAME	TIME	PRINTED NAME Tony Fernandes	TIME
COMPANY Geo Redfearn	4:00	COMPANY		COMPANY Geotest	8:00

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE [signature]	10/9/92	SIGNATURE		SIGNATURE [signature]	10/12/92
PRINTED NAME Tony Fernandes	TIME	PRINTED NAME	TIME	PRINTED NAME Stir Cor Munoz	TIME
COMPANY Geotest	4:00	COMPANY		COMPANY Geotest	8:00

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS

418.1 Detection limit — 50 mg/kg

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

PROJECT NAME: UNOCAL #4734
9068 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED :	10/08/92
DATE RECEIVED:	10/08/92
DATE ADDITIONAL ANALYSES REQUESTED:	10/12/92
DATE ANALYZED:	10/12/92 10/13/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-11
ANALYSES:	TPH-G

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
D1-3	14	1.0
D2-3	ND	1.0
PL1-3	ND	1.0
PL3-3	ND	1.0
D3-3	ND	1.0
D4-3	1200	1.0
D5-8	2.0	1.0
D1-10	3000	1.0

ND - Not detected below indicated limit of detection.

Analyst: RF, TF

Reviewed and Approved: _____

Report date: 10/14/92

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GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

PROJECT NAME: UNOCAL #4734
9068 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED :	10/09/92
DATE RECEIVED:	10/09/92
DATE ADDITIONAL ANALYSES REQUESTED:	10/12/92
DATE ANALYZED:	10/12/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-11
ANALYSES:	TPH-G

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
D4-20	ND	1.0
T2-W-14	ND	1.0
T3-W-14	ND	1.0
T3-E-14	ND	1.0
T3-E-16	170	1.0
T2-E-14	38	1.0
T2-E-16	11	1.0

ND - Not detected below indicated limit of detection.

Analyst: TF, RF

Reviewed and Approved: _____
Report date: 10/14/92

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GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - GASOLINE

GEOTEST CLIENT NAME: GEORESEARCH ELAP Certification #1225
GEOTEST PROJECT NO: 92400-11 Analyses prep method:5030
GEOTEST PROJECT NAME: UNOCAL #4734 Analyses method:DHS TPH-G
DATE ANALYZED:10/12/92
SAMPLE MATRIX:SOIL

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	1.0

	ACCURACY %	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	113	70 - 130

	RECOVERY %	ACCEPTABLE RANGE %
MATRIX SPIKE	111	70 - 130

	REPRODUCIBILITY %	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	94	70 - 130

Checked and Approved: _____

Report Date: 10/14/92

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - GASOLINE

GEOTEST CLIENT NAME: GEORESEARCH ELAP Certification #1225
GEOTEST PROJECT NO: 92400-11 Analyses prep method:5030
GEOTEST PROJECT NAME: UNOCAL #4734 Analyses method:DHS TPH-G
DATE ANALYZED:10/13/92
SAMPLE MATRIX:SOIL

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	1.0

	ACCURACY %	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	109	70 - 130

	RECOVERY %	ACCEPTABLE RANGE %
MATRIX SPIKE	107	70 - 130

	REPRODUCIBILITY %	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	97	70 - 130

Checked and Approved: _____

Report Date: 10/14/92

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

DATE SAMPLED :	10/8,9/92
DATE RECEIVED:	10/8,9/92
DATE ADDITIONAL ANALYSES REQUESTED:	10/12/92
DATE ANALYZED:	10/12/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-11
ANALYSES:	TPH-D

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR DIESEL

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
D2-3	ND	10
PL1-3	ND	10
PL2-3	ND	10
PL3-3	ND	10
T1-N-14	ND	10
T1-S-14	ND	10

ND - Not detected below indicated limit of detection.

Analyst: DR

Reviewed and Approved: _____
Report date: 10/13/92

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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - DIESEL

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 10/12/92
SAMPLE MATRIX: SOIL

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	10

	% ACCURACY	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	96	70 - 130%

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE	95	70 - 130%

	% REPRODUCIBILITY	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	95	70 - 130%

Checked and Approved: [signature]

Report Date: 10/13/92

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LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

DATE SAMPLED : 10/08/92
DATE RECEIVED: 10/08/92
DATE ADDITIONAL ANALYSES REQUESTED: 10/12/92
DATE ANALYZED: 10/12/92
10/13/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: BTEX

ATTENTION: STEVE CURRA

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF ORGANIC AROMATICS
EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
D1-3	0.098	0.47	0.16	1.5
D2-3	ND	ND	ND	ND
PL1-3	ND	ND	ND	ND
PL2-3	ND	ND	ND	ND
PL3-3	ND	ND	ND	ND
D3-3	ND	ND	ND	ND
D4-3	0.28	39	15	78
D5-8	ND	0.026	0.012	0.29
D1-10	0.43	41	44	530

ND - Not detected below indicated limit of detection.

Analyst: TF, RF

Reviewed and Approved: _____
Report date: 10/14/92

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LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED : 10/09/92
DATE RECEIVED: 10/09/92
DATE ADDITIONAL ANALYSES REQUESTED: 10/12/92
DATE ANALYZED: 10/12/92
10/13/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: BTEX

ANALYSIS OF ORGANIC AROMATICS
EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
D4-20	ND	0.011	0.009	0.097
T1-N-14	ND	ND	ND	0.019
T2-W-14	ND	ND	ND	ND
T3-W-14	ND	ND	ND	ND
T1-S-14	ND	ND	ND	ND
T3-E-14	ND	ND	ND	ND
T3-E-16	ND	0.019	0.20	4.1
T2-E-14	ND	0.008	0.056	0.92
T2-E-16	ND	0.005	0.014	0.22

ND - Not detected below indicated limit of detection.

Analyst: TF, RF Reviewed and Approved: _____
Report date: 10/14/92

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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF BTEX BY GC/PID

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 10/12/92
SAMPLE MATRIX: SOIL

ELAP Certification #1225
Analyses prep method:5030
Analyses method:8020

METHOD BLANK	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
Benzene	ND	0.005
Toluene	ND	0.005
Ethylbenzene	ND	0.005
Total Xylenes	ND	0.015

LABORATORY CONTROL STANDARD	% ACCURACY	ACCEPTABLE RANGE %
Benzene	94	70-130%
Toluene	90	70-130%
Ethylbenzene	93	70-130%
Total Xylenes	96	70-130%

MATRIX SPIKE	% RECOVERY	ACCEPTABLE RANGE %
Benzene	92	70-130%
Toluene	92	70-130%
Ethylbenzene	89	70-130%
Total Xylenes	93	70-130%

MATRIX SPIKE DUPLICATE	% REPRODUCIBILITY	ACCEPTABLE RANGE %
Benzene	98	70-130%
Toluene	101	70-130%
Ethylbenzene	102	70-130%
Total Xylenes	98	70-130%

Checked and Approved: _____

Report Date: 10/14/92

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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF BTEX BY GC/PID

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 10/13/92
SAMPLE MATRIX: SOIL

ELAP Certification #1225
Analyses prep method:5030
Analyses method:8020

METHOD BLANK	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
Benzene	ND	0.005
Toluene	ND	0.005
Ethylbenzene	ND	0.005
Total Xylenes	ND	0.015

LABORATORY CONTROL STANDARD	% ACCURACY	ACCEPTABLE RANGE %
Benzene	108	70-130%
Toluene	100	70-130%
Ethylbenzene	96	70-130%
Total Xylenes	99	70-130%

MATRIX SPIKE	% RECOVERY	ACCEPTABLE RANGE %
Benzene	94	70-130%
Toluene	96	70-130%
Ethylbenzene	103	70-130%
Total Xylenes	98	70-130%

MATRIX SPIKE DUPLICATE	% REPRODUCIBILITY	ACCEPTABLE RANGE %
Benzene	97	70-130%
Toluene	95	70-130%
Ethylbenzene	96	70-130%
Total Xylenes	96	70-130%

Checked and Approved: _____

Report Date: 10/14/92

GEOTEST
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L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

DATE SAMPLED :	10/09/92
DATE RECEIVED:	10/09/92
DATE ADDITIONAL ANALYSES REQUESTED:	10/12/92
DATE ANALYZED:	10/12/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-11
ANALYSES:	418.1

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY INFRARED SPECTROMETRY EPA METHOD 418.1

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
WO-C-10	ND	50

ND - Not detected below indicated limit of detection.

Analyst: VN

Reviewed and Approved: _____
Report date: 10/13/92

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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
EPA METHOD 418.1

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 10/12/92
SAMPLE MATRIX: SOIL

ELAP certification #1225
Analyses method: 418.1

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	50

	% ACCURACY	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	115	70 - 130%

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE	113	70 - 130%

	% REPRODUCIBILITY	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	100	70 - 130%

Checked and Approved: _____

Report Date: 10/13/92

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L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED :	10/09/92
DATE RECEIVED:	10/09/92
DATE ADDITIONAL ANALYSES REUQUESTED:	10/12/92
DATE ANALYZED:	10/12/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-11
ANALYSES:	TOTAL LEAD

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF TOTAL LEAD BY ICP EPA METHOD 6010

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
WO-C-10	3.1	1.0
WO-C-14	2.3	1.0

ND - Not detected below indicated limit of detection.

Analyst: SC

Reviewed and Approved: _____
Report date: 10/13/92

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ORIGINAL

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L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

PROJECT NAME: UNOCAL #4734
9068 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED : 10/08/92
DATE RECEIVED: 10/08/92
DATE ANALYZED: 10/8,9/92
10/13/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: TPH-G

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
D1-7	1100	1.0
D2-7	ND	1.0
PL1-7	ND	1.0
PL3-7	ND	1.0
D3-7	ND	1.0
D4-7	4500	1.0
D5-4	ND	1.0
D1-21	8.9	1.0

ND - Not detected below indicated limit of detection.

Analyst: RG, SJ

Reviewed and Approved: _____
Report date: 10/14/92

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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - GASOLINE

GEOTEST CLIENT NAME: GEORESEARCH ELAP Certification #1225
GEOTEST PROJECT NO: 92400-11 Analyses prep method:5030
GEOTEST PROJECT NAME: UNOCAL #4734 Analyses method:DHS TPH-G
DATE ANALYZED:10/08/92
SAMPLE MATRIX:SOIL

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	1.0

	ACCURACY %	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	102	70 - 130

	RECOVERY %	ACCEPTABLE RANGE %
MATRIX SPIKE	91	70 - 130

	REPRODUCIBILITY %	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	101	70 - 130

Checked and Approved: _____

Report Date: 10/14/92

GEOTEST
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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - GASOLINE

GEOTEST CLIENT NAME: GEORESEARCH ELAP Certification #1225
GEOTEST PROJECT NO: 92400-11 Analyses prep method:5030
GEOTEST PROJECT NAME: UNOCAL #4734 Analyses method:DHS TPH-G
DATE ANALYZED:10/09/92
SAMPLE MATRIX:SOIL

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	1.0

	ACCURACY %	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	107	70 - 130

	RECOVERY %	ACCEPTABLE RANGE %
MATRIX SPIKE	103	70 - 130

	REPRODUCIBILITY %	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	109	70 - 130

Checked and Approved: JHRC

Report Date: 10/14/92

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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - GASOLINE

GEOTEST CLIENT NAME: GEORESEARCH ELAP Certification #1225
GEOTEST PROJECT NO: 92400-11 Analyses prep method:5030
GEOTEST PROJECT NAME: UNOCAL #4734 Analyses method:DHS TPH-G
DATE ANALYZED:10/13/92
SAMPLE MATRIX:SOIL

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	1.0

	ACCURACY %	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	108	70 - 130

	RECOVERY %	ACCEPTABLE RANGE %
MATRIX SPIKE	105	70 - 130

	REPRODUCIBILITY %	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	100	70 - 130

Checked and Approved: _____

Report Date: 10/14/92

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 **(310) 498-9515** (800) 624-5744

L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

DATE SAMPLED : 10/08/92
DATE RECEIVED: 10/08/92
DATE ANALYZED: 10/08/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: TPH-D

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR DIESEL

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
D2-7	ND	10
PL1-7	ND	10
PL2-7	ND	10
PL3-7	ND	10

ND - Not detected below indicated limit of detection.

Analyst: RG

Reviewed and Approved: _____
Report date: 10/14/92

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GEOTEST
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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - DIESEL

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 10/08/92
SAMPLE MATRIX: SOIL

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	10

	% ACCURACY	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	88	70 - 130%

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE	102	70 - 130%

	% REPRODUCIBILITY	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	87	70 - 130%

Checked and Approved: _____

Report Date: 10/14/92

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L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED : 10/08/92
DATE RECEIVED: 10/08/92
DATE ANALYZED: 10/08/92
10/09/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: BTEX

ANALYSIS OF ORGANIC AROMATICS
EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
D1-7	3.8	12	12	110
D2-7	0.007	0.009	ND	ND
PL1-7	ND	ND	ND	ND
PL2-7	ND	0.005	ND	ND
PL3-7	ND	ND	ND	ND
D3-7	ND	0.007	ND	ND
D4-7	0.84	100	59	660
D5-4	ND	ND	ND	ND
D1-21	ND	0.007	0.010	0.11

ND - Not detected below indicated limit of detection.

Analyst: RG, RV, AM

Reviewed and Approved: [signature]
Report date: 10/14/92

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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF BTEX BY GC/PID

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 10/08/92
SAMPLE MATRIX: SOIL

ELAP Certification #1225
Analyses prep method:5030
Analyses method:8020

METHOD BLANK	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
Benzene	ND	0.005
Toluene	ND	0.005
Ethylbenzene	ND	0.005
Total Xylenes	ND	0.015

LABORATORY CONTROL STANDARD	% ACCURACY	ACCEPTABLE RANGE %
Benzene	88	70-130%
Toluene	82	70-130%
Ethylbenzene	98	70-130%
Total Xylenes	98	70-130%

MATRIX SPIKE	% RECOVERY	ACCEPTABLE RANGE %
Benzene	84	70-130%
Toluene	89	70-130%
Ethylbenzene	90	70-130%
Total Xylenes	90	70-130%

MATRIX SPIKE DUPLICATE	% REPRODUCIBILITY	ACCEPTABLE RANGE %
Benzene	100	70-130%
Toluene	99	70-130%
Ethylbenzene	99	70-130%
Total Xylenes	99	70-130%

Checked and Approved: [signature]

Report Date: 10/14/92

GEOTEST
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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF BTEX BY GC/PID

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 10/09/92
SAMPLE MATRIX: SOIL

ELAP Certification #1225
Analyses prep method:5030
Analyses method:8020

METHOD BLANK	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
Benzene	ND	0.005
Toluene	ND	0.005
Ethylbenzene	ND	0.005
Total Xylenes	ND	0.015

LABORATORY CONTROL STANDARD	% ACCURACY	ACCEPTABLE RANGE %
Benzene	104	70-130%
Toluene	93	70-130%
Ethylbenzene	104	70-130%
Total Xylenes	88	70-130%

MATRIX SPIKE	% RECOVERY	ACCEPTABLE RANGE %
Benzene	93	70-130%
Toluene	91	70-130%
Ethylbenzene	91	70-130%
Total Xylenes	91	70-130%

MATRIX SPIKE DUPLICATE	% REPRODUCIBILITY	ACCEPTABLE RANGE %
Benzene	100	70-130%
Toluene	107	70-130%
Ethylbenzene	106	70-130%
Total Xylenes	107	70-130%

Checked and Approved: _____

Report Date: 10/14/92

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF BTEX BY GC/PID

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 10/13/92
SAMPLE MATRIX: SOIL

ELAP Certification #1225
Analyses prep method:5030
Analyses method:8020

METHOD BLANK	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
Benzene	ND	0.005
Toluene	ND	0.005
Ethylbenzene	ND	0.005
Total Xylenes	ND	0.015

LABORATORY CONTROL STANDARD	% ACCURACY	ACCEPTABLE RANGE %
Benzene	101	70-130%
Toluene	94	70-130%
Ethylbenzene	101	70-130%
Total Xylenes	99	70-130%

MATRIX SPIKE	% RECOVERY	ACCEPTABLE RANGE %
Benzene	96	70-130%
Toluene	97	70-130%
Ethylbenzene	94	70-130%
Total Xylenes	94	70-130%

MATRIX SPIKE DUPLICATE	% REPRODUCIBILITY	ACCEPTABLE RANGE %
Benzene	102	70-130%
Toluene	101	70-130%
Ethylbenzene	102	70-130%
Total Xylenes	102	70-130%

Checked and Approved: _____

Report Date: 10/14/92

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

DATE SAMPLED : 10/08/92
DATE RECEIVED: 10/08/92
DATE ANALYZED: 10/08/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: 418.1

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY INFRARED SPECTROMETRY
EPA METHOD 418.1

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
D1-7	330	50
D2-3	ND	50
PL1-3	ND	50
PL3-3	ND	50
D3-3	ND	50
D4-3	1400	50
D4-7	1200	50
H1-5	ND	50
H1-10	ND	50
H2-5	ND	50
H2-10	ND	50
SS1-2	62	50
SS2-2	ND	50
SS3-2	ND	50
SS4-2	ND	50

ND - Not detected below indicated limit of detection.

Analyst: RG

Reviewed and Approved: _____
Report date: 10/14/92

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GEOTEST
An Environmental Monitoring and Testing Service

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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
EPA METHOD 418.1

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 10/08/92
SAMPLE MATRIX: SOIL

ELAP certification #1225
Analyses method: 418.1

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	50

	% ACCURACY	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	106	70 - 130%

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE	102	70 - 130%

	% REPRODUCIBILITY	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	100	70 - 130%

Checked and Approved: _____

Report Date: 10/14/92

GEOTEST
3960 Gilman Street
Long Beach, CA. 90815
Telephone: (310) 498-9515 (800) 624-5744

5604 R.

CHAIN-OF-CUSTODY RECORD

GEOTEST
PROJECT NO:
DATE 10/8/92 PAGE 1 OF 4

PROJECT NAME UNOCAL 4734
ADDRESS 9068 Grapevine Rd, Lebec, CA
SAMPLER'S SIGNATURE Blair Redfearn
PRINTED NAME Blair Redfearn
CLIENT PROJECT NO. 92075
PROJECT MANAGER Steve Curry

SAMPLE NO.	DATE	TIME	LOCATION	METHODS: TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS				Hold	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
D1-3	10/8/92	1025	Pump Island #2 North end	⊗		⊗	AR ✓					Capped	Soil	brass	1	
~~D2~~ D1-7		1035	"	✓		✓	✓									
D2-3		1040	" south end	⊗	⊗	⊗	✓									
D2-7		1045	"	✓	✓	✓										
PL1-3		1050	south of Pump Island #2	⊗	⊗	⊗	✓									
PL1-7		1055	"	✓	✓	✓										
PL2-3		1100	"		⊗	⊗						✓				
PL2-7	↓	1105	"		✓	✓							↓	↓	↓	
~~[illegible]~~																

	RELINQUISHED BY	DATE	RELINQUISHED BY	DATE	RELINQUISHED BY	DATE
SIGNATURE	Blair Redfearn	10/8/92	Kyan Gates	10/9/92		
PRINTED NAME	BLAIR Redfearn	TIME	RYAN GATES	TIME		TIME
COMPANY	GeoResearch	1800	GEOTEST	8:00		

	RECEIVED BY	DATE	RECEIVED BY	DATE	RECEIVED BY (LAB)	DATE
SIGNATURE	Ryan Gates	10/8/92			Shirley Munoz	10/9/92
PRINTED NAME	RYAN GATES	TIME		TIME	SHIRLEY MUNOZ	TIME
COMPANY	GEOTEST	1800			GEOTEST	8:00

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS

Detection limit for 418.1 should be 50 mg/kg
@Addl Analyses requested via fax 10/12/92

5609A

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST
PROJECT NO:
DATE 10/8/92 PAGE 2 OF 4

PROJECT NAME UNOCAL 4734
ADDRESS 9068 GRAPEVINE Rd, Lebec, CA
SAMPLER'S SIGNATURE Blair Redfearn
PRINTED NAME BLAIR Redfearn
CLIENT PROJECT NO. 92075
PROJECT MANAGER Steve Curra

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS						MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
PL3-3	10/8/92	1115	south of Pump Island #1	⊗	⊗	⊗	✓							Soil	brass	1	
PL3-7		1120	"	✓	✓	✓											
D3-3		1125	Pump Island #1 South end	⊗		⊗	✓										
D3-7		1130	"	✓		✓											
D4-3		1135	"	⊗		⊗	✓										
D4-7		1140	North end	✓		✓	✓										
H1-5		1245	Hoist #1				✓										
H1-10		1250	"				✓										

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE Blair Redfearn	10/8/92	SIGNATURE Ryan Gates	10/9/92	SIGNATURE	
PRINTED NAME Blair Redfearn	TIME	PRINTED NAME RYAN GATES	TIME	PRINTED NAME	TIME
COMPANY Geo Research	1800	COMPANY GEOTEST	8:00	COMPANY	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE Ryan Gates	10/8/92	SIGNATURE		SIGNATURE Shirley Munoz	10/9/92
PRINTED NAME RYAN GATES	TIME	PRINTED NAME	TIME	PRINTED NAME SHIRLEY MUNOZ	TIME
COMPANY GEOTEST	1800	COMPANY		COMPANY GEOTEST	8:00

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS

Detection limit for 418.1 should be 50 mg/kg
⊗ Add'l analyses requested via fax 10/12/92

5607A

GEOTEST
3960 Gilman Street
Long Beach, CA. 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST
PROJECT NO:
DATE 10/8/92 PAGE 3 OF 4

PROJECT NAME Unocal 4734
ADDRESS 9068 Grapevine Rd, Lebec, CA
SAMPLER'S SIGNATURE Blair Redfearn
PRINTED NAME Blair Redfearn
CLIENT PROJECT NO. 92075
PROJECT MANAGER Steve Curra

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS					Hold	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
H2-5	10/8/92	1255	Hoist #2				✓							Soil	brass	1	
H2-10		1300	"				✓										
D5-4		1305	Pump Island #1	✓		✓											
D5-8		1310	"	⊗		⊗							capsule ✓				
D1-10		1350	Pump Island #2 North end	⊗		⊗							✓				
SS1-2		1430	East of GAS USTs				✓								glass		
SS2-2		1435	"				✓										
SS3-2		1436	"				✓										
SS4-2		1438	"				✓										

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE: Blair Redfearn	10/8/92	SIGNATURE: Ryan Gates	10/9/92	SIGNATURE	
PRINTED NAME: Blair Redfearn	TIME	PRINTED NAME: RYAN GATES	TIME	PRINTED NAME	TIME
COMPANY: GeoResearch	1800	COMPANY: GEOTEST	8:00	COMPANY	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE: Ryan Gates	10/8/92	SIGNATURE		SIGNATURE: Shirley Muñoz	10/9/92
PRINTED NAME: RYAN GATES	TIME	PRINTED NAME	TIME	PRINTED NAME: SHIRLEY MUÑOZ	TIME
COMPANY: GEOTEST	1800	COMPANY		COMPANY: GEOTEST	8:00

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS

Detection limit for 418.1 should be 50 mg/kg
⊗ Add'l analyses requested via fax 10/12/92

GEOTEST
3960 Gilman Street
Long Beach, CA. 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

(TF) ML104 5609B
GEOTEST
PROJECT NO: 92400-11
DATE 10/9/92 PAGE 1 OF 4

PROJECT NAME: Unocal 4734
ADDRESS: 9068 Grapevine Rd, Lebec, CA
SAMPLER'S SIGNATURE: Blair Redfearn
PRINTED NAME: Blair Redfearn
CLIENT PROJECT NO.: 92075
PROJECT MANAGER: Steve Curra

METHODS

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS					Hold	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
D4-11	10/9/92	0745	North end Island #1				✓							soil	brass	1	
D4-15		0755	"	✓		✓	✓										
D4-20		0805	"	(X)		(X)							cancel				
T1-N-18		1210	Diesel UST Pit North end		✓	✓											
T1-N-14		1200	"		(X)	(X)							cancel				
T2-W-14		1215	Gas. UST Pit West ~~Side~~ End	(X)		(X)							cancel				
T2-W-18		1220	"	✓		✓											
T3-W-14		1225	"	(X)		(X)							cancel				
T3-W-18		1230	"	✓		✓											

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE: Blair Redfearn	10/9/92	SIGNATURE:		SIGNATURE: [signature]	10/12/92 8:00
PRINTED NAME: Blair Redfearn	TIME	PRINTED NAME:	TIME	PRINTED NAME: Tony Fernandes	TIME
COMPANY: Geo Research	12:30	COMPANY:		COMPANY: Geotesi	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE: [signature]	10/9/92	SIGNATURE:		SIGNATURE: [signature]	10/12/92
PRINTED NAME: Tony Fernandes	TIME	PRINTED NAME:	TIME	PRINTED NAME: Shirley Munoz	TIME
COMPANY: Geotesi	12:30	COMPANY:		COMPANY: Geotesi	8:00

SAMPLE CONDITIONS
RECEIVED ON ICE (YES) NO
CHAIN OF CUSTODY SEAL YES (NO)

PROJECT COMMENTS

448.1 – Detection limit should be 50 mg/kg
(X) Add'l analyses requested via fax 10/12/92

GEOTEST
3960 Gilman Street
Long Beach, CA. 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

(TF) ML104 S609B

GEOTEST
PROJECT NO: 92400-11
DATE 10/9/92 PAGE 2 OF 4

PROJECT NAME UNOCAL 4734
ADDRESS 9068 Greenridge Rd, Lebec, CA
SAMPLER'S SIGNATURE Blair Redfearn
PRINTED NAME Blair Redfearn
CLIENT PROJECT NO. 92025
PROJECT MANAGER Steve Cuerra

SAMPLE NO.	DATE	TIME	LOCATION	METHODS: TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	Total Lead	TOX			Hold	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
T1-S-14	10/9/92	1235	Diesel UST Pit - South end		⊗	⊗							cancel	Soil	GLASS	1	
T1-S-18		1240	" "		✓	✓											
WO-C-10		1245	WAST-oil UST Pit Center				⊗		⊗	⊗			cancel				
WO-C-14		1250	"				✓		⊗	⊗							
T3-E-14		1255	GAS. TANK UST Pit East end	⊗		⊗							cancel				
T3-E-16		1300	"	⊗		⊗							cancel				
T3-E-18		1305	"	✓		✓											
T2-E-14		1310	"	⊗		⊗							cancel				
T2-E-16		1315	"	⊗		⊗							cancel				

1 RELINQUISHED BY SIGNATURE Blair Redfearn PRINTED NAME BLAIR REDFEARN COMPANY GeoResearch	DATE 10/9/92 TIME 1:45	2 RELINQUISHED BY SIGNATURE PRINTED NAME COMPANY	DATE TIME	3 RELINQUISHED BY SIGNATURE PRINTED NAME TONY FERNANDES COMPANY GEOTEST	DATE 10/12 TIME 8:00
4 RECEIVED BY SIGNATURE PRINTED NAME TONY FERNANDES COMPANY GEOTEST	DATE 10/9/92 TIME 1:45	5 RECEIVED BY SIGNATURE PRINTED NAME COMPANY	DATE TIME	6 RECEIVED BY (LAB) SIGNATURE PRINTED NAME SHIRLEY MUNOZ COMPANY GEOTEST	DATE 10/12/92 TIME 8:00

SAMPLE CONDITIONS
RECEIVED ON ICE (YES) NO
CHAIN OF CUSTODY SEAL (YES) NO

PROJECT COMMENTS

418.1 - Detection limit 50 mg/kg
⊗ Add Analyses requested via fax 10/12/92

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

921626

CHAIN-OF-CUSTODY RECORD

GEOTEST
PROJECT NO: 92400-11
DATE 10-12-92 PAGE 1 OF 1

PROJECT NAME 92400-11
ADDRESS
SAMPLER'S SIGNATURE
PRINTED NAME
CLIENT PROJECT NO.
PROJECT MANAGER

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	TOX					MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
WO-C-10									X					Soil	125ml Q-Jar	1	
WO-C-14									X					Soil	125ml Q-Jar	1	

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE [signature]	10/12/92	SIGNATURE Pete Holley	10/13	SIGNATURE Ernie Blevins	10/13/92
PRINTED NAME Carel Rojo	TIME 4:45 p.m.	PRINTED NAME P. Holley	TIME 0900	PRINTED NAME ERNIE BLEVINS	TIME 1130
COMPANY Geotest		COMPANY Core Labs		COMPANY CORE LABS	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE Pete Holley	10/12	SIGNATURE Ernie Blevins	10/13/92	SIGNATURE [signature]	10/13/92
PRINTED NAME P. Holley	TIME 1645	PRINTED NAME ERNIE BLEVINS	TIME 1000	PRINTED NAME ERRIN Simkins	TIME 1130
COMPANY Core Labs		COMPANY CORE LABS		COMPANY Core Labs	

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS

GEOTEST
An Environmental Monitoring and Testing Service

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L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

PROJECT NAME: UNOCAL #4734
9068 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED : 10/13/92
DATE RECEIVED: 10/13/92
DATE ANALYZED: 10/13/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: TPH-G

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
D1-27	49	1.0
D1-30	2900	1.0

ND - Not detected below indicated limit of detection.

Analyst: RG

Reviewed and Approved: [signature]
Report date: 10/16/92

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GEOTEST
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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - GASOLINE

GEOTEST CLIENT NAME: GEORESEARCH ELAP Certification #1225
GEOTEST PROJECT NO: 92400-11 Analyses prep method:5030
GEOTEST PROJECT NAME: UNOCAL #4734 Analyses method:DHS TPH-G
DATE ANALYZED:10/13/92
SAMPLE MATRIX:SOIL

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	1.0

	ACCURACY %	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	95	70 - 130

	RECOVERY %	ACCEPTABLE RANGE %
MATRIX SPIKE	106	70 - 130

	REPRODUCIBILITY %	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	101	70 - 130

Checked and Approved: _____

Report Date: 10/16/92

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

DATE SAMPLED :	10/13/92
DATE RECEIVED:	10/13/92
DATE ANALYZED:	10/13/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-11
ANALYSES:	TPH-D

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR DIESEL

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
D1-30	ND*	10
T1-C-19	ND	10

*Sample contains gasoline.

ND - Not detected below indicated limit of detection.

Analyst: DR

Reviewed and Approved: _____
Report date: 10/14/92

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GEOTEST
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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - DIESEL

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 10/13/92
SAMPLE MATRIX: SOIL

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	10

	% ACCURACY	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	88	70 - 130%

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE	116	70 - 130%

	% REPRODUCIBILITY	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	76	70 - 130%

Checked and Approved: _____

Report Date: 10/16/92

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED : 10/13/92
DATE RECEIVED: 10/13/92
DATE ANALYZED: 10/13/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: BTEX

ANALYSIS OF ORGANIC AROMATICS
EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
D1-27	0.008	0.079	0.12	1.5
D1-30	0.043	64	53	450
T1-C-19	ND	0.006	ND	0.016

ND - Not detected below indicated limit of detection

Analyst: RG

Reviewed and Approved: _____

Report date: 10/16/92

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GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF BTEX BY GC/PID

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 10/13/92
SAMPLE MATRIX: SOIL

ELAP Certification #1225
Analyses prep method:5030
Analyses method:8020

METHOD BLANK	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
Benzene	ND	0.005
Toluene	ND	0.005
Ethylbenzene	ND	0.005
Total Xylenes	ND	0.015

LABORATORY CONTROL STANDARD	% ACCURACY	ACCEPTABLE RANGE %
Benzene	92	70-130%
Toluene	99	70-130%
Ethylbenzene	103	70-130%
Total Xylenes	101	70-130%

MATRIX SPIKE	% RECOVERY	ACCEPTABLE RANGE %
Benzene	95	70-130%
Toluene	95	70-130%
Ethylbenzene	99	70-130%
Total Xylenes	96	70-130%

MATRIX SPIKE DUPLICATE	% REPRODUCIBILITY	ACCEPTABLE RANGE %
Benzene	97	70-130%
Toluene	98	70-130%
Ethylbenzene	99	70-130%
Total Xylenes	99	70-130%

Checked and Approved: _____

Report Date: 10/16/92

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

DATE SAMPLED : 10/13/92
DATE RECEIVED: 10/13/92
DATE ANALYZED: 10/13/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: 418.1

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY INFRARED SPECTROMETRY EPA METHOD 418.1

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
SS31-5	ND	50
SS32-8	ND	50
SS20-5	73	50
SS20-6	ND	50

ND - Not detected below indicated limit of detection.

Analyst: RG

Reviewed and Approved: [signature]
Report date: 10/16/92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
EPA METHOD 418.1

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 10/13/92
SAMPLE MATRIX: SOIL

ELAP certification #1225
Analyses method: 418.1

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	50
	% ACCURACY	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	100	70 - 130%
	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE	104	70 - 130%
	% REPRODUCIBILITY	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	100	70 - 130%

Checked and Approved: [signature]

Report Date: 10/16/92

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

5609D

CHAIN-OF-CUSTODY RECORD

GEOTEST
PROJECT NO: _____
DATE 10/13/92 PAGE 1 OF 2

PROJECT NAME Unocal 4734
ADDRESS 9068 Grapevine Rd, Labec, Ct
SAMPLER'S SIGNATURE Blair Redfern
PRINTED NAME BLAIR REDFERN
CLIENT PROJECT NO. 92025
PROJECT MANAGER Steve Cucera

SAMPLE NO.	DATE	TIME	LOCATION	METHODS: TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS					hold	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
D1-27	10/13/92	1100		✓		✓								SO1	BASS	1	
SS31-5		1125	Southeast of Plop				✓										
SS32-8		1130	"				✓										
SS20-5		1200	North of station				✓										
D1-30		1215	North end Island #2	✓	✓	✓											
~~SS33-29~~ SS33-29 BC ~~SS39-29~~		1245	"										✓				
SS34-29		1250	"	(X)		(X)							✓				
SS35-29		1252	"	(X)		(X)							✓				
SS36-29		1255	"										✓				

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE Blair Redfern	10/13/92	SIGNATURE		SIGNATURE	
PRINTED NAME BLAIR REDFERN	TIME	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY GeoResearch	1700	COMPANY		COMPANY	
4 RECEIVED BY Ryan Gates	DATE 10/13/92	**5 RECEIVED BY**	DATE	**6 RECEIVED BY (LAB)** Shirley Munro	DATE 10/14/92
SIGNATURE RYAN GATES	TIME 1700	SIGNATURE	TIME	SIGNATURE SHIRLEY MUNRO	TIME 9:00
PRINTED NAME GEOTEST		PRINTED NAME		PRINTED NAME GEOTEST	
COMPANY		COMPANY		COMPANY	

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS

(X) Addl analyses requested via fax 10/16/92. (5609H)

GEOTEST
3960 Gilman Street
Long Beach, CA. 90815
Telephone: (310) 498-9515 (800) 624-5744

5609D

CHAIN-OF-CUSTODY RECORD

GEOTEST
PROJECT NO: _____
DATE 10/13/92 PAGE 2 OF 2

PROJECT NAME Unocal 4734
ADDRESS 9068 Grapevine Rd, Lebec, CA
SAMPLER'S SIGNATURE Blair Ledford
PRINTED NAME Blair Ledford
CLIENT PROJECT NO. 92075
PROJECT MANAGER Steve Cucca

SAMPLE NO.	DATE	TIME	LOCATION	METHODS: TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS						MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SS 20-6	10/13/92	1330	North of Site				✓							Soil	Brass	1	
T1-C-19	11	1410	Diesel UST Pit Center		✓	✓								↓	↓	↓	

1 RELINQUISHED BY: Blair Ledford	DATE 10/13/92	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE	SAMPLE CONDITIONS	
SIGNATURE: Blair Ledford		SIGNATURE		SIGNATURE		RECEIVED ON ICE	YES NO
PRINTED NAME: Geosearch	TIME 1700	PRINTED NAME	TIME	PRINTED NAME	TIME	CHAIN OF CUSTODY SEAL	YES NO
COMPANY		COMPANY		COMPANY		PROJECT COMMENTS	
4 RECEIVED BY: Ryan C. Gates	DATE 10/13/92	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB): Shirley Munoz	DATE 10/14/92		
SIGNATURE: RYAN GATES		SIGNATURE		SIGNATURE: SHIRLEY MUNOZ			
PRINTED NAME: GEOTEST	TIME 1700	PRINTED NAME	TIME	PRINTED NAME: GEOTEST	TIME 9:00		
COMPANY		COMPANY		COMPANY			

GEOTEST
An Environmental Monitoring and Testing Service
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LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

PROJECT NAME: UNOCAL #4734
9068 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED :	10/15/92
DATE RECEIVED:	10/15/92
DATE ANALYZED:	10/15/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-11
ANALYSES:	TPH-G

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
D1-37	260	1.0
SS37-35	ND	1.0
SS38-35	3500	1.0
SS39-35	ND	1.0
SS40-35	3300	1.0

ND - Not detected below indicated limit of detection.

Analyst: TF

Reviewed and Approved: [signature]
Report date: 10-20-92

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GEOTEST
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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - GASOLINE

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED:10/15/92
SAMPLE MATRIX:SOIL

ELAP Certification #1225
Analyses prep method:5030
Analyses method:DHS TPH-G

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	1.0

	ACCURACY %	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	110	70 - 130

	RECOVERY %	ACCEPTABLE RANGE %
MATRIX SPIKE	111	70 - 130

	REPRODUCIBILITY %	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	95	70 - 130

Checked and Approved: David Smarkeny

Report Date: 10-20-92

GEOTEST
An Environmental Monitoring and Testing Service

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L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

DATE SAMPLED :	10/15/92
DATE RECEIVED:	10/15/92
DATE ANALYZED:	10/19/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-11
ANALYSES:	TPH-D

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR DIESEL

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
D1-37	750*	10

* Note sample profile is similar to gasoline not diesel.

ND - Not detected below indicated limit of detection.

Analyst: PT

Reviewed and Approved: Paul Smankey
Report date: 10-20-92

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GEOTEST
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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - DIESEL

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 10/19/92
SAMPLE MATRIX: SOIL

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	10

	% ACCURACY	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	94	70 - 130%

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE	108	70 - 130%

	% REPRODUCIBILITY	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	91	70 - 130%

Checked and Approved: Paul Smethurst

Report Date: 10-20-92

GEOTEST
An Environmental Monitoring and Testing Service

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L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

PROJECT NAME: UNOCAL #4734
9068 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED : 10/15/92
DATE RECEIVED: 10/15/92
DATE ANALYZED: 10/15/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: BTEX

ANALYSIS OF ORGANIC AROMATICS
EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
D1-37	0.007	23	20	170
SS37-35	ND	ND	ND	ND
SS38-35	0.013	69	58	530
SS39-35	ND	0.005	ND	0.018
SS40-35	0.030	57	50	400

ND - Not detected below indicated limit of detection.

Analyst: TF

Reviewed and Approved: Dan Smithers
Report date: 10-20-92

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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF BTEX BY GC/PID

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 10/15/92
SAMPLE MATRIX: SOIL

ELAP Certification #1225
Analyses prep method:5030
Analyses method:8020

METHOD BLANK	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
Benzene	ND	0.005
Toluene	ND	0.005
Ethylbenzene	ND	0.005
Total Xylenes	ND	0.015

LABORATORY CONTROL STANDARD	% ACCURACY	ACCEPTABLE RANGE %
Benzene	103	70-130%
Toluene	100	70-130%
Ethylbenzene	105	70-130%
Total Xylenes	109	70-130%

MATRIX SPIKE	% RECOVERY	ACCEPTABLE RANGE %
Benzene	107	70-130%
Toluene	111	70-130%
Ethylbenzene	108	70-130%
Total Xylenes	113	70-130%

MATRIX SPIKE DUPLICATE	% REPRODUCIBILITY	ACCEPTABLE RANGE %
Benzene	98	70-130%
Toluene	98	70-130%
Ethylbenzene	98	70-130%
Total Xylenes	99	70-130%

Checked and Approved: David Duncheon

Report Date: 10-20-92

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
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CHAIN-OF-CUSTODY RECORD

GEOTEST
PROJECT NO: 92400-11
DATE 10/15/92 PAGE 1 OF 1

PROJECT NAME Wecal #4734
ADDRESS Grapevine 5068 and I-5 Lebec, CA
SAMPLER'S SIGNATURE Blair Rodgers
PRINTED NAME Blair Rodgers
CLIENT PROJECT NO. 92025
PROJECT MANAGER Steve Curtis

SAMPLE NO.	DATE	TIME	LOCATION	METHODS: TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS					MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
D1-35		0820	beneath Northend of Island #2										soil	bag	1	
D1-37		0840	"	✓	✓	✓							↓	↓	↓	
SS37-35		0925	"	✓		✓										
SS38-35		0945	"	✓		✓										
SS39-35		0950	"	✓		✓										
SS40-35		1000	"	✓		✓										

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE	SAMPLE CONDITIONS	
SIGNATURE Blair Rodgers	10/15/92	SIGNATURE		SIGNATURE		RECEIVED ON ICE	YES/NO
PRINTED NAME Blair Rodgers	TIME 1500	PRINTED NAME	TIME	PRINTED NAME	TIME	CHAIN OF CUSTODY SEAL	YES/NO
COMPANY Geotest		COMPANY		COMPANY		PROJECT COMMENTS	
4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE		
SIGNATURE Tony Fernandes	10/15/92	SIGNATURE		SIGNATURE Shirley Munoz	10/16/92		
PRINTED NAME Geotest	TIME 1500	PRINTED NAME	TIME	PRINTED NAME Geotest	TIME 8:00		
COMPANY		COMPANY		COMPANY			

ORIGINAL

GEOTEST
An Environmental Monitoring and Testing Service
Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

PROJECT NAME: UNOCAL #4734
9068 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED :	10/13/92
DATE RECEIVED:	10/13/92
DATE ADDITIONAL ANALYSES REQUESTED:	10/16/92
DATE ANALYZED:	10/19/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-11
ANALYSES:	BTEX

ANALYSIS OF ORGANIC AROMATICS
EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
SS34-29	ND	6.8	12	100
SS35-29	0.006	0.22	0.45	6.1

ND - Not detected below indicated limit of detection.

Analyst: SJ

Reviewed and Approved: [signature]
Report date: 10-20-92

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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF BTEX BY GC/PID

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 10/19/92
SAMPLE MATRIX: SOIL

ELAP Certification #1225
Analyses prep method:5030
Analyses method:8020

METHOD BLANK	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
Benzene	ND	0.005
Toluene	ND	0.005
Ethylbenzene	ND	0.005
Total Xylenes	ND	0.015

LABORATORY CONTROL STANDARD	% ACCURACY	ACCEPTABLE RANGE %
Benzene	94	70-130%
Toluene	89	70-130%
Ethylbenzene	95	70-130%
Total Xylenes	94	70-130%

MATRIX SPIKE	% RECOVERY	ACCEPTABLE RANGE %
Benzene	95	70-130%
Toluene	92	70-130%
Ethylbenzene	89	70-130%
Total Xylenes	90	70-130%

MATRIX SPIKE DUPLICATE	% REPRODUCIBILITY	ACCEPTABLE RANGE %
Benzene	97	70-130%
Toluene	98	70-130%
Ethylbenzene	99	70-130%
Total Xylenes	100	70-130%

Checked and Approved: [signature]

Report Date: 10-20-92

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

PROJECT NAME: UNOCAL #4734
9068 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED :	10/13/92
DATE RECEIVED:	10/13/92
DATE ADDITIONAL ANALYSES REQUESTED:	10/16/92
DATE ANALYZED:	10/19/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-11
ANALYSES:	TPH-G

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
SS34-29	1600	1.0
SS35-29	320	1.0

ND - Not detected below indicated limit of detection.

Analyst: SJ

Reviewed and Approved: [signature]
Report date: 10-20-92

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GEOTEST
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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - GASOLINE

GEOTEST CLIENT NAME: GEORESEARCH ELAP Certification #1225
GEOTEST PROJECT NO: 92400-11 Analyses prep method:5030
GEOTEST PROJECT NAME: UNOCAL #4734 Analyses method:DHS TPH-G
DATE ANALYZED:10/19/92
SAMPLE MATRIX:SOIL

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	1.0

	ACCURACY %	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	103	70 - 130

	RECOVERY %	ACCEPTABLE RANGE %
MATRIX SPIKE	97	70 - 130

	REPRODUCIBILITY %	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	103	70 - 130

Checked and Approved: Dad Smathers

Report Date: 10-20-92

GEOTEST
3960 Gilman Street
Long Beach, CA. 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST
PROJECT NO: _____
DATE 10/13/92 PAGE 1 OF 2

PROJECT NAME Unocal 4234
ADDRESS 7555 Florence Rd, Downey
SAMPLER'S SIGNATURE [signature]
PRINTED NAME Elaine Rothwell
CLIENT PROJECT NO. 2345
PROJECT MANAGER Steve Green

SAMPLE NO.	DATE	TIME	LOCATION	METHODS: TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS					Bailer	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
D1-27	10/13/92	1100		✓		✓								W/1	40ml	1	
SS31-5		1125	Southeast of Bldg				✓										
SS32-8		1130	"				✓										
SS20-5		1200	North of Station				✓										
D1-30		1215	North end of Island #2	✓	✓	✓											
SS33-29		1245	"										✓				
SS34-29		1250	"	⊗		⊗							✓				
SS35-29		1252	"	⊗		⊗							✓				
SS36-29		1255	"										✓				

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE [signature]	10/13/92	SIGNATURE		SIGNATURE	
PRINTED NAME Elaine Rothwell	TIME	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY Geotest	1200	COMPANY		COMPANY	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE [signature]	10/13/92	SIGNATURE		SIGNATURE	
PRINTED NAME Ryan Yates	TIME	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY [illegible]	1700	COMPANY		COMPANY	

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS

Western Atlas International
A Litton/Dresser Company

CORE LABORATORIES

RECEIVED
GEO RESEARCH
OCT 26 1992
PROJECT # 92075
SC BR

CORE LABORATORIES
A N A L Y T I C A L R E P O R T

Job Number: 921625
Prepared For:

GEOTEST
Barbara Altavilla
3960 Gilman Street
Long Beach, CA 90815

Roger E Olson
Signature

10/19/92
Date:

Roger E. Olson
Laboratory Manager

Beth Riley for
Signature

10/19/92
Date:

Nick C. Adolfo
QA/QC Coordinator

Core Laboratories
1250 Gene Autry Way
Anaheim, California 92805
(714) 937-1094

Califorinia Environmental Laboratory Accreditation Program Laboratory Number E774

Los Angeles County Sanitation District Laboratory Number 10146

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A Litton/Dresser Company

CORE LABORATORIES

LABORATORY TESTS RESULTS
10/19/92

JOB NUMBER: 921625 CUSTOMER: GEOTEST ATTN: Barbara Altavilla

SAMPLE NUMBER: 1 DATE RECEIVED: 10/13/92 TIME RECEIVED: 11:30 SAMPLE DATE: 10/12/92 SAMPLE TIME: 00:00
PROJECT: 92400-11 SAMPLE: WD-C-10 REM: 1, 4OZ-GLS-SOIL

SAMPLE NUMBER: 2 DATE RECEIVED: 10/13/92 TIME RECEIVED: 11:30 SAMPLE DATE: 10/12/92 SAMPLE TIME: 00:00
PROJECT: 92400-11 SAMPLE: WD-C-14 REM: 1, 4OZ-GLS-SOIL

TEST DESCRIPTION	SAMPLE 1	SAMPLE 2					UNITS OF MEASURE
Total Organic Halogens	<10	<10					mg/kg

1250 Gene Autry Way
Anaheim, CA 92805
(714) 937-1094

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CORE LABORATORIES

QUALITY ASSURANCE REPORT
10/19/92

JOB NUMBER: 921625 CUSTOMER: GEOTEST ATTN: Barbara Altavilla

ANALYSIS				DUPLICATES		REFERENCE STANDARDS		MATRIX SPIKES		
ANALYSIS TYPE	ANALYSIS SUB-TYPE	ANALYSIS I.D.	ANALYZED VALUE (A)	DUPLICATE VALUE (B)	RPD or (|A-B|)	TRUE VALUE	PERCENT RECOVERY	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY
PARAMETER:Total Organic Halogens				DATE/TIME ANALYZED:10/16/92 11:36						QC BATCH NUMBER:923960
REPORTING LIMIT/DF: 10 UNITS:mg/kg				METHOD REFERENCE :EPA 9020 (modified)						TECHNICIAN:VB
BLANK	METHOD	101692	<10							
STANDARD	LCS	REFERENCE	480			500	96			
SPIKE	MATRIX	921625-2	460					0	500	92
DUPLICATE	MATRIX	921625-2	<10	<10	NC					

1250 Gene Autry Way
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(714) 937-1094

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CORE LABORATORIES

QUALITY ASSURANCE FOOTER

All methods are taken from one of the following references:

(1) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, November 1990
(2) Standard Methods for the Examination of Water and Wastewater, 17th Edition, 1989
(3) EPA 600/4-79-020, Methods of Chemical Analysis for Waters and Wastes, March 1983
(4) Federal Register, Friday, October 26, 1984 (40 CFR Part 136)
(5) American Society for Testing and Materials, Volumes 5.01, 5.02, 5.03, 1992

All methods of chemical analysis have a statistical uncertainty associated with the results. Unless otherwise indicated, the data in this report is within the limits of uncertainty as specified in the referenced method. Quality control acceptance criteria are based either on actual laboratory performance or on limits specified in the referenced method.

Notes: The time of analysis indicated on the QA report may not reflect the actual time of analysis for QC samples.
All data reported on an "as received" basis unless otherwise indicated.
Data reported in the QA report may lower than sample data due to dilution of samples into the calibration range of the analysis.
Sample concentrations for solid samples are calculated on an as received basis.

FLAGS, FOOTNOTES, AND ABBREVIATIONS

NC = Not calculable due to values lower than the detection limit.
N.I. = Not Ignitable
S.I. = Sustains Ignition
RPD = Relative Percent Difference
(a) = Surrogate recoveries were outside acceptable ranges due to matrix effects.
(b) = Surrogate recoveries were not calculated due to dilution of the sample below the detectable range for the surrogate.
(c) = Matrix spike recoveries were outside acceptable ranges due to matrix effects.
(d) = Relative Percent Difference (RPD) for duplicate analysis outside acceptance limits due to actual differences in the sample matrix.
(e) = The limit listed for flammability indicates the upper limit for the test. Samples are not tested at temperatures above 140 Fahrenheit since only samples which will sustain ignition at temperatures below 140 are considered flammable.
(f) = Results for this hydrocarbon range did not match a typical hydrocarbon pattern. Results were quantified using a diesel standard, however, the hydrocarbon pattern did not match a diesel pattern.
(g) = Results for this hydrocarbon range did not match a typical hydrocarbon pattern. Results were quantified using a gasoline standard, however, the hydrocarbon pattern did not match a gasoline pattern.

1250 Gene Autry Way
Anaheim, CA 92805
(714) 937-1094

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IV. CORE LABS
921625

GEOTEST
3960 Gilman Street
Long Beach, CA. 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST PROJECT NO: 92400-11
DATE 10-12-92 PAGE 1 OF 1

PROJECT NAME 92400-11
ADDRESS
SAMPLER'S SIGNATURE
PRINTED NAME
CLIENT PROJECT NO.
PROJECT MANAGER

SAMPLE NO.	DATE	TIME	LOCATION	METHODS: TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	TOX					MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
WD-C-10									X					soil	125ml Q-Jar	1	
WD-C-14									X					soil	125ml Q-Jar	1	

1 RELINQUISHED BY: Lorel Rojo	DATE: 10/12/92	2 RELINQUISHED BY: Pete Holley	DATE: 10/13
SIGNATURE: Lorel Rojo	TIME: 4:45 p.m.	SIGNATURE: P. Holley	TIME: 0900
PRINTED NAME: Geotest		PRINTED NAME: Core Labs	
COMPANY:		COMPANY:	
4 RECEIVED BY: Pete Holley	DATE: 10/12	5 RECEIVED BY: Ernie Blevins	DATE: 10/13/92
SIGNATURE: P. Holley	TIME: 1445	SIGNATURE: Ernie Blevins	TIME: 1000
PRINTED NAME: CoreLabs		PRINTED NAME: ERNIE BLEVINS	
COMPANY:		COMPANY: CORE LABS	

3 RELINQUISHED BY: Ernie Blevins	DATE: 10/13/92	SAMPLE CONDITIONS
SIGNATURE: Ernie Blevins	TIME: 1130	RECEIVED ON ICE YES/NO
PRINTED NAME: ERNIE BLEVINS		CHAIN OF CUSTODY SEAL YES/NO
COMPANY: CORE LABS		PROJECT COMMENTS
6 RECEIVED BY (LAB):	DATE: 10/13/92	
SIGNATURE:	TIME: 1130	
PRINTED NAME: ERRIN Simkins		
COMPANY:		

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

PROJECT NAME: UNOCAL #4734
9068 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED : 10/15/92
DATE RECEIVED: 10/16/92
DATE ANALYZED: 10/19/92
10/20/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: TPH-G

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
COMPOSITE (SP-31, SP-32, SP-33)	400	1.0
COMPOSITE (SP-34, SP-35)	160	1.0
COMPOSITE (SP-36, SP-37)	31	1.0
COMPOSITE (SP-38, SP-39)	5.6	1.0
COMPOSITE (SP-40, SP-41)	4.2	1.0
COMPOSITE (SP-42, SP-43)	23	1.0

ND - Not detected below indicated limit of detection.

Analyst: DR, PT, RV, SJ

Reviewed and Approved: David Duncan
Report date: 10-22-92

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LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

PROJECT NAME: UNOCAL #4734
9068 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED :	10/15/92
DATE RECEIVED:	10/16/92
DATE ANALYZED:	10/20/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-11
ANALYSES:	TPH-G

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
COMPOSITE (SP-44, SP-45)	24	1.0
COMPOSITE (SP-46, SP-47)	4.4	1.0

ND - Not detected below indicated limit of detection.

Analyst: RV, SJ, PT

Reviewed and Approved: [signature]
Report date: 10-22-92

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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - GASOLINE

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED:10/20/92
SAMPLE MATRIX:SOIL

ELAP Certification #1225
Analyses prep method:5030
Analyses method:DHS TPH-G

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	1.0

	ACCURACY %	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	104	70 - 130

	RECOVERY %	ACCEPTABLE RANGE %
MATRIX SPIKE	106	70 - 130

	REPRODUCIBILITY %	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	101	70 - 130

Checked and Approved: [signature]

Report Date: 10-22-92

GEOTEST
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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - GASOLINE

GEOTEST CLIENT NAME: GEORESEARCH ELAP Certification #1225
GEOTEST PROJECT NO: 92400-11 Analyses prep method:5030
GEOTEST PROJECT NAME: UNOCAL #4734 Analyses method:DHS TPH-G
DATE ANALYZED:10/19/92
SAMPLE MATRIX:SOIL

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	1.0

	ACCURACY %	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	100	70 - 130

	RECOVERY %	ACCEPTABLE RANGE %
MATRIX SPIKE	99	70 - 130

	REPRODUCIBILITY %	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	101	70 - 130

Checked and Approved: [signature]

Report Date: 10-22-92

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LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

PROJECT NAME: UNOCAL #4734
9068 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED : 10/15/92
DATE RECEIVED: 10/16/92
DATE ANALYZED: 10/19/92
10/20/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: BTEX

ANALYSIS OF ORGANIC AROMATICS
EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
COMPOSITE (SP-31, SP-32, SP-33)	ND	1.7	2.8	34
COMPOSITE (SP-34, SP-35)	ND	ND	0.016	1.5
COMPOSITE (SP-36, SP-37)	ND	ND	0.009	0.17
COMPOSITE (SP-38, SP-39)	ND	ND	ND	ND
COMPOSITE (SP-40, SP-41)	ND	ND	ND	ND
COMPOSITE (SP-42, SP-43)	ND	ND	ND	0.068

ND - Not detected below indicated limit of detection.

Analyst: DR, PT, RV, SJ

Reviewed and Approved: [signature]
Report date: 10-22-92

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ORIGINAL

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LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

PROJECT NAME: UNOCAL #4734
9068 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED : 10/15/92
DATE RECEIVED: 10/16/92
DATE ANALYZED: 10/20/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: BTEX

ANALYSIS OF ORGANIC AROMATICS
EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
COMPOSITE (SP-44, SP-45)	ND	ND	0.009	0.032
COMPOSITE (SP-46, SP-47)	ND	ND	ND	ND

ND - Not detected below indicated limit of detection.

Analyst: RV, SJ, PT

Reviewed and Approved: [signature]
Report date: 10-22-92

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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF BTEX BY GC/PID

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 10/20/92
SAMPLE MATRIX: SOIL

ELAP Certification #1225
Analyses prep method:5030
Analyses method:8020

METHOD BLANK	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
Benzene	ND	0.005
Toluene	ND	0.005
Ethylbenzene	ND	0.005
Total Xylenes	ND	0.015

LABORATORY CONTROL STANDARD	% ACCURACY	ACCEPTABLE RANGE %
Benzene	91	70-130%
Toluene	84	70-130%
Ethylbenzene	90	70-130%
Total Xylenes	89	70-130%

MATRIX SPIKE	% RECOVERY	ACCEPTABLE RANGE %
Benzene	85	70-130%
Toluene	96	70-130%
Ethylbenzene	97	70-130%
Total Xylenes	96	70-130%

MATRIX SPIKE DUPLICATE	% REPRODUCIBILITY	ACCEPTABLE RANGE %
Benzene	105	70-130%
Toluene	103	70-130%
Ethylbenzene	100	70-130%
Total Xylenes	101	70-130%

Checked and Approved: [signature]

Report Date: 10-22-92

GEOTEST
An Environmental Monitoring and Testing Service

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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF BTEX BY GC/PID

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 10/19/92
SAMPLE MATRIX: SOIL

ELAP Certification #1225
Analyses prep method:5030
Analyses method:8020

METHOD BLANK	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
Benzene	ND	0.005
Toluene	ND	0.005
Ethylbenzene	ND	0.005
Total Xylenes	ND	0.015

LABORATORY CONTROL STANDARD	% ACCURACY	ACCEPTABLE RANGE %
Benzene	100	70-130%
Toluene	91	70-130%
Ethylbenzene	96	70-130%
Total Xylenes	96	70-130%

MATRIX SPIKE	% RECOVERY	ACCEPTABLE RANGE %
Benzene	96	70-130%
Toluene	98	70-130%
Ethylbenzene	97	70-130%
Total Xylenes	98	70-130%

MATRIX SPIKE DUPLICATE	% REPRODUCIBILITY	ACCEPTABLE RANGE %
Benzene	101	70-130%
Toluene	101	70-130%
Ethylbenzene	102	70-130%
Total Xylenes	102	70-130%

Checked and Approved: Dan Summers

Report Date: 10-22-92

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST PROJECT NO: 92400-11
DATE 10/15/92 PAGE 1 OF 4

PROJECT NAME Unocal 4734
ADDRESS 9068 Grapevine Road
SAMPLER'S SIGNATURE Blair Redfearn
PRINTED NAME Blair Redfearn
CLIENT PROJECT NO. 92075
PROJECT MANAGER Steve Curra

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS						MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SP-31	10/15/92	1230	Stockpile west of dispensers	X		X								soil	brass	1	
SP-32		1232		X		X											
SP-33		1233		X		X											
SP-34		1234		X		X											
SP-35		1240		X		X											
SP-36		1242		X		X											
SP-37		1245		X		X											

METHODS

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE Blair Redfearn	10/15/92	SIGNATURE		SIGNATURE	
PRINTED NAME Blair Redfearn	TIME 1800	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY GeoResearch		COMPANY		COMPANY	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE	10/15/92	SIGNATURE		SIGNATURE Shirley Munoz	10/16/92
PRINTED NAME	TIME 1800	PRINTED NAME	TIME	PRINTED NAME Shirley Munoz	TIME 11:30
COMPANY Greyhound Pkg Express		COMPANY		COMPANY GEOTEST	

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS
5635

GEOTEST
3960 Gilman Street
Long Beach, CA. 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST PROJECT NO: 92400.11
DATE 10/15/92 PAGE 2 OF 4

PROJECT NAME: Unocal 4734
ADDRESS: 9068 Grapevine Rd, Lebec, CA
SAMPLER'S SIGNATURE: Blair Redfearn
PRINTED NAME: Blair Redfearn
CLIENT PROJECT NO.: 92075
PROJECT MANAGER: Steve Curra

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS						MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SP-38	10/15/92	1247	stockpiled soil from disposal area NE of pit	X		X								Soil	brass	1	
SP-39	↓	1250	"	X		X								↓	↓	↓	
SP-40		1252	"	X		X											
SP-41		1300	"	X		X											
SP-42		1303	"	X		X											
SP-43		1305	"	X		X											

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE: Blair Redfearn	10/15/92	SIGNATURE		SIGNATURE	
PRINTED NAME: Blair Redfearn	TIME	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY: Geo Research	1800	COMPANY		COMPANY	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE	10/15/92	SIGNATURE		SIGNATURE: Shirley Munoz	10/16/92
PRINTED NAME	TIME	PRINTED NAME	TIME	PRINTED NAME: Shirley Munoz	TIME
COMPANY: Greenhound Pkg Exp	1800	COMPANY		COMPANY: GEOTEST	11:30

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS
5635

GEOTEST
3960 Gilman Street
Long Beach, CA. 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST PROJECT NO: 92100-11
DATE 10/15/92 PAGE 3 OF 4

PROJECT NAME: Gnoss 4734
ADDRESS: 9068 Graefenine Rd, Lebec, CA
SAMPLER'S SIGNATURE: Blair Ledder
PRINTED NAME: Blair Ledder
CLIENT PROJECT NO.: 92025
PROJECT MANAGER: Steve Curra

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SP-44	10/15/92	1307	~~South of former BR Station and Tejon Ranch~~	X		X			Soil	brass	1	
SP-45		1310	Stockpile soil from diesel area	X		X						
SP-46		1313	"	X		X						
SP-47		1315	"	X		X						
SP-48		1320	Stockpile soil north of former station				X					
SP-49		1322	"				X					
SP-50		1325	"				X					
SP-51		1328	"				X					
~~X~~												

1 RELINQUISHED BY
SIGNATURE: Blair Ledder
PRINTED NAME: Blair Ledder
COMPANY: Geotech
DATE: 10/15/92
TIME: 1800

2 RELINQUISHED BY
SIGNATURE:
PRINTED NAME:
COMPANY:
DATE:
TIME:

3 RELINQUISHED BY
SIGNATURE:
PRINTED NAME:
COMPANY:
DATE:
TIME:

4 RECEIVED BY
SIGNATURE:
PRINTED NAME:
COMPANY: Pacific Bell
DATE: 10/16/92
TIME: 1800

5 RECEIVED BY
SIGNATURE:
PRINTED NAME:
COMPANY:
DATE:
TIME:

6 RECEIVED BY (LAB)
SIGNATURE: Shirley Munoz
PRINTED NAME: SHIRLEY MUNOZ
COMPANY: GEOTEST
DATE: 10/16/92
TIME: 1130

SAMPLE CONDITIONS
RECEIVED ON ICE (YES) NO
CHAIN OF CUSTODY SEAL (YES) NO

PROJECT COMMENTS

418.1 detection Limits - 50 mg/kg
5635

GEOTEST
3960 Gilman Street
Long Beach, CA. 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST PROJECT NO: 924000-11
DATE 10/15/92 PAGE 4 OF 4

PROJECT NAME Circle K 4734
ADDRESS 9068 Glenoaks Blvd, Sunland, CA
SAMPLER'S SIGNATURE Blair Redferen
PRINTED NAME BLAIR REDFERN
CLIENT PROJECT NO. 92025
PROJECT MANAGER Steve Cullen

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SP-52	10/15/92	1330	North of former Station on Tujunga Ave				X		soil	brass	1	
SP-53	"	1335					X		"	"	"	

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE Blair Redferen	10/15/92	SIGNATURE		SIGNATURE	
PRINTED NAME BLAIR REDFERN	TIME	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY Georesearch	1800	COMPANY		COMPANY	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE	10/15/92	SIGNATURE		SIGNATURE Shirley Munoz	10/16/92
PRINTED NAME	TIME	PRINTED NAME	TIME	PRINTED NAME SHIRLEY MUNOZ	TIME
COMPANY Geoscience Laboratories	1800	COMPANY		COMPANY GEOTEST	11:30

SAMPLE CONDITIONS
RECEIVED ON ICE (YES) NO
CHAIN OF CUSTODY SEAL (YES) NO

PROJECT COMMENTS

Detection limit for 418.1 - 50 mg/kg
5635

GEOTEST
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L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

DATE SAMPLED :	10/13/92
DATE RECEIVED:	10/16/92
DATE ADDITIONAL ANALYSES REQUESTED:	10/16/92
DATE ANALYZED:	10/16/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-11
ANALYSES:	418.1

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY INFRARED SPECTROMETRY
EPA METHOD 418.1

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
COMPOSITE (SP-20, SP-21, SP-22)	120	50

ND - Not detected below indicated limit of detection.

Analyst: RF

Reviewed and Approved: Dan Simmons
Report date: 10-22-92

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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
EPA METHOD 418.1

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 10/16/92
SAMPLE MATRIX: SOIL

ELAP certification #1225
Analyses method: 418.1

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	50

	% ACCURACY	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	106	70 - 130%

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE	106	70 - 130%

	% REPRODUCIBILITY	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	109	70 - 130%

Checked and Approved: Dan Swanberg

Report Date: 10-22-92

GEOTEST
An Environmental Monitoring and Testing Service

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L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

DATE SAMPLED :	10/13/92
DATE RECEIVED:	10/15/92
DATE ADDITIONAL ANALYSES REQUESTED:	10/16/92
DATE ANALYZED:	10/19/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-11
ANALYSES:	8260

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF VOLATILE ORGANICS 8010 COMPOUNDS BY GAS CHROMATOGRAPHY/ MASS SPECTROMETRY EPA METHOD 8260

SAMPLE ID: COMPOSITE
(SP-20, SP-21, SP-22)
None Detected

METHOD BLANK
None Detected

LCS ACCURACY %

CM	109
VC	87
11DCE	88
11DCA	94
CF	115
12DCP	111
Tol	78
BF	125
CB	104
EBen	106
112TCA	111

Analyst: FH

Reviewed and Approved: [signature]
Report date: 10-22-92

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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF VOLATILE ORGANICS 8010 COMPOUNDS BY GC/MS
EPA METHOD 8260

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED:10/19/92
SAMPLE MATRIX:SOIL

COMPOUND	MATRIX SPIKE % RECOVERY	MATRIX SPIKE DUPLICATE % REPRODUCIBILITY
1,1-Dichloroethene	70	115
Trichloroethene	102	118
Benzene	99	100
Toluene	76	113
Chlorobenzene	106	101

Checked and Approved: Dan Duncan

Report Date: 10-22-92

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

ANALYSIS OF VOLATILE ORGANICS 8010 COMPOUNDS BY GC/MS
EPA METHOD 8260

COMPOUND	ABBREVIATION	DETECTION LIMIT (ug/kg)
Chloromethane	CM	5.0
Vinyl Chloride	VC	5.0
Bromomethane	BM	5.0
Chloroethane	CE	5.0
Trifluorochloromethane	TFCM	5.0
1,1-Dichloroethene	11DCE	5.0
Methylene Chloride	MC	10
trans-1,2-Dichloroethene	t12DCE	5.0
1,1-Dichloroethane	11DCA	5.0
cis-1,2-Dichloroethene	C12DCE	5.0
Chloroform	CF	5.0
1,1,1-Trichloroethane	11TCA	5.0
Carbon Tetrachloride	CT	5.0
1,2-Dichloroethane	12DCA	5.0
Trichloroethene	TCE	5.0
1,2-Dichloropropane	12DCP	5.0
Bromodichloromethane	BDCM	5.0
cis-1,3-dichloropropene	c13DCP	5.0
Benzene	BENZ	5.0
trans-1,3-dichloropropene	t13DCPe	5.0
Toluene	TOL	5.0
1,1,2-Trichloroethane	112TCA	5.0
Tetrachloroethene	PCE	5.0
Dibromochloromethane	DBCM	5.0
Chlorobenzene	CB	5.0
Ethylbenze	EBENZ	5.0
M & P Xylenes	MPXYL	5.0
O - Xylenes	OXYL	5.0
Bromoform	BF	5.0
1,1,2,2-Tetrachloroethane	112PCA	5.0
1,3-Dichlorobenzene	13DCB	5.0
1,4-Dichlorobenzene	14DCB	5.0
1,2-Dichlorobenzene	12DCB	5.0

GEOTEST
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L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

DATE SAMPLED : 10/15/92
DATE RECEIVED: 10/16/92
DATE ANALYZED: 10/19/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: 418.1

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY INFRARED SPECTROMETRY EPA METHOD 418.1

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
COMPOSITE (SP-48, SP-49)	220	50
COMPOSITE (SP-50, SP-51)	190	50
COMPOSITE (SP-52, SP-53)	410	50

ND - Not detected below indicated limit of detection.

Analyst: GP

Reviewed and Approved: [signature]
Report date: 10-22-92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
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Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
EPA METHOD 418.1

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 10/19/92
SAMPLE MATRIX: SOIL

ELAP certification #1225
Analyses method: 418.1

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	50

	% ACCURACY	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	113	70 - 130%

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE	113	70 - 130%

	% REPRODUCIBILITY	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	100	70 - 130%

Checked and Approved: _____

Report Date: _____

GEOTEST
An Environmental Monitoring and Testing Service

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LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

PROJECT NAME: UNOCAL #4734
9068 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED :	10/12,13/92
DATE RECEIVED:	10/16/92
DATE ANALYZED:	10/20/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-11
ANALYSES:	TPH-G

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
COMPOSITE (SP-1, SP-2, SP-3, SP-4)	4.2	1.0
COMPOSITE (SP-5, SP-6, SP-7)	71	1.0
COMPOSITE (SP-8, SP-9, SP-10, SP-11 SP-12, SP-13)	6.9	1.0
COMPOSITE (SP-14, SP-15, SP-16)	ND	1.0

ND - Not detected below indicated limit of detection.

Analyst: RV, PT

Reviewed and Approved: David Smachenx
Report date: 10-22-92

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GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - GASOLINE

GEOTEST CLIENT NAME: GEORESEARCH ELAP Certification #1225
GEOTEST PROJECT NO: 92400-11 Analyses prep method:5030
GEOTEST PROJECT NAME: UNOCAL #4734 Analyses method:DHS TPH-G
DATE ANALYZED:10/20/92
SAMPLE MATRIX:SOIL

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	1.0

	ACCURACY %	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	104	70 - 130

	RECOVERY %	ACCEPTABLE RANGE %
MATRIX SPIKE	106	70 - 130

	REPRODUCIBILITY %	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	101	70 - 130

Checked and Approved: Dan Swanberg

Report Date: 10-22-92

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

PROJECT NAME: UNOCAL #4734
9068 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED : 10/12,13/92
DATE RECEIVED: 10/16/92
DATE ANALYZED: 10/20/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: BTEX

ANALYSIS OF ORGANIC AROMATICS
EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
COMPOSITE (SP-1, SP-2, SP-3, SP-4)	ND	ND	ND	0.016
COMPOSITE (SP-5, SP-6, SP-7)	ND	ND	0.006	0.92
COMPOSITE (SP-8, SP-9, SP-10, SP-11, SP-12, SP-13)	ND	ND	ND	0.037
COMPOSITE (SP-14, SP-15, SP-16)	ND	ND	ND	ND
COMPOSITE (SP-23, SP-24, SP-25)	ND	ND	ND	ND
COMPOSITE (SP-26, 2P-27, SP-28, SP-29, SP-30)	ND	ND	ND	ND

ND - Not detected below indicated limit of detection.

Analyst: RV, PT

Reviewed and Approved: David Spreafico
Report date: 10-22-92

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ORIGINAL

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF BTEX BY GC/PID

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 10/20/92
SAMPLE MATRIX: SOIL

ELAP Certification #1225
Analyses prep method:5030
Analyses method:8020

METHOD BLANK	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
Benzene	ND	0.005
Toluene	ND	0.005
Ethylbenzene	ND	0.005
Total Xylenes	ND	0.015

LABORATORY CONTROL STANDARD	% ACCURACY	ACCEPTABLE RANGE %
Benzene	91	70-130%
Toluene	84	70-130%
Ethylbenzene	90	70-130%
Total Xylenes	84	70-130%

MATRIX SPIKE	% RECOVERY	ACCEPTABLE RANGE %
Benzene	85	70-130%
Toluene	96	70-130%
Ethylbenzene	97	70-130%
Total Xylenes	96	70-130%

MATRIX SPIKE DUPLICATE	% REPRODUCIBILITY	ACCEPTABLE RANGE %
Benzene	105	70-130%
Toluene	103	70-130%
Ethylbenzene	100	70-130%
Total Xylenes	101	70-130%

Checked and Approved: [signature]

Report Date: 10-22-92

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

DATE SAMPLED :	10/13/92
DATE RECEIVED:	10/16/92
DATE ANALYZED:	10/19/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-11
ANALYSES:	TPH-D

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY CAL/DOHS TPH FOR DIESEL

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
COMPOSITE (SP-23, SP-24, SP-25)	1100	10
COMPOSITE (SP-26, SP-27, SP-28 SP-29, SP-30)	1000	10

ND - Not detected below indicated limit of detection.

Analyst: PT

Reviewed and Approved: [signature]
Report date: 10-22-92

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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - DIESEL

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 10/19/92
SAMPLE MATRIX: SOIL

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	10

	% ACCURACY	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	94	70 - 130%

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE	108	70 - 130%

	% REPRODUCIBILITY	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	91	70 - 130%

Checked and Approved: David Duncan

Report Date: 10-22-92

GEOTEST
An Environmental Monitoring and Testing Service
Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

DATE SAMPLED :	10/13/92
DATE RECEIVED:	10/16/92
DATE ANALYZED:	10/19/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-11
ANALYSES:	418.1

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY INFRARED SPECTROMETRY
EPA METHOD 418.1

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
COMPOSITE (SP-17, SP-18, SP-19)	1300	50

ND - Not detected below indicated limit of detection.

Analyst: GP

Reviewed and Approved: [signature]
Report date: 10-22-92

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GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
EPA METHOD 418.1

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 10/19/92
SAMPLE MATRIX: SOIL

ELAP certification #1225
Analyses method: 418.1

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	50

	% ACCURACY	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	113	70 - 130%

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE	113	70 - 130%

	% REPRODUCIBILITY	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	100	70 - 130%

Checked and Approved: David Duncan

Report Date: 10-22-92

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST PROJECT NO: 92400-11
DATE 10/14/92 PAGE 1 OF 5

PROJECT NAME Unocal 4734
ADDRESS 9068 Graperiver Rd., Lodi, CA
SAMPLER'S SIGNATURE Blair Redfearn
PRINTED NAME Blair Redfearn
CLIENT PROJECT NO. 92025
PROJECT MANAGER Steve Cucca

SAMPLE NO.	DATE	TIME	LOCATION	METHODS: TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SP-1	10/12/92	1503	bottom of GAS USTS	X		X			Soil	Brass	1	
SP-2	"	1512	"	X		X						
SP-3	"	1520	"	X		X						
SP-4	10/13/92	0930	"	X		X						
SP-5	10/12/92	1533 1540 BR	"	X		X						
SP-6	"	1552	"	X		X						
SP-7	"	1555	"	X		X						
X												

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE Blair Redfearn	10/13/92	SIGNATURE		SIGNATURE	
PRINTED NAME Blair Redfearn	TIME	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY GeoResearch	1700	COMPANY		COMPANY	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE	10/14/92	SIGNATURE		SIGNATURE Shirley Minor	10/16/92
PRINTED NAME	TIME	PRINTED NAME	TIME	PRINTED NAME Geotest	TIME
COMPANY Overland Pkg Express	1700	COMPANY		COMPANY	1:30

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS
5634

GEOTEST
3960 Gilman Street
Long Beach, CA. 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST PROJECT NO: 92400-11
DATE _____ PAGE 3 OF 5

PROJECT NAME UNOCAL 4734
ADDRESS 9068 Grapevine Rd, Lebec, CA
SAMPLER'S SIGNATURE Blair Redgeon
PRINTED NAME BLAIR REDGEON
CLIENT PROJECT NO. 92025
PROJECT MANAGER Steve CURRA

SAMPLE NO.	DATE	TIME	LOCATION	METHODS: TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS					MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SP-8	10/12/92	1614	Top of GAS USTS										Soil	brass	1	
SP-9		1621	"													
SP-10		1630	"													
SP-11	10/12/92	1635	"													
SP-12	10/13/92	1000	"													
SP-13	"	1005	"													
SP-14	"	1010	"													
SP-15	10/12/92	1645	"													
SP-16	"	1655	"													

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE Blair Redgeon	10/13/92	SIGNATURE		SIGNATURE	
PRINTED NAME BLAIR REDGEON	TIME	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY GeoResearch	1700	COMPANY		COMPANY	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE	10/14/92	SIGNATURE		SIGNATURE Shirley Munos	10/10/92
PRINTED NAME	TIME	PRINTED NAME	TIME	PRINTED NAME SHIRLEY MUNOS	TIME
COMPANY Garland PK Express	1700	COMPANY		COMPANY GEOTEST	11:30

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS
5634

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST PROJECT NO: 92400-11
DATE 10/14/92 PAGE 3 OF 5

PROJECT NAME UNOCAL 4734
ADDRESS 9068 Graceview Rd, Lakec, CA
SAMPLER'S SIGNATURE Blair Redfearn
PRINTED NAME BLAIR REDFEARN
CLIENT PROJECT NO. 92025
PROJECT MANAGER Steve Curra

SAMPLE NO.	DATE	TIME	LOCATION	METHODS: TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SP-17	10/13/92	1025	Waste-Oil SP				X		Soil	Brass	1	
SP-18	"	1035	"				X				1	
SP-19	"	1045	"				X				1	

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE: Blair Redfearn	10/14/92	SIGNATURE		SIGNATURE	
PRINTED NAME: BLAIR REDFEARN	TIME: 1700	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY: Geotest		COMPANY		COMPANY	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE	10/14/92	SIGNATURE		SIGNATURE: Shirley Mundo	10/16/92
PRINTED NAME	TIME: 1700	PRINTED NAME	TIME	PRINTED NAME: SHIRLEY MUNDO	TIME: 11:30
COMPANY: Greyhound Pkg Express		COMPANY		COMPANY: GEOTEST	

SAMPLE CONDITIONS
RECEIVED ON ICE (YES/NO)
CHAIN OF CUSTODY SEAL (YES/NO)

PROJECT COMMENTS
5634

GEOTEST
3960 Gilman Street
Long Beach, CA. 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST PROJECT NO: 92100.11
DATE 10/14/92 PAGE 4 OF 5

PROJECT NAME Unocal 4234
ADDRESS 9068 Graafwijk Rd, Lebec, CA
SAMPLER'S SIGNATURE Blair Ketterer
PRINTED NAME Blair Ketterer
CLIENT PROJECT NO. 9275
PROJECT MANAGER Steve Curtis

SAMPLE NO.	DATE	TIME	LOCATION	METHODS: TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS				HOLD	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SP-20	10/13/92	1615	Radiator Area Stockpile									Y	Soil	brass	1	
SP-21		1620	"									X				
SP-22		1625	"									X				
SP-23		1626	Diesel Stockpile		X	X										
SP-24		1627	"													
SP-25		1628	"													

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE Blair Ketterer	10/14/92	SIGNATURE		SIGNATURE	
PRINTED NAME Blair Ketterer	TIME	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY Geo Research	1700	COMPANY		COMPANY	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE	10/14/92	SIGNATURE		SIGNATURE Shirley Munoz	10/14/92
PRINTED NAME	TIME	PRINTED NAME	TIME	PRINTED NAME GEOTEST	TIME 11:30
COMPANY Federal Express	1700	COMPANY		COMPANY	

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS
5634

GEOTEST
3960 Gilman Street
Long Beach, CA. 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST PROJECT NO: 92400-11
DATE 10/14/92 PAGE 5 OF 5

PROJECT NAME Unocal 4734
ADDRESS 9068 Grapevine Rd, Lebec, CA
SAMPLER'S SIGNATURE Blair Redfern
PRINTED NAME BLAIR REDFERN
CLIENT PROJECT NO. 9-2025
PROJECT MANAGER Steve Cucea

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SP-26	10/13/92	1640	Diesel/Stockpile		X	X			Soil	Brass	1	
SP-27		1641	"		X	X			↓	↓	↓	
SP-28		1642	"		X	X						
SP-29		1643	"		X	X						
SP-30		1644	"		X	X						

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE Blair Redfern	10/14/92	SIGNATURE		SIGNATURE	
PRINTED NAME BLAIR REDFERN	TIME 1700	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY Geotech		COMPANY		COMPANY	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE	10/14/92	SIGNATURE		SIGNATURE Shirley Munoz	10/16/92
PRINTED NAME	TIME 1700	PRINTED NAME	TIME	PRINTED NAME SHIRLEY MUNOZ	TIME 11:30
COMPANY Overland Pkg Express		COMPANY		COMPANY GEOTEST	

SAMPLE CONDITIONS
RECEIVED ON ICE (YES/NO)
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS
5634

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST
PROJECT NO:
DATE 10/14/92 PAGE 4 OF 5

PROJECT NAME Unocal 4734
ADDRESS 9068 Grapevine Rd, Lebec, CA
SAMPLER'S SIGNATURE Blair Redfern
PRINTED NAME Blair Redfern
CLIENT PROJECT NO. 92075
PROJECT MANAGER Steve Curra

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	8010				HOLD	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SP-20	10/13/92	1615	Radiator Area Stockpile				X		X				Y	Soil	[illegible]	1	Composite 10/16/92
SP-21		1620	"				X		X				X				
SP-22		1625	"				X		X				X				
SP-23		1626	Diesel Stockpile		X	X											
SP-24		1627	"		X	X											
SP-25		1628	"		X	X											

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE Blair Redfern	10/14/92	SIGNATURE		SIGNATURE	
PRINTED NAME Blair Redfern	TIME	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY Geo Research	1700	COMPANY		COMPANY	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE	10/14/92	SIGNATURE		SIGNATURE	
PRINTED NAME	TIME	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY	1700	COMPANY		COMPANY	

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST
PROJECT NO: _____
DATE 10/15/92 PAGE 3 OF 4

PROJECT NAME Chevron 4234
ADDRESS 9068 Graafskap Rd, Lakeside, CA
SAMPLER'S SIGNATURE Blair Ledbetter
PRINTED NAME Blair Ledbetter
CLIENT PROJECT NO. 7025
PROJECT MANAGER Steve Cucca

SAMPLE NO.	DATE	TIME	LOCATION	METHODS: TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS						MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SP-44	10/15/92	1307	~~Intersection of Magnolia & Graafskap~~ BP Station Northeastern corner	X		X								Soil	brass	1	
SP-45		1310	Stockpile soil from excavation area	X		X											
SP-46		1313	"	X		X											
SP-47		1315	"	X		X											
SP-48		1320	Stockpile soil Northeastern corner station				X										
SP-49		1322	"				X										
SP-50		1325	"				X										
SP-51		1328	"				X										
~~X~~																	

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE Blair Ledbetter	10/15/92	SIGNATURE		SIGNATURE	
PRINTED NAME Blair Ledbetter	TIME 1600	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY Geotest		COMPANY		COMPANY	
4 RECEIVED BY	DATE	**5 RECEIVED BY**	DATE	**6 RECEIVED BY (LAB)**	DATE
SIGNATURE	10/15/92	SIGNATURE		SIGNATURE	
PRINTED NAME	TIME 1600	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY Fed Ex		COMPANY		COMPANY	

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS

418.1 detection
Limit - 50 mg/kg

GEOTEST
3960 Gilman Street
Long Beach, CA. 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST
PROJECT NO:
DATE 10/15/92 PAGE 4 OF 4

PROJECT NAME Unocal 4734
ADDRESS 9068 Grapevine Rd, Lakes, Ca
SAMPLER'S SIGNATURE Blair Redfern
PRINTED NAME Blair Redfern
CLIENT PROJECT NO. 92025
PROJECT MANAGER Steve Cerra

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS						MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SP-52	10/15/92	1330	North of former Station on Tegan Park				X							Soil	Brass	1	
SP-53	"	1335					X							"	"	"	

METHODS

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE Blair Redfern	10/15/92	SIGNATURE		SIGNATURE	
PRINTED NAME Blair Redfern	TIME	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY Geo Research	1800	COMPANY		COMPANY	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE	10/17/92	SIGNATURE		SIGNATURE	
PRINTED NAME	TIME	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY Greenland Platform	1800	COMPANY		COMPANY	

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS

Detection limit for 418.1 - 50 mg/kg

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED :	10/12,13/92
DATE RECEIVED:	10/16/92
DATE ADDITIONAL ANALYSES REQUESTED:	10/26/92
DATE ANALYZED:	10/27/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-11
ANALYSES:	418.1

ANALYSIS OF HYDROCARBON CONTENT BY INFRARED SPECTROMETRY EPA METHOD 418.1

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
COMPOSITE (SP-1, SP-2, SP-3, SP-4)	ND	50
COMPOSITE (SP-5, SP-6, SP-7)	120	50
COMPOSITE (SP-8, SP-9, SP-10, SP-11, SP-12, SP-13)	71	50
COMPOSITE (SP-14, SP-15, SP-16)	500	50

ND - Not detected below indicated limit of detection.

Analyst: VN

Reviewed and Approved: _____
Report date: 10/28/92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
EPA METHOD 418.1

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-11
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 10/27/92
SAMPLE MATRIX: SOIL

ELAP certification #1225
Analyses method: 418.1

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	50
	% ACCURACY	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	113	70 - 130%
	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE	116	70 - 130%
	% REPRODUCIBILITY	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	104	70 - 130%

Checked and Approved: _____

Report Date: 10/28/92

GEOTEST
3960 Gilman Street
Long Beach, CA. 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST PROJECT NO: 92400-11
DATE 10/14/92 PAGE 1 OF 5

PROJECT NAME Unocal 4734
ADDRESS 9068 Grapevine Rd., Lodi, CA
SAMPLER'S SIGNATURE Blair Redfearn
PRINTED NAME Blair Redfearn
CLIENT PROJECT NO. 92025
PROJECT MANAGER Steve Cucera

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SP-1	10/12/92	1503	bottom of Gas USTs	X		X	X		Soil	Brass	1	
SP-2	"	1512	"	X		X	X					
SP-3	"	1520	"	X		X	X					
SP-4	10/13/92	0930	"	X		X	X					
SP-5	10/12/92	1533 BR ~~1540~~	"	X		X	X					
SP-6	"	1552	"	X		X	X					
SP-7	"	1555	"	X		X	X					

1 RELINQUISHED BY: Blair Redfearn / Blair Redfearn / GeoResearch	DATE 10/14/92	2 RELINQUISHED BY: SIGNATURE / PRINTED NAME / COMPANY	DATE	3 RELINQUISHED BY: SIGNATURE / PRINTED NAME / COMPANY	DATE	SAMPLE CONDITIONS: RECEIVED ON ICE YES/NO; CHAIN OF CUSTODY SEAL YES/NO
	TIME 1700		TIME		TIME	
4 RECEIVED BY: SIGNATURE / PRINTED NAME / COMPANY: Federal Pkg Express	DATE 10/14/92	5 RECEIVED BY: SIGNATURE / PRINTED NAME / COMPANY	DATE	6 RECEIVED BY (LAB): Shirley Minor / SHIRLEY MINOR / GEOTEST	DATE 10/16/92	PROJECT COMMENTS: 5634; 418.1 Composite analysis requested 10/26/92.
	TIME 1700		TIME		TIME 11:30	

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST PROJECT NO: 92400-11
DATE _____ PAGE 2 OF 5

PROJECT NAME UNOCAL 4734
ADDRESS 9068 Graceview Rd, Lakeside, CA
SAMPLER'S SIGNATURE Blair Rodgers
PRINTED NAME BLAIR RODGERS
CLIENT PROJECT NO. 92025
PROJECT MANAGER STEVE CURRA

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SP-8	10/12/92	1614	Top of GAS USTS	X		X	X		Soil	bag	1	
SP-9		1621	"									
SP-10		1630	"									
SP-11	10/12/92	1635	"									
SP-12	10/13/92	1000	"									
SP-13	"	1005	"									
SP-14	"	1010	"									
SP-15	10/12/92	1645	"									
SP-16	"	1655	"									

1 RELINQUISHED BY SIGNATURE Blair Rodgers PRINTED NAME BLAIR RODGERS COMPANY GeoResearch	DATE 10/13/92 TIME 1700	2 RELINQUISHED BY SIGNATURE PRINTED NAME COMPANY	DATE TIME	3 RELINQUISHED BY SIGNATURE PRINTED NAME COMPANY	DATE TIME	SAMPLE CONDITIONS RECEIVED ON ICE YES/NO CHAIN OF CUSTODY SEAL YES/NO	
4 RECEIVED BY SIGNATURE PRINTED NAME COMPANY Gearhart P/U Express	DATE 10/14/92 TIME 1700	5 RECEIVED BY SIGNATURE PRINTED NAME COMPANY	DATE TIME	6 RECEIVED BY (LAB) SIGNATURE Shirley Munos PRINTED NAME SHIRLEY MUNOS COMPANY GEO TEST	DATE 10/10/92 TIME 11:30	PROJECT COMMENTS 5634 418.1 Composite analysis requested 10/26/92.	

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 **(310) 498-9515** (800) 624-5744

L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

DATE SAMPLED :	11/25/92
DATE RECEIVED:	11/27/92
DATE ANALYZED:	11/27/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-16
ANALYSES:	TPH-G

PROJECT NAME: UNOCAL #4734
9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
SP1-4	24	1.0
SP2-2	19	1.0
SP3-2	20	1.0
SP4-4	23	1.0
SP5-1	24	1.0

ND - Not detected below indicated limit of detection.

Analyst: RV

Reviewed and Approved: _____
Report date: 12/1/92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - GASOLINE

GEOTEST CLIENT NAME: GEORESEARCH ELAP Certification #1225
GEOTEST PROJECT NO: 92400-16 Analyses prep method:5030
GEOTEST PROJECT NAME: UNOCAL #4734 Analyses method:DHS TPH-G
DATE ANALYZED:11/27/92
SAMPLE MATRIX:SOIL

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	1.0

	ACCURACY %	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	114	70 - 130

	RECOVERY %	ACCEPTABLE RANGE %
MATRIX SPIKE	106	70 - 130

	REPRODUCIBILITY %	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	89	70 - 130

Checked and Approved: _____

Report Date: 12/1/92

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: STEVE CURRA

DATE SAMPLED : 11/25/92
DATE RECEIVED: 11/27/92
DATE ANALYZED: 11/27/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-16
ANALYSES: BTEX

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF ORGANIC AROMATICS
EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
SP1-4	ND	ND	ND	0.017
SP2-2	ND	ND	ND	ND
SP3-2	ND	ND	ND	0.019
SP4-4	ND	ND	ND	0.034
SP5-1	ND	ND	ND	0.021

ND - Not detected below indicated limit of detection.

Analyst: RV

Reviewed and Approved: [signature]
Report date: 12/1/92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF BTEX BY GC/PID

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO: 92400-16
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 11/27/92
SAMPLE MATRIX: SOIL

ELAP Certification #1225
Analyses prep method:5030
Analyses method:8020

METHOD BLANK	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
Benzene	ND	0.005
Toluene	ND	0.005
Ethylbenzene	ND	0.005
Total Xylenes	ND	0.015

LABORATORY CONTROL STANDARD	% ACCURACY	ACCEPTABLE RANGE %
Benzene	104	70-130%
Toluene	117	70-130%
Ethylbenzene	92	70-130%
Total Xylenes	97	70-130%

MATRIX SPIKE	% RECOVERY	ACCEPTABLE RANGE %
Benzene	92	70-130%
Toluene	92	70-130%
Ethylbenzene	94	70-130%
Total Xylenes	92	70-130%

MATRIX SPIKE DUPLICATE	% REPRODUCIBILITY	ACCEPTABLE RANGE %
Benzene	92	70-130%
Toluene	89	70-130%
Ethylbenzene	92	70-130%
Total Xylenes	91	70-130%

Checked and Approved: _____

Report Date: 12/1/92

GEOTEST
3960 Gilman Street
Long Beach, CA. 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST PROJECT NO: 92100-16
DATE 11-30-92 PAGE 1 OF 1

PROJECT NAME UNOCAL #1734
ADDRESS 9068 W. Grapevine Rd., Cebec CA.
SAMPLER'S SIGNATURE [signature]
PRINTED NAME JIM ROHRER
CLIENT PROJECT NO. 92075
PROJECT MANAGER Steve Curra

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	MATRIX	CONTAINER TYPE	# OF CONTAINERS
SP1-4	11/25/92	1054	STOCKPILE	X		X			SOIL	BRASS	1
SP2-2		1100		X		X					
SP3-2		1105		X		X					
SP4-4		1110		X		X					
SP5-1		1115		X		X					

SPECIAL HANDLING

	RELINQUISHED BY	DATE	TIME
1	SIGNATURE: Jim Rohrer PRINTED NAME: JIM ROHRER COMPANY: GeoResearch	11/25/92	1700
2	SIGNATURE: Steve Curra PRINTED NAME: STEVE CURRA COMPANY: GEORESEARCH	11-26-92	
3	SIGNATURE: PRINTED NAME: COMPANY:		

	RECEIVED BY	DATE	TIME
4	SIGNATURE: Steve Curra PRINTED NAME: STEVE CURRA COMPANY: GEORESEARCH	11/25/92	1700
5	SIGNATURE: PRINTED NAME: COMPANY:		
6	SIGNATURE: Shirley Munoz PRINTED NAME: SHIRLEY MUNOZ COMPANY: GEOTEST	11/30/92	8:00

SAMPLE CONDITIONS
RECEIVED ON ICE (YES) NO
CHAIN OF CUSTODY SEAL (YES) NO

PROJECT COMMENTS:
5767

ORIGINAL

APPENDIX E

SOIL CHARACTERIZATION AND DISPOSAL DOCUMENTATION

C-4791.0 8634

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: UNOCAL Marketing

ADDRESS: P. O. Box 5155

EPA I.D. NO.: CAD982056582

CITY, STATE, ZIP: San Ramon, Ca. 94583

Site: Highway 99 and Grapevine, Lebec Station #4734

PHONE NO.: 510 277-2368

CONTAINERS: No. 300826 VOLUME: 14 yds WEIGHT: —

TYPE: ☐ TANK TRUCK XX ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: Soil with Gas and Diesel

GENERATING PROCESS: Removal of underground tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4.			8.		

PROPERTIES: pH Neutral XX ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal Matthew Dutra 11-13-92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TRANSPORTER

NAME: Dillard Trucking, Inc.

EPA I.D. NO.: CAD981692809

ADDRESS: P. O. Box 218 Byron, California 94514

SERVICE ORDER NO.: 1431733

CITY, STATE, ZIP: —

PICK UP DATE: —

PHONE NO.: 510 634-6850

TRUCK, UNIT, I.D. NO.: 489-280

Bud Lawrence Bud Lawrence 11-13-92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

NAME: Laidlaw Environmental Services, Inc.

EPA I.D. NO.: CAD980675276

ADDRESS: 2500 Lokern Road Buttonwillow, California 93206-0787

DISPOSAL METHOD: ☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP: —

PHONE NO.: 800 544-7199

Gabriel Ortega Gabriel Ortega 11-13-92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD/NEW	L A	TONS 165	
TRANS		S B	29,040	
C/O		RT/CD	HWDF NONE	DISCREPANCY

[redacted] Lok[redacted] In[redacted]

☐ HAZARDOUS (NON-RCRA)

☐ NON HAZARDOUS

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

WMU # _____ LOCATION _____

DATE _____

5:10 PM 11-13-92 60160 16 GR

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

05:42 PM 11 13 92
60160 LB
31120 LB TR
29040 LB NET

MANIFEST NO.	QUANTITY	RATE
[illegible]	_____ tons	_____ $/ton

TRUCKING CO. [illegible]

☐ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN
☐ ROLL OFF - _____ BINS ☐ FLAT BED ☐ _____

GENERATOR [illegible] COMPANY — Grapevine LOCATION — 4734 STATION

CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS _____ DRIVER'S SIGNATURE X [illegible]

DESCRIPTION: ☒ SOLID ☐ LIQUID STATE ID # _____ EPA ID# _____

IN-SITE ID: ANALYST Jack Daniels PROFILE# M92-N-Unocal

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	brown	☒	☐	Sul(8A)	POS NEG	☒	☐	Absp(26)	PASS FAIL	☐	☐		55 GAL
Vis.(1)	ok	☒	☐	Cya(9A)	POS NEG	☒	☐	Flash	N/A °F	☐	☐		85 GAL
pH (3)	4.10	☒	☐	F.L.(21)	YES NO	☒	☐	HCVP	20	☒	☐		

COMMENTS: _____

CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X [illegible]

CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X [illegible]

SAMPLING PROCEDURE

By Jack Daniels

☒ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC.
WEIGHMASTER

Gross by [illegible] Deputy

Tare By [illegible] Deputy

Truck # 489

Truck Lic. No. [illegible]

Trailer Lic. No. [illegible]

Trailer Lic. No. _____

C-47909

8636

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: UNOCAL Marketing

ADDRESS: P. O. Box 5155

CITY, STATE, ZIP: San Ramon, Ca. 94583

EPA I.D. NO.: C A D 9 8 2 0 5 6 5 8 2

Site: Highway 99 and Grapevine, Lebec Station #4734

PHONE NO.: 510 277-2368

CONTAINERS: NO. (1) 300819 VOLUME: 18 yds WEIGHT: ———

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: Soil with Gas and Diesel

GENERATING PROCESS: Removal of underground tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4.			8.		

PROPERTIES: pH Neutral ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal Matthew Dutra 11/13/

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TRANSPORTER

NAME: Dillard Trucking, Inc.

EPA I.D. NO.: C A D 9 8 1 6 9 2 8 0 9

ADDRESS: P. O. Box 218

SERVICE ORDER NO.: 1431/33

CITY, STATE, ZIP: Byron, California 94514

PICK UP DATE: 11/13/92

PHONE NO.: 510 634-6850

TRUCK, UNIT, I.D. NO.: 189-210

Bill Lee — 11/13/92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

NAME: Laidlaw Environmental Services, Inc.

EPA I.D. NO.: C A D 9 8 0 6 7 5 2 7 6

ADDRESS: 2500 Lokern Road

DISPOSAL METHOD: ☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP: Buttonwillow, California 93206-0787

PHONE NO.: 800 544-7199

Gabriel Ortega — 11-13-92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD/NEW	L A	~~TONS~~ lbs	
TRANS		S B	50120	
C/O		RT/CD	HWDF NONE	DISCREPANCY

☐ RCRA
☐ HAZARDOUS (NON-RCRA)
☒ NON HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.
2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W [redacted] 4316

WMU # 22 LOCATION 19-11-1

DATE 11-13-92

4:51PM 11-13-92 81380 LB GR

05:38 PM 11 13 92
81380 LB
31260 LB TR
50120 LB NET

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

8676 _____ tons _____ $/ton
MANIFEST NO. QUANTITY RATE

TRUCKING CO. D. Ward ☒ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN ☐ ROLL OFF - _____ BINS ☐ FLAT BED ☐ _____

GENERATOR Unocal Grapevine 4734
COMPANY LOCATION STATION

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS _____ DRIVER'S SIGNATURE X [signature]

DESCRIPTION: ☒ SOLID ☐ LIQUID STATE ID # _____ EPA ID# _____

ON-SITE ID: ANALYST Jack Daniels PROFILE# M92-N-Unocal

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	brown	☒	☐	Sul(8A)	POS (NEG)	☒	☐	Absp(26)	PASS FAIL	☐	☐	_____	55 GAL
Vis.(1)	O.K.	☒	☐	Cya(9)	POS (NEG)	☒	☐	Flash	_____ °F	☐	☐	_____	85 GAL
pH (3)	7.00	☒	☐	F.L.(21)	YES (NO)	☒	☐	HCLP	24	☐	☐	_____	_____

COMMENTS: _____

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X [signature]

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X [signature]

SAMPLING PROCEDURE

By Jack Daniels

☒ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC.
WEIGHMASTER

Gross by [signature]
Deputy

Tare By [signature]
Deputy

Truck # 1

Truck Lic. No. 9N779

Trailer Lic. No. 1V9284

Trailer Lic. No. _____

C-474096 8637

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME UNOCAL Marketing

ADDRESS P. O. Box 5155

EPA I.D. NO. CAD 982 052 582

CITY, STATE, ZIP San Ramon, Ca. 94583 Site: Highway 99 and Grapevine, Lebec Station #4734

PHONE NO. 510 277-2368

CONTAINERS: No. 300 810 VOLUME 16 yds WEIGHT —

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Soil with Gas and Diesel GENERATING PROCESS Removal of underground tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4.			8.		

PROPERTIES: Neutral pH ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal Matthew Dutra 11/13
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Dillard Trucking, Inc.

EPA I.D. NO. CAD 981 692 809

ADDRESS P. O. Box 218

SERVICE ORDER NO. 1431/33

CITY, STATE, ZIP Byron, California 94514

PICK UP DATE 11-13-92

PHONE NO. (510) 634-6850

TRUCK, UNIT, I.D. NO. 39

JIM FERREIRA Jim Ferreira 11-13-92
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Laidlaw Environmental Services, Inc.

EPA I.D. NO. CAD 980 752 761

DISPOSAL METHOD

ADDRESS 2500 Lokern Road

☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP Buttonwillow, California 93206-0787

PHONE NO. 800 544-7199

Gabriel Ortega J Gabriel Ortega 11-13-92
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	~~TONS~~ lbs	
TRANS		S B	55,080	
C/O		RT/CD	HWDF NONE	DISCREPANCY

215892

☐ RCRA

☐ HAZARDOUS (NON-RCRA)

☒ NON HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W/O# C-47908

WMU # 33 LOCATION 15-H-9

2:39PM 11-13-92 84960 LB GR

DATE 11-13-92

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

03:19 PM 11 13 92
84960 LB
29880 LB TR
55080 LB NET

8637 (MANIFEST NO.) _____ (QUANTITY) tons _____ (RATE) $/ton

TRUCKING CO. Dillard ☒ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN ☐ ROLL OFF - ____ BINS ☐ FLAT BED ☐ ____

GENERATOR Unocal (COMPANY) Gapevine (LOCATION) 4734 (STATION)

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS _____ DRIVER'S SIGNATURE X [signature]

DESCRIPTION: ☐ SOLID ☐ LIQUID STATE ID # _____ EPA ID# _____

ON-SITE ID: ANALYST Jack Daniels PROFILE# M92-N-Unocal

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	brown	☒	☐	Sul(8A)	POS NEG	☒	☐	Absp(26)	PASS FAIL	☐	☐		55 GAL
Vis.(1)	O.K.	☒	☐	Cya(9A)	POS NEG	☒	☐	Flash	N/A °F	☐	☐		85 GAL
pH (3)	8.99	☒	☐	F.L.(21)	YES NO	☒	☐	HCVP	Yes	☒	☐		

COMMENTS: _____

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC.
WEIGHMASTER

Gross by [signature] Deputy

Tare By [signature] Deputy

Truck # 39

Truck Lic. No. _____

Trailer Lic. No. _____

Trailer Lic. No. _____

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X [signature]

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X [signature]

SAMPLING PROCEDURE

By Jack Daniels

☐ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

C-47907

8638

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: UNOCAL Marketing

ADDRESS: P. O. Box 5155

EPA I.D. NO.: C A D 9 8 2 0 5 6 5 8 2

CITY, STATE, ZIP: San Ramon, Ca. 94583

Site: Highway 99 and Grapevine, Lebec Station #4734

PHONE NO.: (510) 277-2368

CONTAINERS: No. 300818 VOLUME 18 yds WEIGHT ———

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: Soil with Gas and Diesel

GENERATING PROCESS: Removal of underground tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4.			8.		

PROPERTIES: pH Neutral ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal Matthew Dutra 11/13/9
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME: Dillard Trucking, Inc.

EPA I.D. NO.: C A D 9 8 1 6 9 2 8 0 9

ADDRESS: P. O. Box 218

SERVICE ORDER NO.: 1431/33

CITY, STATE, ZIP: Byron, California 94514

PICK UP DATE: 11/13/92

PHONE NO.: (510) 634-6850

TRUCK, UNIT, I.D. NO.: 86

Kenneth L. Rencrow Kenneth L. Rencrow 11/13/92
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME: Laidlaw Environmental Services, Inc.

EPA I.D. NO.: C A D 9 8 0 6 7 5 2 7 6

ADDRESS: 2500 Lokern Road

DISPOSAL METHOD: ☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP: Buttonwillow, California 93206-0787

PHONE NO.: 800 544-7199

David Hamingway David Hamingway 11/13/92
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS 18	
TRANS		S B	51500	
C/O		RT/CD	HWDF NONE	DISCREPANCY

215896

☐ RCRA
☐ HAZARDOUS (NON-RCRA)
☒ NON HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W/O# C 47907

WMU # 33 LOCATION 15-H-9

2:17PM 11-13-92 82140 LB GR

DATE 11-13-92

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

03:11 PM 11 13 92
82140 LB
30640 LB TR
51500 LB NET

8638 (MANIFEST NO.) _____ (QUANTITY) tons _____ (RATE) $/ton

TRUCKING CO. Dillard ☒ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN ☐ ROLL OFF - _____ BINS ☐ FLAT BED ☐ _____

GENERATOR Unocal (COMPANY) Grapevine (LOCATION) 4734 (STATION)

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS _____ DRIVER'S SIGNATURE X [signature]

DESCRIPTION: ☒ SOLID ☐ LIQUID STATE ID # _____ EPA ID# _____

ON-SITE ID: ANALYST Glenn Dodin PROFILE# M92-N-Unocal

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	brown	☒	☐	Sul(8A)	POS NEG	☒	☐	Absp(28)	PASS FAIL	☐	☐		55 GAL
Vis.(1)	20 K	☒	☐	Cya(9A)	POS NEG	☒	☐	Flash	N/A °F	☐	☐		85 GAL
pH (3)	7.55	☒	☐	F.L.(21)	YES NO	☒	☐	HCVP	40	☒	☐		

COMMENTS: _____

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X [signature]

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X [signature]

SAMPLING PROCEDURE

By [signature]

☐ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC.
WEIGHMASTER

Gross by [signature] Deputy

Tare By [signature] Deputy

Truck # _____

Truck Lic. No. 3L24201

Trailer Lic. No. 11119912

Trailer Lic. No. _____

L-47906

8639

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME UNOCAL Marketing

ADDRESS P. O. Box 5155

EPA I.D. NO. CAD982056582

CITY, STATE, ZIP San Ramon, Ca. 94583

Site:Highway 99 and Grapevine, Lebec Station #4734

PHONE NO. (510) 277-2368

CONTAINERS: No. 300828 VOLUME 18 yds WEIGHT —

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Soil with Gas and Diesel

GENERATING PROCESS Removal of underground tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4.			8.		

PROPERTIES: pH Neutral ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal Matthew Dutra 11/13/9

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Dillard Trucking, Inc.

EPA I.D. NO. CAD981692809

ADDRESS P. O. Box 218

SERVICE ORDER NO. 1431/33

CITY, STATE, ZIP Byron, California 94514

PICK UP DATE 11 13 92

PHONE NO. (510) 634-6850

TRUCK, UNIT, I.D. NO. 289

Walter Mayhew Walter Mayhew 11 13 92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Laidlaw Environmental Services, Inc.

EPA I.D. NO. CAD980675276

DISPOSAL METHOD

ADDRESS 2500 Lokern Road

☑ LANDFILL ☐ OTHER

CITY, STATE, ZIP Buttonwillow, California 93206-0787

PHONE NO. 800 544-7199

Hilario Cavalos 11-13-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L	A	TONS 56400	L.S
TRANS		S	B		
C/O		RT/CD		HWDF NONE	DISCREPANCY

[redacted] [redacted] [redacted] [redacted] [redacted]nvi[redacted]ner[redacted]Ger[redacted]s [redacted] [redacted] WO[redacted]

☐ HAZARDOUS (NON-RCRA)

☐ NON HAZARDOUS

(Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

WMU # ____ LOCATION ____

DATE ____

WEIGHMASTER CERTIFICATE

2:12PM 11-13-92 81540 LB SR

02:53 PM 11 13 92
81540 LB
31140 LB TR
50400 LB NET

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

____ MANIFEST NO. ____ QUANTITY tons ____ RATE $/ton

TRUCKING CO. Dillon ☒ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN ☐ ROLL OFF ____ BINS ☐ FLAT BED ☐ ____

GENERATOR Unocal (COMPANY) Grapevine (LOCATION) 4734 (STATION)

CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS ____ DRIVER'S SIGNATURE X [signature]

DESCRIPTION: ☐ SOLID ☐ LIQUID STATE ID # ____ EPA ID# ____

ON-SITE ID: ANALYST Glenn Dedini PROFILE# M32-N-Unocal

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	brown	☒	☐	Sul(8A)	POS NEG	☒	☐	Absp(26)	PASS FAIL	☐	☐		55 GAL
Vis.(1)	O.K.	☒	☐	Cya(9A)	POS NEG	☒	☐	Flash	N/A °F	☐	☐		85 GAL
pH (3)	7.16	☒	☐	F.L.(21)	YES NO	☒	☐	HCVP	40	☒	☐		

COMMENTS: ____

CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X [signature]

CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X [signature]

SAMPLING PROCEDURE

By Jack Daniels

☐ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC. WEIGHMASTER

Gross by [signature] Deputy

Tare By [signature] Deputy

Truck # 289

Truck Lic. No. ____

Trailer Lic. No. ____

Trailer Lic. No. ____

C-47405 b 8640

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: UNOCAL Marketing

ADDRESS: P. O. Box 5155

CITY, STATE, ZIP: San Ramon, Ca. 94583

EPA I.D. NO.: C A D 9 8 2 0 5 6 5 8 2

Site: Highway 99 and Grapevine, Lebec Station #4734

PHONE NO.: ( ) 510 277-2368

CONTAINERS: No. 300827 VOLUME 14 yds WEIGHT —

TYPE: ☐ TANK TRUCK XX ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: Soil with Gas and Diesel

GENERATING PROCESS: Removal of underground tank

COMPONENTS OF WASTE	PPM	%
1. Soil		99.9
2. Gasoline		<0.1
3. Diesel		<0.1
4.		
5.		
6.		
7.		
8.		

PROPERTIES: pH Neutral XX ☐ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal Matthew Dutra 11/1

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME: Dillard Trucking, Inc.

EPA I.D. NO.: C A D 9 8 1 6 9 2 8 0 9

ADDRESS: P. O. Box 218

SERVICE ORDER NO.: 1431/33

CITY, STATE, ZIP: Byron, California 94514

PICK UP DATE: 11-13-92

PHONE NO.: (510) 634-6850

TRUCK, UNIT, I.D. NO.: 38

Robert Hosmer Robert Hosmer 11-13-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME: Laidlaw Environmental Services, Inc.

EPA I.D. NO.: C A D 9 8 0 6 7 5 2 7 6

ADDRESS: 2500 Lokern Road

DISPOSAL METHOD: ☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP: Buttonwillow, California 93206-0787

PHONE NO.: 800 344-7199

Gabriel Ortega 11-13

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS 165	
TRANS		S B	50,300	
T/O		RT/CD	HWDF NONE	DISCREPANCY

215887

☐ RCRA

☐ HAZARDOUS (NON-RCRA)

☒ NON HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W/O# [illegible]

WMU # 33 LOCATION 15-H-4

1:21PM 11-13-92 81360 lb GR

DATE 11-13-92

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

02:04 PM 11 13 92
81360 LB
31060 LB TR
50300 LB NET

[illegible] MANIFEST NO. _____ QUANTITY _____ tons _____ RATE _____ $/ton

TRUCKING CO. Dillard ☒ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN ☐ ROLL OFF - _____ BINS ☐ FLAT BED ☐ _____

GENERATOR [illegible] COMPANY LEBEE LOCATION 47341 STATION

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS _____ DRIVER'S SIGNATURE X [illegible]

DESCRIPTION: ☒ SOLID ☐ LIQUID STATE ID # _____ EPA ID# _____

ON-SITE ID: ANALYST [illegible] PROFILE# 211-92-21 [illegible]

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	[illegible]	☒	☐	Sul(8A)	POS NEG	☒	☐	Absp(26)	PASS FAIL	☐	☐		55 GAL
Vis.(1)	[illegible]	☒	☐	Cya(9 △)	POS NEG	☒	☐	Flash	N A °F	☐	☐		85 GAL
pH (3)	[illegible]	☒	☐	F.L.(21)	YES NO	☒	☐	[illegible]	O	☒	☐		

COMMENTS: _____

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X [illegible]

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X [illegible]

SAMPLING PROCEDURE

By [illegible]

☐ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC.
WEIGHMASTER

Gross by [illegible] Deputy

Tare By [illegible] Deputy

Truck # [illegible]

Truck Lic. No. [illegible]

Trailer Lic. No. [illegible]

Trailer Lic. No. _____

C-47904

8641

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: UNOCAL Marketing

ADDRESS: P. O. Box 5155

EPA I.D. NO.: CAD982056582

CITY, STATE, ZIP: San Ramon, Ca. 94583

Site: Highway 99 and Grapevine, Lebec Station #4734

PHONE NO.: (510) 277-2368

CONTAINERS: No. 300826 VOLUME: 14 yds WEIGHT: —

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: Soil with Gas and Diesel

GENERATING PROCESS: Removal of underground tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4.			8.		

PROPERTIES: pH Neutral ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal Matthew Dutra 11/13
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME: Dillard Trucking, Inc.

EPA I.D. NO.: CAD981692809

ADDRESS: P. O. Box 218

SERVICE ORDER NO.: 1431/33

CITY, STATE, ZIP: Byron, California 94514

PICK UP DATE: —

PHONE NO.: (510) 634-6850

TRUCK, UNIT, I.D. NO.: 489-280

Bud Lawrence Bud Lawrence 11-13-92
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME: Laidlaw Environmental Services, Inc.

EPA I.D. NO.: CAD980675276

DISPOSAL METHOD

ADDRESS: 2500 Lokern Road

☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP: Buttonwillow, California 93206-0787

PHONE NO.: 800 544-7199

Jack Daniels Jack Daniels 11-13-92
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	~~TONS~~	
TRANS		S B	30780 LBS	
C/O		RT/CD	HWDF NONE	DISCREPANCY

☐ RCRA

☐ HAZARDOUS (NON-RCRA)

☒ NON HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W/O# 2635

WMU # 33 LOCATION Cell 1

1:00PM 11-13-92 81940 lb GR

DATE 11-13-92

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

01:51 PM 11 13 92
81940 LB
31160 LB TR
50780 LB NET

MANIFEST NO.	QUANTITY	tons	RATE	$/ton
7541				

TRUCKING CO. Dillard

☒ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN
☐ ROLL OFF - ____ BINS ☐ FLAT BED ☐ ____

GENERATOR Chemical (COMPANY) Lokern (LOCATION) 11741 (STATION)

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE.

FOR WASHOUT: DRIVER'S INITIALS ____ DRIVER'S SIGNATURE X Bill Kirkland

DESCRIPTION: ☐ SOLID ☐ LIQUID STATE ID # ____ EPA ID# ____

ON-SITE ID: ANALYST Derek Hamilton PROFILE# 311 92-21 Chemical

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	Brown	☒	☐	Sul(8A)	POS NEG	☐	☐	Absp(26)	PASS FAIL	☐	☐		55 GAL
Vis.(1)	200	☒	☐	Cya(9A)	POS NEG	☐	☐	Flash	°F	☐	☐		85 GAL
pH (3)	7.2	☒	☐	F.L.(21)	YES NO	☐	☐	Water	6	☒	☐		

COMMENTS: ____

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC. WEIGHMASTER

Gross by ____ Deputy

Tare By Bob Dunkle Deputy

Truck # 112

Truck Lic. No. 2A07193

Trailer Lic. No. N/A

Trailer Lic. No. ____

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X ____

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X ____

SAMPLING PROCEDURE

By Derek Hamilton

☒ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

C-47903

8642

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: UNOCAL Marketing

ADDRESS: P. O. Box 5155

CITY, STATE, ZIP: San Ramon, Ca. 94583

EPA I.D. NO.: C A D 9 8 2 0 5 6 5 8 2

Site: Highway 99 and Grapevine, Lebec Station #4734

PHONE NO.: 510 277-2368

CONTAINERS: No. (1) 300819 VOLUME: 18 yds WEIGHT: —

TYPE: ☐ TANK TRUCK ☒ DUMP THUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: Soil with Gas and Diesel

GENERATING PROCESS: Removal of underground tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4.			8.		

PROPERTIES: Neutral pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal Matthew Dutra 11/13
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME: Dillard Trucking, Inc.

EPA I.D. NO.: C A D 9 8 1 6 9 2 8 0 9

ADDRESS: P. O. Box 218

SERVICE ORDER NO.: 1431/33

CITY, STATE, ZIP: Byron, California 94514

PICK UP DATE: 11/13/92

PHONE NO.: (510) 634-6850

TRUCK, UNIT, I.D. NO.: 189-210

Bill Lee
TYPED OR PRINTED FULL NAME & SIGNATURE

Bill Lee 11/13/92
DATE

TSD FACILITY

NAME: Laidlaw Environmental Services, Inc.

EPA I.D. NO.: C A D 9 8 0 6 7 5 2 7 6

ADDRESS: 2500 Lokern Road

DISPOSAL METHOD: ☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP: Buttonwillow, California 93206-0787

PHONE NO.: 800 544-7199

Jack Daniels Jack Daniels 11-13-92
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS	
TRANS		S B	48020 L35	
C/O		RT/CD	HWDF NONE	DISCREPANCY

2[redacted]

☐ RCRA

☐ HAZARDOUS (NON-RCRA)

☒ NON HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W/O# [illegible]

WMU # 3 LOCATION

1:07PM 11-13-92 79340 LB GR

DATE 11 13 92

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

[illegible] MANIFEST NO. _____ QUANTITY _____ tons _____ RATE _____ $/ton

01:46 PM 11 13 92
79340 LB
31320 LB TR
48020 LB NET

TRUCKING CO. [illegible]

☒ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN
☐ ROLL OFF _____ BINS ☐ FLAT BED ☐ _____

GENERATOR [illegible] COMPANY LeBrea LOCATION [illegible] STATION

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS _____ DRIVER'S SIGNATURE X [signature]

DESCRIPTION: ☒ SOLID ☐ LIQUID STATE ID # _____ EPA ID# _____

ON-SITE ID: ANALYST [illegible] PROFILE# [illegible]

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	[illegible]	☐	☐	Sul(8A)	POS NEG	☒	☐	Absp(26)	PASS FAIL	☐	☐		55 GAL
Vis.(1)	[illegible]	☒	☐	Cya(9 [illegible])	POS NEG	☒	☐	Flash	[illegible] °F	☐	☐		85 GAL
pH (3)	[illegible]	☒	☐	F.L.(21)	YES NO	☒	☐	[illegible]	[illegible]	☒	☐		

COMMENTS: _____

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X [signature]

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X _____

SAMPLING PROCEDURE

By [illegible]

☒ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC.
WEIGHMASTER

Gross by [illegible] Deputy

Tare By [illegible] Deputy

Truck # [illegible]

Truck Lic. No. [illegible]

Trailer Lic. No. [illegible]

Trailer Lic. No. _____

C-47902

8643

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME UNOCAL Marketing

ADDRESS P. O. Box 5155

EPA I.D. NO. CAD982056582

CITY, STATE, ZIP San Ramon, Ca. 94583 Site:Highway 99 and Grapevine, Lebec Station #4734

PHONE NO. (510) 277-2368

CONTAINERS: No. 300825 VOLUME 18 yds WEIGHT —

TYPE: ☐ TANK TRUCK XX ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Soil with Gas and Diesel

GENERATING PROCESS Removal of underground tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4.			8.		

PROPERTIES: pH Neutral XX ☐ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal Matthew Dutra 11/13/9

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Dillard Trucking, Inc.

EPA I.D. NO. CAD981692809

ADDRESS P. O. Box 218

SERVICE ORDER NO. 1431/33

CITY, STATE, ZIP Byron, California 94514

PICK UP DATE 11/13/92

PHONE NO. (510) 634-6850

TRUCK, UNIT, I.D. NO. 31

STEVE COSSITT Steve Cossitt 11/13/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Laidlaw Environmental Services, Inc.

EPA I.D. NO. CAD980675276

DISPOSAL METHOD

ADDRESS 2500 Lokern Road

X LANDFILL ☐ OTHER

CITY, STATE, ZIP Buttonwillow, California 93206-0787

PHONE NO. 800 544-7199

JACK DANIELS Jack Daniels 11-13-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L	A	TONS 52540 LBS	
TRANS		S	B		
C/O		RT/CD		HWDF NONE	DISCREPANCY

215863

☐ RCRA

☐ HAZARDOUS (NON-RCRA)

☐ NON HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W/O# [illegible]

WMU # 33 LOCATION [illegible]

1:02PM 11-13-92 84280 lb GR

DATE 11-13-92

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

[illegible] MANIFEST NO. _____ QUANTITY _____ tons _____ RATE _____ $/ton

01:42 PM 11 13 92
84280 LB
31740 LB TR
52540 LB NET

TRUCKING CO. [illegible]

☐ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN
☐ ROLL OFF - _____ BINS ☐ FLAT BED ☐ _____

GENERATOR [illegible] COMPANY LEBER LOCATION [illegible] STATION

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS _____ DRIVER'S SIGNATURE X [illegible]

DESCRIPTION: ☒ SOLID ☐ LIQUID STATE ID # _____ EPA ID# _____

ON-SITE ID: ANALYST [illegible] PROFILE# [illegible]

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	[illegible]	☒	☐	Sul(8A)	POS NEG	☒	☐	Absp(26)	PASS FAIL	☐	☐		55 GAL
Vis.(1)	[illegible]	☐	☐	Cya(9 A)	POS NEG	☒	☐	Flash	°F	☐	☐		85 GAL
pH (3)	[illegible]	☒	☐	F.L.(21)	YES NO	☒	☐	[illegible]	[illegible]	☒	☐		

COMMENTS: _____

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X [illegible]

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X [illegible]

SAMPLING PROCEDURE

By [illegible]

☐ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC.
WEIGHMASTER

Gross by [illegible] Deputy

Tare By [illegible] Deputy

Truck # [illegible]

Truck Lic. No. [illegible]

Trailer Lic. No. [illegible]

Trailer Lic. No. _____

~~B-147644~~ B-147897 8644

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME UNOCAL Marketing

ADDRESS P. O. Box 5155

EPA I.D. NO. CAD982056582

CITY, STATE, ZIP San Ramon, Ca. 94583

Site: Highway 99 and Grapevine, Lebec Station #4734

PHONE NO. (510) 277-2368

CONTAINERS: No. 300810 VOLUME 18Y WEIGHT

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Soil with Gas and Diesel

GENERATING PROCESS Removal of underground tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4.			8.		

PROPERTIES: pH Neutral ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal Matthew Dutra 11/13/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Dillard Trucking, Inc.

EPA I.D. NO. CAD981692809

ADDRESS P. O. Box 218

SERVICE ORDER NO. 1431/33

CITY, STATE, ZIP Byron, California 94514

PICK UP DATE 11-13-92

PHONE NO. (510) 634-6850

TRUCK, UNIT, I.D. NO. 39

JIM FERREIRA Jim Ferreira 11-13-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Laidlaw Environmental Services, Inc.

EPA I.D. NO. CAD980675276

DISPOSAL METHOD

ADDRESS 2500 Lokern Road

☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP Buttonwillow, California 93206-0787

PHONE NO. 800 544-7199

DEREK LINDELL Derek Lindell 11-13-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS LBS	
TRANS		S B	51,220	
C/O		RT/CD	HWDF NONE	DISCREPANCY

215874

☐ RCRA

☐ HAZARDOUS (NON-RCRA)

☒ NON HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W/O# B47897

WMU # 33 LOCATION A - 1

10:42AM 11-13-92 81260 lb GR

DATE 11-13-92

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

11:20 AM 11 13 92
81260 LB
30040 LB TR
51220 LB NET

8644 MANIFEST NO. _____ QUANTITY _____ tons _____ RATE _____ $/ton

TRUCKING CO. Dillard ☒ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN ☐ ROLL OFF - _____ BINS ☐ FLAT BED ☐ _____

GENERATOR [illegible] COMPANY Lebec LOCATION 4734 STATION

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS _____ DRIVER'S SIGNATURE X [illegible]

DESCRIPTION: ☒ SOLID ☐ LIQUID STATE ID # _____ EPA ID# _____

ON-SITE ID: ANALYST [illegible] PROFILE# [illegible]

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	Brown	☒	☐	Sul(8A)	POS NEG	☒	☐	Absp(26)	PASS FAIL	☐	☐		55 GAL
Vis.(1)	OK	☒	☐	Cya(9A)	POS NEG	☒	☐	Flash	[illegible] °F	☐	☐		85 GAL
pH (3)	[illegible]	☒	☐	F.L.(21)	YES NO	☒	☐	[illegible]	[illegible]	☐	☐		

COMMENTS: _____

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X [illegible]

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X _____

SAMPLING PROCEDURE

By [illegible]

☒ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC.
WEIGHMASTER

Gross by [illegible] Deputy

Tare By [illegible] Deputy

Truck # 39

Truck Lic. No. _____

Trailer Lic. No. _____

Trailer Lic. No. _____

~~B-47893~~ B-47896 8645

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: UNOCAL Marketing

ADDRESS: P. O. Box 5155

EPA I.D. NO.: CAD982056582

CITY, STATE, ZIP: San Ramon, Ca. 94583 Site: Highway 99 and Grapevine, Lebec Station #4734

PHONE NO.: (510) 277-2368

CONTAINERS: No. 300818 VOLUME 18 yds WEIGHT —

TYPE: ☐ TANK TRUCK XX☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: Soil with Gas and Diesel

GENERATING PROCESS: Removal of underground tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4.			8.		

PROPERTIES: pH Neutral XX☐ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal Matthew Dutra 11/13/

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME: Dillard Trucking, Inc.

EPA I.D. NO.: CAD981692809

ADDRESS: P. O. Box 218 Byron, California 94514

SERVICE ORDER NO.: 1431/33

CITY, STATE, ZIP:

PICK UP DATE: 11/13/92

PHONE NO.: (510) 634-6850

TRUCK, UNIT, I.D. NO.: 86

Kenneth L. Renfrew Kenneth L. Renfrew 11/13/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME: Laidlaw Environmental Services, Inc.

EPA I.D. NO.: CAD980675276

ADDRESS: 2500 Lokern Road Buttonwillow, California 93206-0787

DISPOSAL METHOD: ☑ LANDFILL ☐ OTHER

CITY, STATE, ZIP:

PHONE NO.: 800 544-7199

Hilario Ca-Ace [signature] 11-13-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS LBS
TRANS		S B	52,480
C/Q		RT/CD	HWDF NONE

DISCREPANCY

☐ RCRA

☐ HAZARDOUS (NON-RCRA)

☒ NON HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W/O# [illegible]

WMU # [illegible] LOCATION [illegible]

10:47AM 11-13-92 03240 LB GR

DATE 11-12-92

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

11:17 AM 11 13 92
83240 LB
30760 LB TR
52480 LB NET

MANIFEST NO.	QUANTITY	RATE
[illegible]	_____ tons	_____ $/ton

TRUCKING CO. Dillard

☒ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN

☐ ROLL OFF - _____ BINS ☐ FLAT BED ☐ _____

GENERATOR [illegible] COMPANY [illegible] LOCATION 42341 STATION

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS _____ DRIVER'S SIGNATURE X [signature]

DESCRIPTION: ☒ SOLID ☐ LIQUID STATE ID # _____ EPA ID# _____

ON-SITE ID: ANALYST [illegible] PROFILE# [illegible]

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	[illegible]	☒	☐	Sul(8A)	POS (NEG)	☒	☐	Absp(26)	PASS FAIL	☐	☐	_____	55 GAL
Vis.(1)	[illegible]	☒	☐	Cya(9)	POS (NEG)	☒	☐	Flash	_____ °F	☐	☐	_____	85 GAL
pH (3)	[illegible]	☒	☐	F.L.(21)	YES (NO)	☒	☐	[illegible]	[illegible]	☒	☐	_____	_____

COMMENTS: _____

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X [signature]

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X _____

SAMPLING PROCEDURE

By [signature]

☐ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC.
WEIGHMASTER

Gross by [signature] Deputy

Tare By [signature] Deputy

Truck # [illegible]

Truck Lic. No. [illegible]

Trailer Lic. No. [illegible]

Trailer Lic. No. _____

~~RJ-47892~~ RJ-47895 8646

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: UNOCAL Marketing

ADDRESS: P. O. Box 5155

EPA I.D. NO.: CAD982056582

CITY, STATE, ZIP: San Ramon, Ca. 94583

Site: Highway 99 and Grapevine, Lebec Station #4734

PHONE NO.: (510) 277-2368

CONTAINERS: No. 300878 VOLUME: 18 yds WEIGHT: —

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: Soil with Gas and Diesel

GENERATING PROCESS: Removal of underground tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4.			8.		

PROPERTIES: pH Neutral ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Duten for Unocal Matthew Duten 11/13/92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TRANSPORTER

NAME: Dillard Trucking, Inc.

EPA I.D. NO.: CAD981692809

ADDRESS: P. O. Box 218

SERVICE ORDER NO.: 1431/33

CITY, STATE, ZIP: Byron, California 94514

PICK UP DATE: 11 13 92

PHONE NO.: (510) 634-6850

TRUCK, UNIT, I.D. NO.: 289

WATER MUGHLER Walter Mughler 11/13/92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

NAME: Laidlaw Environmental Services, Inc.

EPA I.D. NO.: CAD980675276

DISPOSAL METHOD: ☐ LANDFILL ☐ OTHER

ADDRESS: 2500 Lokern Road

CITY, STATE, ZIP: Buttonwillow, California 93206-0787

PHONE NO.: 800 544-7199

DEREK WINTERS Derek Winters 11-13-92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD/NEW	L	A	~~TONS~~ LBS
TRANS		S	B	50700
C/O		RT/CD		HWDF NONE

DISCREPANCY

☐ RCRA

☐ HAZARDOUS (NON-RCRA)

☒ NON HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W/O# [illegible]

WMU # 37 LOCATION [illegible]

10:17AM 11-13-92 32020 LB GR

DATE 11-13-92

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

10:45 AM 11 13 92
32020 LB
31320 LB TR
50700 LB NET

[illegible] _____ tons _____ $/ton

MANIFEST NO. QUANTITY RATE

TRUCKING CO. Dillard

☒ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN
☐ ROLL OFF - _____ BINS ☐ FLAT BED ☐ _____

GENERATOR Chevron Lokern 47341

COMPANY LOCATION STATION

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS _____ DRIVER'S SIGNATURE X _____

DESCRIPTION: ☒ SOLID ☐ LIQUID STATE ID # _____ EPA ID# _____

ON-SITE ID: ANALYST [illegible] PROFILE# [illegible]

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	Brown	☒	☐	Sul(8A)	POS (NEG)	☒	☐	Absp(26)	PASS FAIL	☐	☐	_____	55 GAL
Vis.(1)	[illegible]	☐	☐	Cya(9 [illegible])	POS NEG	☒	☐	Flash	N/A °F	☐	☐	_____	85 GAL
pH (3)	[illegible]	☒	☐	F.L.(21)	YES (NO)	☐	☐	[illegible]	[illegible]	☐	☐	_____	_____

LAIDLAW ENVIRONMENTAL SERVICES
(LOKERN), INC.
WEIGHMASTER

COMMENTS: _____

Gross by _____ Deputy

Tare By _____ Deputy

Truck # [illegible]

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X [illegible]

SAMPLING PROCEDURE

By [illegible]

☒ Scoop ☐ Coliwassa ☐ Thief

Truck Lic. No. _____

Trailer Lic. No. _____

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X _____

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

Trailer Lic. No. _____

~~TS-47589~~ B-47892 8649

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME UNOCAL Marketing

ADDRESS P. O. Box 5155

EPA I.D. NO. CAD 982 056 582

CITY, STATE, ZIP San Ramon, Ca. 94583

Site: Highway 99 and Grapevine, Lebec Station #4734

PHONE NO. 510 277-2368

CONTAINERS: No. (1) 200819 VOLUME 15 yds WEIGHT ———

TYPE: ☐ TANK TRUCK XX ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Soil with Gas and Diesel

GENERATING PROCESS Removal of underground tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4.			8.		

PROPERTIES: pH Neutral XX SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal Matthew Dutra 11/13
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Dillard Trucking, Inc.

EPA I.D. NO. CAD 981 692 809

ADDRESS P. O. Box 218

SERVICE ORDER NO. 1431/33

CITY, STATE, ZIP Byron, California 94514

PICK UP DATE 11/13/92

PHONE NO. (510) 634-6850

TRUCK, UNIT, I.D. NO. 189-210

Bill Lee
TYPED OR PRINTED FULL NAME & SIGNATURE

11/13/92
DATE

TSD FACILITY

NAME Laidlaw Environmental Services, Inc.

EPA I.D. NO. CAD 980 675 276

DISPOSAL METHOD

ADDRESS 2500 Lokern Road

☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP Buttonwillow, California 93206-0787

PHONE NO. 800 544-7199

DEREK Winters
TYPED OR PRINTED FULL NAME & SIGNATURE

11-13-92
DATE

GEN	OLD/NEW	L	A	~~TONS~~ LBS	
TRANS		S	B	46,220	
C/Q		RT/CD		HWDF NONE	DISCREPANCY

☐ RCRA

☐ HAZARDOUS (NON-RCRA)

☒ NON HAZARDOUS

LAIDLAW

Environmental Services (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W/O# 13473-92

WMU # 33 LOCATION

9:48AM 11-13-92 77600 LB GR

DATE 11-13-92

10:19 AM 11 13 92
77600 LB
31460 LB TR
46220 LB NET

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

Ready _____ _____ tons _____ $/ton

MANIFEST NO. QUANTITY RATE

TRUCKING CO. Dillard

☐ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN
☐ ROLL OFF - _____ BINS ☐ FLAT BED ☐ _____

GENERATOR Chevron Lokern

COMPANY LOCATION STATION

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS _____ DRIVER'S SIGNATURE X _____

DESCRIPTION: ☒ SOLID ☐ LIQUID STATE ID # _____ EPA ID# _____

ON-SITE ID: ANALYST _____ PROFILE# 111-92-01 Chevron

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	Brown	☒	☐	Sul(8A)	POS (NEG)	☒	☐	Absp(26)	PASS FAIL	☐	☐	_____	55 GAL
Vis.(1)	75K	☐	☐	Cya(9A)	POS NEG	☒	☐	Flash	_____ °F	☐	☐	_____	85 GAL
pH (3)	7.7	☒	☐	F.L.(21)	YES (NO)	☒	☐	Mag	~~~	☒	☐	_____	_____

COMMENTS: _____

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X _____

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X _____

SAMPLING PROCEDURE

By _____

☒ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

LAIDLAW ENVIRONMENTAL SERVICES
(LOKERN), INC.
WEIGHMASTER

Gross by _____ Deputy

Tare By _____ Deputy

Truck # 1809

Truck Lic. No. _____

Trailer Lic. No. _____

Trailer Lic. No. _____

~~B-47884~~ B-47891 8650

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME UNOCAL Marketing

ADDRESS P. O. Box 5155

EPA I.D. NO. CAD982056582

CITY, STATE, ZIP San Ramon, Ca. 94583 Site: Highway 99 and Grapevine, Lebec Station #4734

PHONE NO. (510) 277-2368

CONTAINERS: No. 300825 VOLUME 18 yds WEIGHT —

TYPE: ☐ TANK TRUCK XX ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Soil with Gas and Diesel

GENERATING PROCESS Removal of underground tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4.			8.		

PROPERTIES: pH Neutral XX ☐ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal Matthew Dutra 11/13/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Dillard Trucking, Inc.

EPA I.D. NO. CAD981692809

ADDRESS P. O. Box 218

SERVICE ORDER NO. 1431/33

CITY, STATE, ZIP Byron, California 94514

PICK UP DATE 11/13/92

PHONE NO. (510) 634-6850

TRUCK, UNIT, I.D. NO. 31

STEVE COSSITT Steve Cossitt 11/13/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Laidlaw Environmental Services, Inc.

EPA I.D. NO. CAD980675276

DISPOSAL METHOD

ADDRESS 2500 Lokern Road

☑ LANDFILL ☐ OTHER

CITY, STATE, ZIP Buttonwillow, California 93206-0787

PHONE NO. 800 544-7199

Hilario Cavalos [signature] 11-13-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	49940
C/O		RT/CD	HWDF NONE

COS.

DISCREPANCY

☐ RCRA

☐ HAZARDOUS (NON-RCRA)

☐ NON HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

WMU # 33 LOCATION 4-17

9:37AM 11-13-92 81860 LB GR

10:09 AM 11 13 92
81860 LB
31920 LB TR
49940 LB NET

DATE 11-13-92

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

MANIFEST NO. 7650 QUANTITY 0 tons RATE $/ton

TRUCKING CO. Dillard

☒ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN
☐ ROLL OFF ____ BINS ☐ FLAT BED ☐ ____

GENERATOR [illegible] COMPANY LOCATION 4734 STATION

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS ____ DRIVER'S SIGNATURE X [signature]

DESCRIPTION: ☒ SOLID ☐ LIQUID STATE ID # ____ EPA ID# ____

ON-SITE ID: ANALYST [signature] PROFILE# [illegible]

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	[illegible]	☒	☐	Sul(8A)	POS NEG	☒	☐	Absp(26)	PASS FAIL	☐	☐		55 GAL
Vis.(1)	[illegible]	☐	☐	Cya(9 [illegible])	POS NEG	☒	☐	Flash	°F	☐	☐		85 GAL
pH (3)	[illegible]	☒	☐	F.L.(21)	YES NO	☒	☐	[illegible]	[illegible]	☒	☐		

COMMENTS: ____

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X [signature]

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X [signature]

SAMPLING PROCEDURE

By [signature]

☐ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC.
WEIGHMASTER

Gross by [signature] Deputy

Tare By [signature] Deputy

Truck # [illegible]

Truck Lic. No. [illegible]

Trailer Lic. No. [illegible]

Trailer Lic. No. ____

N - 42895

8653

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME UNOCAL Marketing

ADDRESS P. O. Box 5155

EPA I.D. NO. CAD982056582

CITY, STATE, ZIP San Ramon, Ca. 94583

Site:Highway 99 and Grapevine, Lebec Station #4734

PHONE NO. (510) 277-2368

CONTAINERS: No. 300828 VOLUME 18YDS WEIGHT

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Soil with Gas and Diesel

GENERATING PROCESS Removal of underground tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4.			8.		

PROPERTIES: pH Neutral ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal / Matthew Dutra 11/12/9

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Dillard Trucking, Inc.

EPA I.D. NO. CAD981692809

ADDRESS P. O. Box 218

SERVICE ORDER NO. 1431/33

CITY, STATE, ZIP Byron, California 94514

PICK UP DATE 11 12 92

PHONE NO. (510) 634-6850

TRUCK, UNIT, I.D. NO. 289

WALTER MOUGHLER Walter Moughler 11/12/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Laidlaw Environmental Services, Inc.

EPA I.D. NO. CAD980675276

DISPOSAL METHOD

ADDRESS 2500 Lokern Road

☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP Buttonwillow, California 93206-0787

PHONE NO. 800 544-7199

Roque Barrera Roque Barrera 11-13-97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS 48,780	165
TRANS		S B		
C/O		RT/CD	HWDF NONE	DISCREPANCY

☐ RCRA

☐ HAZARDOUS (NON-RCRA)

☒ NON HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W/O# [illegible]

WMU # 33 LOCATION [illegible]

6:25AM 11-13-92 80220 LB GR

07:16 AM 11 13 92
80220 LB
31440 LB TR
48780 LB NET

DATE 11-13-92

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

8653 (MANIFEST NO.) _____ (QUANTITY) tons _____ (RATE) $/ton

TRUCKING CO. DILLARD ☒ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN ☐ ROLL OFF ____ BINS ☐ FLAT BED ☐ ____

GENERATOR [illegible] (COMPANY) LEBEC (LOCATION) 4734 (STATION)

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS [illegible] DRIVER'S SIGNATURE X [illegible]

DESCRIPTION: ☒ SOLID ☐ LIQUID STATE ID # _____ EPA ID# _____

ON-SITE ID: ANALYST Derek [illegible] PROFILE# [illegible]

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	[illegible]	☒	☐	Sul(8A)	POS NEG	☒	☐	Absp(26)	PASS FAIL	☐	☐		55 GAL
Vis.(1)	[illegible]	☒	☐	Cya(9)	POS NEG	☒	☐	Flash	°F	☐	☐		85 GAL
pH (3)	[illegible]	☐	☐	F.L.(21)	YES NO	☒	☐	[illegible]		☒	☐		

COMMENTS: _____

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X [illegible]

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X _____

SAMPLING PROCEDURE

By [illegible]

☐ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC.
WEIGHMASTER

Gross by [illegible] Deputy

Tare By [illegible] Deputy

Truck # [illegible]

Truck Lic. No. _____

Trailer Lic. No. _____

Trailer Lic. No. _____

N-47884

8654

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: UNOCAL Marketing

ADDRESS: P. O. Box 5155

CITY, STATE, ZIP: San Ramon, Ca. 94583

Site: Highway 99 and Grapevine, Lebec
Station #4734

EPA I.D. NO.: C A D 9 8 2 0 5 6 5 8 2

PHONE NO.: ( ) 510 277-2368

CONTAINERS: No. 300825 VOLUME 18yrds. WEIGHT —

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: Soil with Gas and Diesel

GENERATING PROCESS: Removal of underground tank

COMPONENTS OF WASTE	PPM	%
1. Soil		99.9
2. Gasoline		<0.1
3. Diesel		<0.1
4.		
5.		
6.		
7.		
8.		

PROPERTIES: pH Neutral ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal Matthew Dutra 11/12/92
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME: Dillard Trucking, Inc.

EPA I.D. NO.: C A D 9 8 1 6 9 2 8 0 9

ADDRESS: P. O. Box 218
Byron, California 94514

SERVICE ORDER NO.: 1431/33

CITY, STATE, ZIP

PICK UP DATE: 11/12/92

PHONE NO.: (510) 634-6850

TRUCK, UNIT, I.D. NO.: 31

Steve Cossitt Steve Cossitt 11/12/92
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME: Laidlaw Environmental Services, Inc.

EPA I.D. NO.: C A D 9 8 0 6 7 5 2 7 6

ADDRESS: 2500 Lokern Road
Buttonwillow, California 93206-0787

DISPOSAL METHOD: ☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP

PHONE NO.: 800 544-7199

Roque Barrera Roque Barrera 11-13-92
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS 51,500	165
TRANS		S B		
C/O		RT/CD	HWDF NONE	DISCREPANCY

☐ RCRA

☐ HAZARDOUS (NON-RCRA)

☐ NON HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

WMU # 13 LOCATION

6:15AM 11-13-92 03600 LB GR

07:05 AM 11 13 92
83600 LB
32100 LB TR
51500 LB NET

DATE 11-13-92

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

MANIFEST NO. _____ QUANTITY _____ tons _____ RATE _____ $/ton

TRUCKING CO. Dillard ☒ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN ☐ ROLL OFF - _____ BINS ☐ FLAT BED ☐ _____

GENERATOR Unocal (COMPANY) LeBec (LOCATION) 4734 (STATION)

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS _____ DRIVER'S SIGNATURE X Steve Cassett

DESCRIPTION: ☒ SOLID ☐ LIQUID STATE ID # _____ EPA ID# _____

ON-SITE ID: ANALYST Derek Windows PROFILE# M. 92-N Unocal

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	Brown	☒	☐	Sul(8A)	POS NEG	☒	☐	Absp(26)	PASS FAIL	☐	☐		55 GAL
Vis.(1)	OK	☒	☐	Cya(9A)	POS NEG	☒	☐	Flash	°F	☐	☐		85 GAL
pH (3)	7.01	☒	☐	F.L.(21)	YES NO	☒	☐	Hcyp	0	☐	☐		

COMMENTS: _____

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X [signature]

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X [signature]

SAMPLING PROCEDURE

By Kim Craig

☒ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC.
WEIGHMASTER

Gross by [signature] Deputy

Tare By [signature] Deputy

Truck # 31

Truck Lic. No. CP04331

Trailer Lic. No. FT22041

Trailer Lic. No. _____

A-47883

8655

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME UNOCAL Marketing

ADDRESS P. O. Box 5155

EPA I.D. NO. CAD982056582

CITY, STATE, ZIP San Ramon, Ca. 94583

Site: Highway 99 and Grapevine, Lebec Station #4734

PHONE NO. (510) 277-2368

CONTAINERS: No. 300818 VOLUME 18 yds WEIGHT 1

TYPE: ☐ TANK TRUCK XX ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Soil with Gas and Diesel

GENERATING PROCESS Removal of underground tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4.			8.		

PROPERTIES: pH Neutral XX ☐ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal Matthew Dutra 11/13/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Dillard Trucking, Inc.

EPA I.D. NO. CAD981692809

ADDRESS P. O. Box 218

SERVICE ORDER NO. 1431/33

CITY, STATE, ZIP Byron, California 94514

PICK UP DATE 11/13/92

PHONE NO. (510) 634-6850

TRUCK, UNIT, I.D. NO. 86

Kenneth L Rayfield Kenneth L Rayfield 11/13/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Laidlaw Environmental Services, Inc.

EPA I.D. NO. CAD980675276

DISPOSAL METHOD

ADDRESS 2500 Lokern Road

☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP Buttonwillow, California 93206-0787

PHONE NO. 800 544-7199

Roger Barfield for Danny 11-13-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS 46,440	165	
TRANS		S B	49,300		
C/O		RT/CD	HWDF NONE	DISCREPANCY	

[redacted] Env[redacted]me[redacted]Se[redacted]s [redacted] W/O [redacted]

LAIDLAW (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

☐ HAZARDOUS (NON-RCRA)

☐ NON HAZARDOUS

WMU # [illegible] LOCATION

6:31AM 11-13-92 77360 LB GR

07:18 AM 11 13 92
80220 LB
30920 LB TR
07:[illegible] 92
77360 LB
30920 LB TR
46440 LB NET

DATE [illegible]

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

[illegible] MANIFEST NO. _____ QUANTITY _____ tons _____ RATE _____ $/ton

TRUCKING CO. [illegible] Dillard ☐ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN ☐ ROLL OFF - _____ BINS ☐ FLAT BED ☐ _____

GENERATOR [illegible] COMPANY LEBEC LOCATION 4734 STATION

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS _____ DRIVER'S SIGNATURE X [signature]

DESCRIPTION: ☒ SOLID ☐ LIQUID STATE ID # _____ EPA ID# _____

ON-SITE ID: ANALYST Derek Wooters PROFILE# M-92-N Unocal

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	Brown	☒	☐	Sul(8A)	POS NEG	☒	☐	Absp(26)	PASS FAIL	☐	☐		55 GAL
Vis.(1)	0+	☒	☐	Cya(9A)	POS NEG	☒	☐	Flash	[illegible] °F	☐	☐		85 GAL
pH (3)	[illegible]	☐	☐	F.L.(21)	YES NO	☒	☐			☐	☐		

COMMENTS: _____

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X [signature]

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X _____

SAMPLING PROCEDURE

By [signature]

☒ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC.
WEIGHMASTER

Gross by [signature] Deputy

Tare By _____ Deputy

Truck # 86

Truck Lic. No. 3L24801

Trailer Lic. No. 1116991 8

Trailer Lic. No. _____

~~B-47894~~ B-47894

8647

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: UNOCAL Marketing

ADDRESS: P. O. Box 5155

EPA I.D. NO.: CAD982056582

CITY, STATE, ZIP: San Ramon, Ca. 94583

Site: Highway 99 and Grapevine, Lebec Station #4734

PHONE NO.: (510) 277-2368

CONTAINERS: No. 310677 VOLUME: 18 yds WEIGHT: —

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: Soil with Gas and Diesel

GENERATING PROCESS: Removal of underground tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4.			8.		

PROPERTIES: pH Neutral ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthews Dutra for Unocal Matthews Dutra 11/13/92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TRANSPORTER

NAME: Dillard Trucking, Inc.

EPA I.D. NO.: CAD981692809

ADDRESS: P. O. Box 218

SERVICE ORDER NO.: 1431/33

CITY, STATE, ZIP: Byron, California 94514

PICK UP DATE: 11-13-92

PHONE NO.: (510) 634-6850

TRUCK, UNIT, I.D. NO.: 389

Robert Homer Robert Homer 11-13-92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

NAME: Laidlaw Environmental Services, Inc.

EPA I.D. NO.: CAD980675276

DISPOSAL METHOD

ADDRESS: 2500 Lokern Road

☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP: Buttonwillow, California 93206-0787

PHONE NO.: 800 544-7199

DEREK Windels Derek Windels 11-13-92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD/NEW	L	A	~~TONS~~ 435
TRANS		S	B	50,760
C/O		RT/CD		HWDF NONE

DISCREPANCY

[redacted]

☐ HAZARDOUS (NON-RCRA)

☐ NON-HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W/O [redacted]

WMU # _____ LOCATION _____

10:04AM 11-12-92 81980 LB GR

DATE _____

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

10:30 AM 11 12 92
81980 LB
31220 LB TR
50760 LB NET

_____ _____ tons _____ $/ton

MANIFEST NO. QUANTITY RATE

TRUCKING CO. _____ ☐ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN ☐ ROLL OFF - _____ BINS ☐ FLAT BED ☐ _____

GENERATOR _____ _____ _____

COMPANY LOCATION STATION

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS _____ DRIVER'S SIGNATURE X _____

DESCRIPTION: ☐ SOLID ☐ LIQUID STATE ID # _____ EPA ID# _____

ON-SITE ID: ANALYST _____ PROFILE# _____

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color		☐	☐	Sul(8A)	POS NEG	☐	☐	Absp(26)	PASS FAIL	☐	☐	_____	55 GAL
Vis.(1)		☐	☐	Cya(9A)	POS NEG	☐	☐	Flash	_____ °F	☐	☐	_____	85 GAL
pH (3)		☐	☐	F.L.(21)	YES NO	☐	☐			☑	☐	_____	

COMMENTS: _____

CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X _____

CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X _____

SAMPLING PROCEDURE

By _____

☐ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC. WEIGHMASTER

Gross by _____ Deputy

Tare By _____ Deputy

Truck # 389

Truck Lic. No. CP07731

Trailer Lic. No. 1UB6165

Trailer Lic. No. _____

~~B-47890~~ B-47893 8648

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME UNOCAL Marketing

ADDRESS P. O. Box 5155

EPA I.D. NO. C A D 9 8 2 0 5 6 5 8 2

CITY, STATE, ZIP San Ramon, Ca. 94583 Site:Highway 99 and Grapevine, Lebec Station #4734

PHONE NO. (510) 277-2368

CONTAINERS: No. 300826 VOLUME 15 yds WEIGHT —

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Soil with Gas and Diesel

GENERATING PROCESS Removal of underground tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4.			8.		

PROPERTIES: pH: Neutral ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal Matthew Dutra 11/13
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Dillard Trucking, Inc.

EPA I.D. NO. C A D 9 8 1 6 9 2 8 0 9

ADDRESS P. O. Box 218

SERVICE ORDER NO. 1431/33

CITY, STATE, ZIP Byron, California 94514

PICK UP DATE 11-13-92

PHONE NO. (510) 634-6850

TRUCK, UNIT, I.D. NO. 469-280

Bud Lawrence Bud Lawrence 11-13-92
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Laidlaw Environmental Services, Inc.

EPA I.D. NO. C A D 9 8 0 6 7 5 2 7 6

DISPOSAL METHOD

ADDRESS 2500 Lokern Road

☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP Buttonwillow, California 93206-0787

PHONE NO. 800 544-7199

Debbie Winders 11-13-92
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	~~TONS~~ 85	
TRANS		S B	48.820	
C/Q		RT/CD	HWDF NONE	DISCREPANCY

☐ [redacted]

☐ HAZARDOUS (NON-RCRA)

☐ NON HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W/O [redacted]

WMU # [redacted] LOCATION [redacted]

9:57AM 11-12-92 80120 LB GR

DATE [redacted]

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

11:23 AM 11 13 92
80120 LB
31360 LB TR
49820 LB NET

_____ _____ tons _____ $/ton

MANIFEST NO. QUANTITY RATE

TRUCKING CO. [redacted] ☒ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN ☐ ROLL OFF - _____ BINS ☐ FLAT BED ☐ _____

GENERATOR [redacted] [redacted] [redacted]

COMPANY LOCATION STATION

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS _____ DRIVER'S SIGNATURE X [redacted]

DESCRIPTION: ☐ SOLID ☐ LIQUID STATE ID # _____ EPA ID# _____

ON-SITE ID: ANALYST Derek Meinders PROFILE# [redacted]

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	Brown	☒	☐	Sul(8A)	POS (NEG)	☒	☐	Absp(26)	PASS FAIL	☐	☐	_____	55 GAL
Vis.(1)	OK	☒	☐	Cya(9A)	POS (NEG)	☒	☐	Flash	_____ °F	☐	☐	_____	85 GAL
pH (3)	7.45	☒	☐	F.L.(21)	YES (NO)	☒	☐	WCW	0	☒	☐	_____	_____

COMMENTS: _____

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X [redacted]

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X _____

SAMPLING PROCEDURE

By Derek Meinders

☒ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC. WEIGHMASTER

Gross by [redacted] Deputy

Tare By [redacted] Deputy

Truck # 459

Truck Lic. No. CP07723

Trailer Lic. No. 1V 6165

Trailer Lic. No. _____

B-477887 B-477890

8651

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: UNOCAL Marketing

ADDRESS: P. O. Box 5155

CITY, STATE, ZIP: San Ramon, Ca. 94583

EPA I.D. NO.: C A D 9 8 2 0 5 6 5 8 2

Site: Highway 99 and Grapevine, Lebec
Station #4734

PHONE NO.: 510 277-2368

CONTAINERS: No. 300860 VOLUME 18 yds WEIGHT

TYPE: ☐ TANK TRUCK ☒ DUMP THUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: Soil with Gas and Diesel

GENERATING PROCESS: Removal of underground tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4.			8.		

PROPERTIES: pH Neutral ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Datra for Unocal Matthew Datra 11/13
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME: Dillard Trucking, Inc.

EPA I.D. NO.: C A D 9 8 1 6 9 2 8 0 9

ADDRESS: P. O. Box 218
Byron, California 94514

SERVICE ORDER NO.: 1431/33

CITY, STATE, ZIP

PICK UP DATE: 11/13/92

PHONE NO.: (510) 634-6850

TRUCK, UNIT, I.D. NO.: 88

Jr Rogers Jr Rogers 11/13/92
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME: Laidlaw Environmental Services, Inc.

EPA I.D. NO.: C A D 9 8 0 6 7 5 2 7 6

ADDRESS: 2500 Lokern Road
Buttonwillow, California 93206-0787

DISPOSAL METHOD
☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP

PHONE NO.: 800 544-7199

Regina Barney Regina Barney 11-13-92
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L	A	TONS 47560 / 16 J	
TRANS		S	B		
C/Q		RT/CD		HWDF NONE	DISCREPANCY

☐ RCRA
☐ HAZARDOUS (NON-RCRA)
☐ NON HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W/O# [illegible]

WMU # 32 LOCATION [illegible]

9:21AM 11-13-92 30000 LB GR

DATE 11-13-92

WEIGHMASTER CERTIFICATE

10:03 AM 11 13 92
30000 LB
32440 LB TR
47560 LB NET

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

[illegible] (MANIFEST NO.) _____ (QUANTITY) tons _____ ($/ton RATE)

TRUCKING CO. Durand

☒ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN
☐ ROLL OFF - _____ BINS ☐ FLAT BED ☐ _____

GENERATOR [illegible] (COMPANY) LeBec (LOCATION) 47321 (STATION)

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS _____ DRIVER'S SIGNATURE X [signature]

DESCRIPTION: ☒ SOLID ☐ LIQUID STATE ID # _____ EPA ID# _____

ON-SITE ID: ANALYST [illegible] PROFILE# [illegible]

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	[illegible]	☐	☐	Sul(8A)	POS NEG	☑	☐	Absp(26)	PASS FAIL	☐	☐	_____	55 GAL
Vis.(1)	[illegible]	☐	☐	Cya(9A)	POS NEG	☐	☐	Flash	_____ °F	☐	☐	_____	85 GAL
pH (3)	[illegible]	☐	☐	F.L.(21)	YES NO	☐	☐	[illegible]	[illegible]	☐	☐	_____	_____

LAIDLAW ENVIRONMENTAL SERVICES
(LOKERN), INC.
WEIGHMASTER

COMMENTS: _____

Gross by [illegible] Deputy

Tare By [illegible] Deputy

Truck # [illegible]

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X [signature]

SAMPLING PROCEDURE

By [illegible]

☐ Scoop ☐ Coliwassa ☐ Thief

Truck Lic. No. [illegible]

Trailer Lic. No. [illegible]

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X _____

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

Trailer Lic. No. _____

N-47886

8652

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME UNOCAL Marketing

ADDRESS P. O. Box 5155

EPA I.D. NO. CAD982056582

CITY, STATE, ZIP San Ramon, Ca. 94583

Site: Highway 99 and Grapevine, Lebec Station #4734

PHONE NO. (510) 277-2368

CONTAINERS: No. 300860 VOLUME 184 WEIGHT

TYPE: ☐ TANK TRUCK XX ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Soil with Gas and Diesel

GENERATING PROCESS Removal of underground tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4.			8.		

PROPERTIES: pH Neutral XX ☐ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal Matthew Dutra 11/12/97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Dillard Trucking, Inc.

EPA I.D. NO. CAD981692809

ADDRESS P. O. Box 218

SERVICE ORDER NO. 1431/33

CITY, STATE, ZIP Byron, California 94514

PICK UP DATE 11/13/97

PHONE NO. (510) 634-6850

TRUCK, UNIT, I.D. NO. 88

J. Rogers J. Rogers 11/13/97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Laidlaw Environmental Services, Inc.

EPA I.D. NO. CAD980675276

ADDRESS 2500 Lokern Road

DISPOSAL METHOD

☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP Buttonwillow, California 93206-0787

PHONE NO. 800 544-7199

Tajma Barragan Tajma Barragan 11-13-97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS 47.600	145
TRANS		S B		
C/O		RT/CD	HWDF NONE	DISCREPANCY

☐ RCRA
☐ HAZARDOUS (NON-RCRA)
☐ NON HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W/O# 4) 177662

WMU # 33 LOCATION 4-1-)-K

6:13AM 11-13-92 00200 16 GR

07:01 AM 11 13 92
80200 LB
32600 LB TR
47600 LB NET

DATE 11-13-92

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

8652 (MANIFEST NO.) _____ (QUANTITY) _____ tons _____ $/ton (RATE)

TRUCKING CO. Dillard

☒ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN
☐ ROLL OFF · _____ BINS ☐ FLAT BED ☐ _____

GENERATOR Unocal (COMPANY) Lokern (LOCATION) 4734 (STATION)

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS _____ DRIVER'S SIGNATURE X G Rogers

DESCRIPTION: ☒ SOLID ☐ LIQUID STATE ID # _____ EPA ID# _____

ON-SITE ID: ANALYST Derek Mendoza PROFILE# 92 M. 92 V. Unocal

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	Brown	☒	☐	Sul(8A)	POS (NEG)	☒	☐	Absp(26)	PASS / FAIL	☐	☐	_____	55 GAL
Vis.(1)	ok	☒	☐	Cya(9A)	POS (NEG)	☒	☐	Flash N/A	°F	☐	☐	_____	85 GAL
pH (3)	7.41	☒	☐	F.L.(21)	YES (NO)	☒	☐	Hexp 0		☐	☐	_____	_____

COMMENTS: _____

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC.
WEIGHMASTER

Gross by _____ Deputy

Tare By _____ Deputy

Truck # 52

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X _____

SAMPLING PROCEDURE

By _____

☒ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

Truck Lic. No. _____

Trailer Lic. No. _____

Trailer Lic. No. _____

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X _____

A-47881

8656

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: UNOCAL Marketing

ADDRESS: P. O. Box 5155

EPA I.D. NO.: CAD982056582

CITY, STATE, ZIP: San Ramon, Ca. 94583 Site: Highway 99 and Grapevine, Lebec Station #4734

PHONE NO.: (510) 277-2368

CONTAINERS: No. 300810 VOLUME 18Y WEIGHT

TYPE: ☐ TANK TRUCK XX☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: Soil with Gas and Diesel

GENERATING PROCESS: Removal of underground tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4.			8.		

PROPERTIES: Neutral pH XX☐ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal Matthew Dutra 11/13/

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME: Dillard Trucking, Inc.

EPA I.D. NO.: CAD981692809

ADDRESS: P. O. Box 218

SERVICE ORDER NO.: 1431/33

CITY, STATE, ZIP: Byron, California 94514

PICK UP DATE: 11-13-92

PHONE NO.: (510) 634-6850

TRUCK, UNIT, I.D. NO.: 39

JIM FERREIRA Jim Ferreira 11-13-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME: Laidlaw Environmental Services, Inc.

EPA I.D. NO.: CAD980675276

DISPOSAL METHOD: ☒ LANDFILL ☐ OTHER

ADDRESS: 2500 Lokern Road

CITY, STATE, ZIP: Buttonwillow, California 93206-0787

PHONE NO.: 800 544-7199

Roque Barraza [signature] 11-13-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	50,320
C/O		RT/CD	HWDF NONE

165

DISCREPANCY

☐ RCRA

☐ HAZARDOUS (NON-RCRA)

☑ NON HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W/O# [illegible]

WMU # 33 LOCATION [illegible]

6:33AM 11-13-92 80540 LB GR

07:22 AM 11 13 92
80540 LB
30220 LB TR
50320 LB NET

DATE 11-13-92

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

8656 (MANIFEST NO.) _____ (QUANTITY) tons _____ (RATE) $/ton

TRUCKING CO. [illegible]

☑ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN
☐ ROLL OFF - ____ BINS ☐ FLAT BED ☐ ____

GENERATOR [illegible] (COMPANY) LeBee (LOCATION) 4734 (STATION)

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS _____ DRIVER'S SIGNATURE X [illegible]

DESCRIPTION: ☑ SOLID ☐ LIQUID STATE ID # _____ EPA ID# _____

ON-SITE ID: ANALYST [illegible] PROFILE# [illegible]

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	[illegible]	☑	☐	Sul(8A)	POS NEG	☑	☐	Absp(26)	PASS FAIL	☐	☐		55 GAL
Vis.(1)	OK	☑	☐	Cya(9A)	POS NEG	☑	☐	Flash	°F	☐	☐		85 GAL
pH (3)	[illegible]	☑	☐	F.L.(21)	YES NO	☐	☐	[illegible]		☐	☐		

COMMENTS: _____

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X [illegible]

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X _____

SAMPLING PROCEDURE

By [illegible]

☑ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC.
WEIGHMASTER

Gross by [illegible] Deputy

Tare By [illegible] Deputy

Truck # [illegible]

Truck Lic. No. _____

Trailer Lic. No. [illegible]

Trailer Lic. No. _____

R-47882

8657

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME UNOCAL Marketing

ADDRESS P. O. Box 5155

EPA I.D. NO. C A D 9 8 2 0 5 6 5 8 2

CITY, STATE, ZIP San Ramon, Ca. 94583

Site: Highway 99 and Grapevine, Lebec Station #4734

PHONE NO. (510) 277-2368

CONTAINERS: No. 300826 VOLUME 18 yds WEIGHT —

TYPE: ☐ TANK TRUCK ☒ DUMP THUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Soil with Gas and Diesel

GENERATING PROCESS Removal of underground tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4.			8.		

PROPERTIES: pH Neutral ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal Matthew Dutra 11/13/9

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Dillard Trucking, Inc.

EPA I.D. NO. C A D 9 8 1 6 9 2 8 0 9

ADDRESS P. O. Box 218

SERVICE ORDER NO. 1431/33

CITY, STATE, ZIP Byron, California 94514

PICK UP DATE

PHONE NO. (510) 634-6850

TRUCK, UNIT, I.D. NO. 489-280

Bud Lawrence Bud Lawrence 11-12-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Laidlaw Environmental Services, Inc.

EPA I.D. NO. C A D 9 8 0 6 7 5 2 7 6

DISPOSAL METHOD

ADDRESS 2500 Lokern Road

☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP Buttonwillow, California 93206-0787

PHONE NO. 800 544-7199

Rogan Barrera Rogan Barrera 11-13-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN.	OLD/NEW	L A	TONS 47,640	165
TRANS		S B		
C/O		RT/CD	HWDF NONE	DISCREPANCY

☐ RCRA

☐ HAZARDOUS (NON-RCRA)

☒ NON HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W/O# A 47587

WMU # 33 LOCATION (1 -) [illegible]

DATE 11-13-92

6:20AM 11-13-92 79100 lb GR

07:10 AM 11 13 92
79100 LB
31460 LB TR
47640 LB NET

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

8657 MANIFEST NO. _____ QUANTITY _____ tons _____ RATE $/ton

TRUCKING CO. Dillard ☐ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN ☐ ROLL OFF _____ BINS ☐ FLAT BED ☐ _____

GENERATOR Unocal COMPANY Lebec LOCATION 4734 STATION

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS _____ DRIVER'S SIGNATURE X [signature]

DESCRIPTION: ☒ SOLID ☐ LIQUID STATE ID # _____ EPA ID# _____

ON-SITE ID: ANALYST Derek [illegible] PROFILE# 21-92-21 Unocal

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	[illegible]	☒	☐	Sul(8A)	POS NEG	☒	☐	Absp(26)	PASS FAIL	☐	☐		55 GAL
Vis.(1)	OK	☐	☐	Cya(9 ☐)	POS NEG	☒	☐	Flash	°F	☐	☐		85 GAL
pH (3)	[illegible]	☐	☐	F.L.(21)	YES NO	☒	☐	[illegible]	0	☒	☐		

COMMENTS: _____

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X [signature]

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X [signature]

SAMPLING PROCEDURE

By [signature]

☐ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC.
WEIGHMASTER

Gross by [signature] Deputy

Tare By [signature] Deputy

Truck # [illegible]

Truck Lic. No. [illegible]

Trailer Lic. No. [illegible]

Trailer Lic. No. _____

b-47880

8658

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: UNOCAL Marketing

ADDRESS: P. O. Box 5155

EPA I.D. NO.: C A D 9 8 2 0 5 6 5 8 2

CITY, STATE, ZIP: San Ramon, Ca. 94583

Site: Highway 99 and Grapevine, Lebec Station #4734

PHONE NO.: 510 277-2368

CONTAINERS: No. 300827 VOLUME: 18 yds WEIGHT: —

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: Soil with Gas and Diesel

GENERATING PROCESS: Removal of underground tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4.			8.		

PROPERTIES: pH Neutral ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal Matthew Dutra 11/13/92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TRANSPORTER

NAME: Dillard Trucking, Inc.

EPA I.D. NO.: C A D 9 8 1 6 9 2 8 0 9

ADDRESS: P. O. Box 218

SERVICE ORDER NO.: 1431/33

CITY, STATE, ZIP: Byron, California 94514

PICK-UP DATE: 11-12-92

PHONE NO.: (510) 634-6850

TRUCK, UNIT, I.D. NO.: 389

Robert Hosmer

TYPED OR PRINTED FULL NAME & SIGNATURE

Robert Hosmer 11-12-92

DATE

TSD FACILITY

NAME: Laidlaw Environmental Services, Inc.

EPA I.D. NO.: C A D 9 8 0 6 7 5 2 7 6

ADDRESS: 2500 Lokern Road

DISPOSAL METHOD: ☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP: Buttonwillow, California 93206-0787

PHONE NO.: 800 544-7199

Roger Barrera for Barney

TYPED OR PRINTED FULL NAME & SIGNATURE

11-13-92

DATE

GEN	OLD/NEW	L	A	TONS 49,920 / 165	
TRANS		S	B		
C/O		RT/CD		HWDF NONE	DISCREPANCY

☐ RCRA

☐ HAZARDOUS (NON-RCRA)

☒ NON HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W/O# [illegible]

WMU # 32 LOCATION 11-J-1

DATE 11-13-92

6:22AM 11-13-92 81300 LB GR

07:13 AM 11 13 92
81300 LB
31380 LB TR
49920 LB NET

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

8655		tons		$/ton
MANIFEST NO.	QUANTITY		RATE	

TRUCKING CO. Dillard

☒ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN
☐ ROLL OFF ____ BINS ☐ FLAT BED ☐ ____

GENERATOR [illegible] LEBEC 47341
COMPANY LOCATION STATION

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS ____ DRIVER'S SIGNATURE X [signature]

DESCRIPTION: ☒ SOLID ☐ LIQUID STATE ID # ____ EPA ID# ____

ON-SITE ID: ANALYST Dave Williams PROFILE# 711-92-27 Annual

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	Brown	☒	☐	Sul(8A)	POS (NEG)	☒	☐	Absp(26)	PASS FAIL	☐	☐	____	55 GAL
Vis.(1)	OK	☒	☐	Cya(9)	POS (NEG)	☒	☐	Flash	____ °F	☐	☐	____	85 GAL
pH (3)	5.72	☒	☐	F.L.(21)	YES (NO)	☒	☐	Hexp	0	☐	☐	____	____

COMMENTS: ____

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X [signature]

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X ____

SAMPLING PROCEDURE

By [signature]

☒ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC.
WEIGHMASTER

Gross by [signature]
Deputy

Tare By [signature]
Deputy

Truck # 351

Truck Lic. No. [illegible]

Trailer Lic. No. [illegible]

Trailer Lic. No. ____

RO-47879

8659

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: UNOCAL Marketing

ADDRESS: P. O. Box 5155

EPA I.D. NO.: C A D 9 8 2 0 5 6 5 8 2

CITY, STATE, ZIP: San Ramon, Ca. 94583

Site: Highway 99 and Grapevine, Lebec Station #4734

PHONE NO.: (510) 277-2368

CONTAINERS: No. 300819 VOLUME 18 yds WEIGHT

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: Soil with Gas and Diesel

GENERATING PROCESS: Removal of underground tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil	99.9		5.		
2. Gasoline	<0.1		6.		
3. Diesel	<0.1		7.		
4.			8.		

PROPERTIES: pH Neutral ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal Matthew Dutra 11/13/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME: Dillard Trucking, Inc.

EPA I.D. NO.: C A D 9 8 1 6 9 2 8 0 9

ADDRESS: P. O. Box 218

SERVICE ORDER NO.: 1431/33

CITY, STATE, ZIP: Byron, California 94514

PICK UP DATE: 11/12/92

PHONE NO.: (510) 634-6850

TRUCK, UNIT, I.D. NO.: 189, 210

Bill Lee

TYPED OR PRINTED FULL NAME & SIGNATURE

11/12/92

DATE

TSD FACILITY

NAME: Laidlaw Environmental Services, Inc.

EPA I.D. NO.: C A D 9 8 0 6 7 5 2 7 6

DISPOSAL METHOD

ADDRESS: 2500 Lokern Road

☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP: Buttonwillow, California 93206-0787

PHONE NO.: 800 544-7199

Roger Broadbent

TYPED OR PRINTED FULL NAME & SIGNATURE

11-13-92

DATE

GEN	OLD/NEW	L A	TONS	105
TRANS		S B	51,560	
C/O		RT/CD	HWDF NONE	DISCREPANCY

215856

☐ RCRA
☐ HAZARDOUS (NON-RCRA)
☑ NON HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W/O# A47879

WMU # 33 LOCATION - -

6:10AM 11-13-92 83160 LB GR

DATE 11-13-92

07:08 AM 11 13 92
83160 LB
31600 LB TR
51560 LB NET

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

8659 (MANIFEST NO.) _____ (QUANTITY) tons _____ (RATE) $/ton

TRUCKING CO. Dillard ☑ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN ☐ ROLL OFF - ____ BINS ☐ FLAT BED ☐ ____

GENERATOR [illegible] (COMPANY) Lebec (LOCATION) 4734 (STATION)

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS _____ DRIVER'S SIGNATURE X [signature]

DESCRIPTION: ☑ SOLID ☐ LIQUID STATE ID # _____ EPA ID# _____

ON-SITE ID: ANALYST Derek Windsor PROFILE# M. 92 - N. [illegible]

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	[illegible]	☑	☐	Sul(8A)	POS NEG	☑	☐	Absp(26)	PASS FAIL	☐	☐		55 GAL
Vis.(1)	[illegible]	☑	☐	Cya(9A)	POS NEG	☑	☐	Flash	[illegible] °F	☐	☐		85 GAL
pH (3)	[illegible]	☑	☐	F.L.(21)	YES NO	☑	☐	[illegible]	[illegible]	☐	☐		

COMMENTS: _____

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X [signature]

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X _____

SAMPLING PROCEDURE

By [signature]

☐ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC.
WEIGHMASTER

Gross by [signature] Deputy

Tare By [signature] Deputy

Truck # 159

Truck Lic. No. CP07729

Trailer Lic. No. [illegible]

Trailer Lic. No. _____

G-47878
B-47860 8660

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: UNOCAL Marketing

ADDRESS: P. O. Box 5155

CITY, STATE, ZIP: San Ramon, Ca. 94583

EPA I.D. NO.: CAD982056582

Site: Highway 99 and Grapevine, Lebec Station #4734

PHONE NO.: 510 277-2368

CONTAINERS: No. 300860 VOLUME 18 yds WEIGHT ———

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: Soil with Gas and Diesel

GENERATING PROCESS: Removal of underground tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4.			8.		

PROPERTIES: pH Neutral ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal Matthew Dutra 11/12/92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TRANSPORTER

NAME: Dillard Trucking, Inc.

EPA I.D. NO.: CAD981692809

ADDRESS: P. O. Box 218

CITY, STATE, ZIP: Byron, California 94514

SERVICE ORDER NO.: 1431/33

PICK UP DATE: 11/12/92

PHONE NO.: (510) 634-6850

TRUCK, UNIT, I.D. NO.: 88

Jr Rogers J Rogers 11/12/92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

NAME: Laidlaw Environmental Services, Inc.

EPA I.D. NO.: CAD980675276

DISPOSAL METHOD: ☒ LANDFILL ☐ OTHER

ADDRESS: 2500 Lokern Road

CITY, STATE, ZIP: Buttonwillow, California 93206-0787

PHONE NO.: 800 544-7199

L. Gabriel Ortega J Gabriel Ort 11-12-9

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD/NEW	L A	~~TONS~~ LBS	
TRANS		S B	46,820	
C/O		RT/CD	HWDF NONE	DISCREPANCY

215842

☐ RCRA

☐ HAZARDOUS (NON-RCRA)

☒ NON HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W/O# B-47960

WMU # 33 LOCATION 5-J-12

5:40PM 11-12-92 79540 LB GR

DATE 11-12-92

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

06:29 PM 11 12 92
79540 LB
32720 LB TR
46820 LB NET

8660 (MANIFEST NO.) _____ (QUANTITY) tons _____ (RATE) $/ton

TRUCKING CO. Dillard ☒ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN ☐ ROLL OFF - ____ BINS ☐ FLAT BED ☐ ____

GENERATOR Unocal (COMPANY) Grapevine (LOCATION) 4734 (STATION)

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS _____ DRIVER'S SIGNATURE X [signature]

DESCRIPTION: ☒ SOLID ☐ LIQUID STATE ID # _____ EPA ID# _____

ON-SITE ID: ANALYST Gabriel Ortega PROFILE# M92-N-Unocal

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	Brn	☒	☐	Sul(8A)	POS NEG	☒	☐	Absp(26)	PASS FAIL	☐	☐		55 GAL
Vis.(1)	OK	☒	☐	Cya(9A)	POS NEG	☒	☐	Flash	°F	☐	☐		85 GAL
pH (3)	6.60	☒	☐	F.L.(21)	YES NO	☒	☐	NCVP	20	☒	☐		

COMMENTS: _____

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X [signature]

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X [signature]

SAMPLING PROCEDURE

By Gabriel Ortega

☒ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC.
WEIGHMASTER

Gross by [signature] Deputy

Tare By [signature] Deputy

Truck # 88

Truck Lic. No. [illegible]

Trailer Lic. No. [illegible]

Trailer Lic. No. _____

C-47870

8661

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: UNOCAL Marketing

ADDRESS: P. O. Box 5155

EPA I.D. NO.: CAD982056582 (7/94 86)

CITY, STATE, ZIP: San Ramon, Ca. 94583

Site: Highway 99 and Grapevine, Lebec Station #4734

PHONE NO.: 510 277-2368

CONTAINERS: No. 300825 VOLUME 18yd WEIGHT

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: Soil with Gas and Diesel

GENERATING PROCESS: Removal of underground tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4.			8.		

PROPERTIES: pH Neutral ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Acceptance M-92-N; Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal Matthew Dutra 11/12/92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TRANSPORTER

NAME: Dillard Trucking, Inc.

EPA I.D. NO.: CAD981692809

ADDRESS: P.O. Box 218

SERVICE ORDER NO.: 1431/33

CITY, STATE, ZIP: Byron, California 94514

PICK UP DATE: 11/12/92

PHONE NO.: 510 634-6850

TRUCK, UNIT, I.D. NO.: 31

Steve Bassett Steve Bassett 11/12/92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

No Fuel

TSD FACILITY

NAME: Laidlaw Environmental Services, Inc.

EPA I.D. NO.: CAD980675276

DISPOSAL METHOD: ☒ LANDFILL ☐ OTHER

ADDRESS: 2500 Lokern Road

CITY, STATE, ZIP: Buttonwillow, California 93206-0787

PHONE NO.: 800 544-7199

Gabriel Ortega Gabriel Ortega 11-12-92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD/NEW	L A	~~TONS~~ lbs	
TRANS		S B	43,400	
C/O		RT/CD	HWDF NONE	DISCREPANCY

☐ RCRA

☐ HAZARDOUS (NON-RCRA)

☒ NON HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W/O# C-97577

WMU # 33 LOCATION 5-J-16

5:53PM 11-12-92 75640 lb GR

DATE 11-12-92

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

06:23 PM 11 12 92
75640 LB
32240 LB TR
43400 LB NET

8661 (MANIFEST NO.) _____ (QUANTITY) tons _____ (RATE) $/ton

TRUCKING CO. Dillard Trkg ☒ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN ☐ ROLL OFF - ____ BINS ☐ FLAT BED ☐ ____

GENERATOR Unocal (COMPANY) Lebec (LOCATION) 4734 (STATION)

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS _____ DRIVER'S SIGNATURE X [signature]

DESCRIPTION: ☒ SOLID ☐ LIQUID STATE ID # _____ EPA ID# _____

ON-SITE ID: ANALYST Gabe Ortega PROFILE# M92-N-Unocal

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	Brn	☒	☐	Sul(8A)	POS NEG	☒	☐	Absp(26)	PASS FAIL	☐	☐		55 GAL
Vis.(1)	OK	☒	☐	Cya(9A)	POS NEG	☒	☐	Flash	°F	☐	☐		85 GAL
pH (3)	6.58	☒	☐	F.L.(21)	YES NO	☒	☐	Hcup	Ø	☒	☐		

COMMENTS: _____

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC.
WEIGHMASTER

Gross by [signature] Deputy

Tare By [signature] Deputy

Truck # 31

Truck Lic. No. CP04531

Trailer Lic. No. F722041

Trailer Lic. No. _____

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X [signature]

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X [signature]

SAMPLING PROCEDURE

By Gabriel Ortega

☒ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

C47876

8662

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME UNOCAL Marketing

ADDRESS P. O. Box 5155

EPA I.D. NO. CAD982056582

CITY, STATE, ZIP San Ramon, Ca. 94583

Site: Highway 99 and Grapevine, Lebec Station #4734

PHONE NO (510) 277-2368

CONTAINERS: No. 300819 VOLUME 184 WEIGHT

TYPE: ☐ TANK TRUCK XX ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Soil with Gas and Diesel

GENERATING PROCESS Removal of underground tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4.			8.		

PROPERTIES: pH Neutral XX ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal Matthew Dutra 11/12/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Dillard Trucking, Inc.

EPA I.D. NO. CAD981692809

ADDRESS P. O. Box 218

SERVICE ORDER NO. 1431/33

CITY, STATE, ZIP Byron, California 94514

PICK UP DATE 11/12/92

PHONE NO. (510) 634-6850

TRUCK, UNIT, I.D. NO. 189-210 Bill Lee 11-12-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Laidlaw Environmental Services, Inc.

EPA I.D. NO. CAD980675276

DISPOSAL METHOD

ADDRESS 2500 Lokern Road

☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP Buttonwillow, California 93206-0787

PHONE NO. 800 544-7199

Jack Daniels Jack Daniels 11-12-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	~~TONS~~ 44460	LBS	
TRANS		S B			
C/O		RT/CD	HWDF NONE	DISCREPANCY	

☐ RCRA

☐ HAZARDOUS (NON-RCRA)

☒ NON HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W/O# C-47876

WMU # 33 LOCATION S-J-16

4:59PM 11-12-92 76220 LB GR

DATE 11-12-92

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

9662 _____ tons _____ $/ton

MANIFEST NO. QUANTITY RATE

TRUCKING CO. Dillard ☒ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN ☐ ROLL OFF - _____ BINS ☐ FLAT BED ☐ _____

GENERATOR Unocal COMPANY Lokec LOCATION 4734 STATION

05:32 PM 11 12 92
76220 LB
31760 LB TR
44460 LB NET

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS _____ DRIVER'S SIGNATURE X _____

DESCRIPTION: ☒ SOLID ☐ LIQUID STATE ID # _____ EPA ID# _____

ON-SITE ID: ANALYST Jack Daniels PROFILE# ~~M92-N-Unocal~~ M92-N-Unocal

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	Brn	☒	☐	Sul(8A)	POS (NEG)	☒	☐	Absp(26)	PASS FAIL	☐	☐	_____	55 GAL
Vis.(1)	OK	☐	☐	Cya(9A)	POS (NEG)	☒	☐	Flash	_____ °F	☐	☐	_____	65 GAL
pH (3)	8.26	☒	☐	F.L.(21)	YES (NO)	☒	☐	NVP	70	☒	☐	_____	_____

COMMENTS: _____

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X _____

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X _____

SAMPLING PROCEDURE

By Gabriel D. Lyon

☒ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC.
WEIGHMASTER

Gross by _____ Deputy

Tare By _____ Deputy

Truck # 124

Truck Lic. No. 9777

Trailer Lic. No. 1179177

Trailer Lic. No. _____

2-47875

8663

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: UNOCAL Marketing

ADDRESS: P. O. Box 5155

CITY, STATE, ZIP: San Ramon, Ca. 94583

EPA I.D. NO.: C A D 9 8 2 0 5 6 5 8 2

Site: Highway 99 and Grapevine, Lebec Station #4734

PHONE NO.: ( ) 510 277-2368

CONTAINERS: No. 300878 VOLUME 18 yds WEIGHT

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: Soil with Gas and Diesel

GENERATING PROCESS: Removal of underground tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4.			8.		

PROPERTIES: pH Neutral ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal Matthew Dutra 11/12/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME: Dillard Trucking, Inc.

EPA I.D. NO.: C A D 9 8 1 6 9 2 8 0 9

ADDRESS: P. O. Box 218

SERVICE ORDER NO.: 1431/33

CITY, STATE, ZIP: Byron, California 94514

PICK UP DATE: 11 12 92

PHONE NO.: (510) 634-6850

TRUCK, UNIT, I.D. NO.: 289

Walter Maughler Walter Maughler 11/12/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME: Laidlaw Environmental Services, Inc.

EPA I.D. NO.: C A D 9 8 0 6 7 5 2 7 6

ADDRESS: 2500 'Lokern Road

DISPOSAL METHOD: ☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP: Buttonwillow, California 93206-0787

PHONE NO.: 800 544-7199

Gabriel Ortega Gabriel Ortega 11-12-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	~~TONS~~ lbs	
TRANS		S B	47,720	
C/O		RT/CD	HWDF NONE	DISCREPANCY

☐ RCRA
☐ HAZARDOUS (NON-RCRA)
☒ NON HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.
2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W/O# 41875
WMU # 33 LOCATION S-J+U

5:55PM 11-12-92 79320 lb GR

DATE 11-12-92

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

06:26 PM 11 12 92
79320 LB
31600 LB TR
47720 LB NET

8663 (MANIFEST NO.) _____ (QUANTITY) tons _____ (RATE) $/ton

TRUCKING CO. Dillard ☒ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN ☐ ROLL OFF - ____ BINS ☐ FLAT BED ☐ ____

GENERATOR Unocal # (COMPANY) Lebec (LOCATION) # 4734 (STATION)

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS _____ DRIVER'S SIGNATURE X [signature]

DESCRIPTION: ☒ SOLID ☐ LIQUID STATE ID # _____ EPA ID# _____

ON-SITE ID: ANALYST Gabe Ortega PROFILE# M97-N-Unocal

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	Brn	☒	☐	Sul(8A)	POS NEG	☒	☐	Absp(26)	PASS FAIL	☐	☐		55 GAL
Vis.(1)	OC	☐	☐	Cya(9A)	POS NEG	☒	☐	Flash	°F	☐	☐		85 GAL
pH (3)	700	☒	☐	F.L.(21)	YES NO	☐	☐	Acid	Ø	☒	☐		

COMMENTS: _____

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X [signature]

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X [signature]

SAMPLING PROCEDURE

By Gabe Ortega

☐ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC.
WEIGHMASTER

Gross by [signature] Deputy

Tare By [signature] Deputy

Truck # 289

Truck Lic. No. _____

Trailer Lic. No. _____

Trailer Lic. No. _____

2-47678 8664

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME UNOCAL Marketing

ADDRESS P. O. Box 5155 Site:Highway 99 and Grapevine, Lebec

CITY, STATE, ZIP San Ramon, Ca. 94583 Station #4734

EPA I.D. NO. CAD982056582

PHONE NO. 510 277-2368

CONTAINERS: No. 300 & 27 VOLUME 18 yd WEIGHT

TYPE: ☐ TANK TRUCK XX ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Soil with Gas and Diesel

GENERATING PROCESS Removal of underground tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4.			8.		

PROPERTIES: pH Neutral XX SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal Matthew Dutra 11/12/92
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Dillard Trucking, Inc.

EPA I.D. NO. CAD981692809

ADDRESS P. O. Box 218

SERVICE ORDER NO 1431/33

CITY, STATE, ZIP Byron, California 94514

PICK UP DATE 11-12-92

PHONE NO. (510) 634-6850

TRUCK, UNIT, I.D. NO. 389

Robert Hosmer Robt Hosmer 11-12-92
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Laidlaw Environmental Services, Inc.

EPA I.D. NO. CAD980675276

DISPOSAL METHOD

ADDRESS 2500 Lokern Road

☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP Buttonwillow, California 93206-0787

PHONE NO. 800 544-7199

Jack Daniels Jack Daniels 11-12-92
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L	~~A~~	~~TONS~~
TRANS		S	B	48680 LBS
C/O		RT/CD		HWDF NONE

DISCREPANCY

☐ RCRA

☐ HAZARDOUS (NON-RCRA)

☒ NON HAZARDOUS

LAIDLAW

Environmental Services (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W/O# C-9184

WMU # 32 LOCATION S-J-10

DATE 11-12-92

5:03PM 11-12-92 80200 LB GR

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

5564 _____ tons _____ $/ton

MANIFEST NO. QUANTITY RATE

05:36 PM 11 12 92
80200 LB
31520 LB TR
48680 LB NET

TRUCKING CO. D. Hall ☒ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN ☐ ROLL OFF - _____ BINS ☐ FLAT BED ☐ _____

GENERATOR Unocal Guadalupe 4734

COMPANY LOCATION STATION

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS _____ DRIVER'S SIGNATURE X Walt Hoover

DESCRIPTION: ☒ SOLID ☐ LIQUID STATE ID # _____ EPA ID# _____

ON-SITE ID: ANALYST Jeff Jack Davis PROFILE# M92-N-Unocal

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	Brown	☒	☐	Sul(8A)	POS NEG	☒	☐	Absp(26)	PASS FAIL	☐	☐	_____	55 GAL
Vis.(1)	0.1"	☒	☐	Cya(9 6)	POS NEG	☒	☐	Flash	>140 °F	☐	☐	_____	85 GAL
pH (3)	7.47	☒	☐	F.L.(21)	YES NO	☒	☐	Paint Filter		☒	☐	_____	_____

COMMENTS: _____

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X _____

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X _____

SAMPLING PROCEDURE

By Gabe Ortega

☐ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC.
WEIGHMASTER

Gross by _____ Deputy

Tare By Mark Davis Deputy

Truck # 359

Truck Lic. No. 7N 734

Trailer Lic. No. 6W465

Trailer Lic. No. _____

L-47673

8665

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: UNOCAL Marketing

ADDRESS: P. O. Box 5155

CITY, STATE, ZIP: San Ramon, Ca. 94583

EPA I.D. NO.: C A D 9 8 2 0 5 6 5 8 2

Site: Highway 99 and Grapevine, Lebec Station #4734

PHONE NO.: 510 277-2368

CONTAINERS: No. 300826 VOLUME 150 yds WEIGHT

TYPE: ☐ TANK TRUCK XX ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER Removal of underground tank

WASTE DESCRIPTION: Soil with Gas and Diesel

GENERATING PROCESS

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4. Neutral			8.		

PROPERTIES: pH ____ XX ☐ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal Matthew Dutra 11/12/92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TRANSPORTER

NAME: Dillard Trucking, Inc.

EPA I.D. NO.: C A D 9 8 1 6 9 2 8 0 9

ADDRESS: P. O. Box 218 Byron, California 94514

SERVICE ORDER NO.: 1431/33

CITY, STATE, ZIP:

PICK UP DATE:

PHONE NO.: 510 634-6850

TRUCK, UNIT, I.D. NO.: 489-280

Bud Lawrence Bud Lawrence 11/12

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

NAME: Laidlaw Environmental Services, Inc.

EPA I.D. NO.: C A D 9 8 0 6 7 5 2 7 6

ADDRESS: 2500 Lokern Road Buttonwillow, California 93206-0787

DISPOSAL METHOD: ☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP:

PHONE NO.: 800 544-7199

Glenn Dedini 11-12-92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD/NEW	L A	TONS lb
TRANS		S B	50,420
C/O		RT/CD	HWDF NONE

DISCREPANCY

☐ RCRA
☐ HAZARDOUS (NON-RCRA)
☒ NON HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W/O# C-4797
WMU # 33 LOCATION S-J-10

5:30PM 11-12-92 82020 LB GR

05:59 PM 11 12 92
82020 LB
31600 LB TR
50420 LB NET

DATE 11-12-92

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

8665 (MANIFEST NO.) _____ (QUANTITY) tons _____ (RATE) $/ton

TRUCKING CO. Dillard

☒ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN
☐ ROLL OFF _____ BINS ☐ FLAT BED ☐ _____

GENERATOR Unocal (COMPANY) Grapevine (LOCATION) 4734 (STATION)

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS _____ DRIVER'S SIGNATURE X [signature]

DESCRIPTION: ☒ SOLID ☐ LIQUID STATE ID # _____ EPA ID# _____

ON-SITE ID: ANALYST Jack Daniels PROFILE# M92-N-Unocal

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	[illegible]	☒	☐	Sul(8A)	POS NEG	☒	☐	Absp(26)	PASS FAIL	☐	☐		55 GAL
Vis.(1)	[illegible]	☒	☐	Cya(9)	POS NEG	☒	☐	Flash	NA °F	☐	☐		85 GAL
pH (3)	[illegible]	☒	☐	F.L.(21)	YES NO	☒	☐	NCVP	40	☒	☐		

COMMENTS: _____

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 39-150.

SIGNATURE OF TSDF OPERATOR X [signature]

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X [signature]

SAMPLING PROCEDURE

By [signature]

☒ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC.
WEIGHMASTER

Gross by [signature] Deputy

Tare By [signature] Deputy

Truck # 481

Truck Lic. No. [illegible]

Trailer Lic. No. [illegible]

Trailer Lic. No. _____

C-47672 8666

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME UNOCAL Marketing

ADDRESS P. O. Box 5155

EPA I.D. NO. C A D 9 8 2 0 5 6 5 8 2

CITY, STATE, ZIP San Ramon, Ca. 94583 Site:Highway 99 and Grapevine, Lebec Station #4734

PHONE NO. (510) 277-2368

CONTAINERS: No. 300 810 VOLUME 18 yds WEIGHT

TYPE: ☐ TANK TRUCK XX ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Soil with Gas and Diesel

GENERATING PROCESS Removal of underground tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4.			8.		

PROPERTIES: pH Neutral XX ☐ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal Matthew Dutra 11/12/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Dillard Trucking, Inc.

EPA I.D. NO. C A D 9 8 1 6 9 2 8 0 9

ADDRESS P. O. Box 218

SERVICE ORDER NO. 1431/33

CITY, STATE, ZIP Byron, California 94514

PICK UP DATE 11-12-92

PHONE NO. (510) 634-6850

TRUCK, UNIT, I.D. NO. 39

JIM FERREIRA Jim Ferreira 11-12-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Laidlaw Environmental Services, Inc.

EPA I.D. NO. C A D 9 8 0 6 7 5 2 7 6

ADDRESS 2500 Lokern Road

DISPOSAL METHOD

☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP Buttonwillow, California 93206-0787

PHONE NO. 800 544-7199

Gabriel Ortega J. Gabriel Ortega 11-12-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS lbs	
TRANS		S B	47,400	
C/O		RT/CD	HWDF NONE	DISCREPANCY

☐ RCRA

☐ HAZARDOUS (NON-RCRA)

☒ NON HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W/O# [illegible]

WMU # 33 LOCATION S-J 10

4:52PM 11-12-92 77760 LB GR

DATE 11-12-92

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

05:22 PM 11 12 92
77760 LB
30360 LB TR
47400 LB NET

[illegible] _____ tons _____ $/ton

MANIFEST NO. QUANTITY RATE

TRUCKING CO. [illegible] ☒ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN ☐ ROLL OFF - _____ BINS ☐ FLAT BED ☐ _____

GENERATOR [illegible] [illegible] 4734

COMPANY LOCATION STATION

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS _____ DRIVER'S SIGNATURE X [illegible]

DESCRIPTION: ☒ SOLID ☐ LIQUID STATE ID # _____ EPA ID# _____

ON-SITE ID: ANALYST Jack Daniels PROFILE# [illegible]

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	Brn	☒	☐	Sul(8A)	POS (NEG)	☒	☐	Absp(26)	PASS FAIL	☐	☐	_____	55 GAL
Vis.(1)	SK	☒	☐	Cya(9A)	POS (NEG)	☒	☐	Flash	_____ °F	☐	☐	_____	85 GAL
pH (3)	8.52	☒	☐	F.L.(21)	YES (NO)	☒	☐	Hal	Neg	☒	☐	_____	_____

COMMENTS: _____

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC.
WEIGHMASTER

Gross by [illegible] Deputy

Tare By [illegible] Deputy

Truck # [illegible]

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X [illegible]

SAMPLING PROCEDURE

By [illegible]

☐ Scoop ☐ Coliwassa ☐ Thief

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X [illegible]

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

Truck Lic. No. _____

Trailer Lic. No. _____

Trailer Lic. No. _____

C-47871

8667

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME UNOCAL Marketing

ADDRESS P. O. Box 5155

EPA I.D. NO. CAD982056582

CITY, STATE, ZIP San Ramon, Ca. 94583

Site: Highway 99 and Grapevine, Lebec Station #4734

PHONE NO. 510 277-2368

CONTAINERS: No. 300818 VOLUME 14yds WEIGHT

TYPE: ☐ TANK TRUCK XX ☐ DUMP THUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Soil with Gas and Diesel

GENERATING PROCESS Removal of underground tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4.			8.		

PROPERTIES: pH Neutral XX ☐ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Acceptance M-92-N Unocal Station 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal Matthew Dutra 11/12/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Dillard Trucking, Inc.

EPA I.D. NO. CAD981692809

ADDRESS P. O. Box 218

Byron, California 94514

SERVICE ORDER NO. 1431/33

CITY, STATE, ZIP

PICK UP DATE 11/12/92

PHONE NO. (510) 634-6850

TRUCK, UNIT, I.D. NO. 86

Kenneth L. Rawlins Kenneth L. Rawlins 11/12/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Laidlaw Environmental Services, Inc.

EPA I.D. NO. CAD980675276

DISPOSAL METHOD

ADDRESS 2500 Lokern Road

☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP Buttonwillow, California 93206-0787

PHONE NO. 800 544-7199

Gabriel Ortega Gabriel Ortega 11-12-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS 165	
TRANS		S B	52,700	
C/O		RT/CD	HWDF NONE	DISCREPANCY

☐ RCRA
☐ HAZARDOUS (NON-RCRA)
☒ NON-HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W/O# [illegible]

WMU # 33 LOCATION 5-J-10

4:43PM 11-12-92 83780 lb GR

DATE 11-12-92

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

05:18 PM 11 12 92
83780 LB
31080 LB TR
52700 LB NET

8667 (MANIFEST NO.) _____ (QUANTITY) tons _____ (RATE) $/ton

TRUCKING CO. Dillard ☒ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN ☐ ROLL OFF - ____ BINS ☐ FLAT BED ☐ ____

GENERATOR Unocal (COMPANY) Grapevine (LOCATION) 4734 (STATION)

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS _____ DRIVER'S SIGNATURE X [signature]

DESCRIPTION: ☒ SOLID ☐ LIQUID STATE ID # _____ EPA ID# _____

ON-SITE ID: ANALYST Jack Daniels PROFILE# M92-N-Unocal

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	brown	☒	☐	Sul(8A)	POS NEG	☒	☐	Absp(26)	PASS FAIL	☐	☐		55 GAL
Vis.(1)	ok	☒	☐	Cya(9A)	POS NEG	☒	☐	Flash	N/A °F	☐	☐		85 GAL
pH (3)	8.42	☒	☐	F.L.(21)	YES NO	☒	☐	HCVP	20	☒	☐		

COMMENTS: _____

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC.
WEIGHMASTER

Gross by [signature] Deputy

Tare By [signature] Deputy

Truck # _____

Truck Lic. No. [illegible]

Trailer Lic. No. [illegible]

Trailer Lic. No. _____

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X [signature]

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X [signature]

SAMPLING PROCEDURE

By [signature]

☒ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

A-47887 3439

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Unocal Marketing

ADDRESS P.O. Box 5155

EPA I.D. NO. CAD 981210516 5782

CITY, STATE, ZIP San Ramon California 94583 Hwy 99 & Grapevine Station # 4734

PHONE NO. (510) 277-2368

CONTAINERS: No. 300860 VOLUME 184 WEIGHT

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Soil with Gas and Diesel GENERATING PROCESS Removal of underground Tank

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Gasoline		<0.1	6.		
3. Diesel		<0.1	7.		
4.			8.		

PROPERTIES: NEUTRAL pH ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Acceptance M-92-N Unocal Station # 4734 Bob Boust

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Matthew Dutra for Unocal Matthew Dutra 11/13/92
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Dillard Trucking Inc.

EPA I.D. NO. CAD 981114982 81019

ADDRESS P.O. Box 218

SERVICE ORDER NO. 1431/33

CITY, STATE, ZIP Byron California 94514

PICK UP DATE 11/13/92

PHONE NO. (510) 634-6850

TRUCK, UNIT, I.D. NO. 88

Jr Rogers Jr Rogers 11/13/92
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Laidlaw Environmental Services, Inc.

EPA I.D. NO. CAD 981016715 2716

ADDRESS 2500 Lokern Road

DISPOSAL METHOD ☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP Buttonwillow California 93206-0787

PHONE NO. 800 544-7199

Gabriel Ortega Gabriel Ortega 11-13-92
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	~~TONS~~ LBS	
TRANS		S B	48,860	
C/Q		RT/CD	HWDF NONE	DISCREPANCY

21693

☐ RCRA
☐ HAZARDOUS (NON-RCRA)
☑ NON HAZARDOUS

LAIDLAW Environmental Services (Lokern), Inc.

2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

W/O# A-47887

WMU # 2 LOCATION 15-H-9

2:06PM 11-13-92 81140 LB GR

DATE 11-13-92

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighed at 2500 W. Lokern Rd., Buttonwillow

02:56 PM 11 13 92
81140 LB
32280 LB TR
48860 LB NET

3421 _____ tons _____ $/ton
MANIFEST NO. QUANTITY RATE

TRUCKING CO. Dillard ☑ END DUMP ☐ TRANSFER ☐ VACUUM ☐ VAN ☐ ROLL OFF _____ BINS ☐ FLAT BED ☐ _____

GENERATOR Unocal grapevine 4734
COMPANY LOCATION STATION

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE DISPOSAL FACILITY NAMED ABOVE

FOR WASHOUT: DRIVER'S INITIALS _____ DRIVER'S SIGNATURE X [signature]

DESCRIPTION: ☐ SOLID ☐ LIQUID STATE ID # _____ EPA ID# _____

ON-SITE ID: ANALYST Jack Daniels PROFILE# M92-N-Unocal

TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	TEST #	RESULT	YES	NO	# OF CONTAINERS	SIZE
Color	brown	☑	☐	Sul(8A)	POS (NEG)	☑	☐	Absp(26)	PASS FAIL	☐	☐	_____	55 GAL
Vis.(1)	O.K.	☑	☐	Cya(9)	POS (NEG)	☑	☐	Flash	°F	☐	☐	_____	85 GAL
pH (3)	5.52	☑	☐	F.L.(21)	YES (NO)	☑	☐	RCVP 100		☑	☐	_____	_____

COMMENTS: _____

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER TERMS OF RWQCB ORDER NUMBER 89-150.

SIGNATURE OF TSDF OPERATOR X [signature]

I CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS PROPERLY PLACED INTO THE DESIGNATED WASTE MANAGEMENT UNIT UNDER MY SUPERVISION AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT WAS WORN.

SIGNATURE OF TSDF OPERATOR X [signature]

SAMPLING PROCEDURE

By Jacks Daniels

☑ Scoop ☐ Coliwassa ☐ Thief

☐ Waste Pile Sampler Grab: ☐ Top ☐ Bottom

LAIDLAW ENVIRONMENTAL SERVICES (LOKERN), INC. WEIGHMASTER

Gross by [signature] Deputy

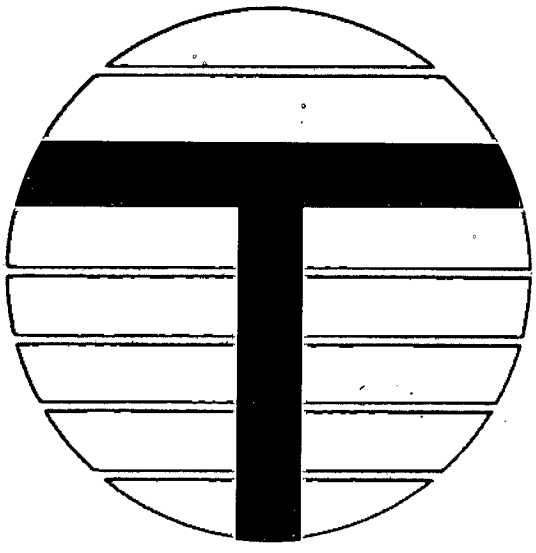
Tare By [signature] Deputy

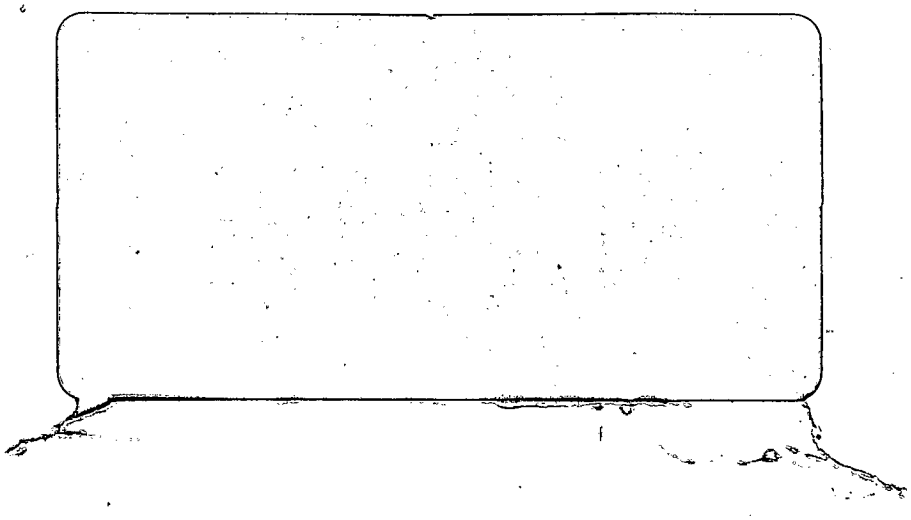
Truck # 88

Truck Lic. No. 4W3044

Trailer Lic. No. EF 33492

Trailer Lic. No. _____





CR 7809 330097

ENVIRONMENTAL SITE ASSESSMENT
UNOCAL SERVICE STATION 4734
9068 WEST GRAPEVINE ROAD
LEBEC, CALIFORNIA

prepared for

Unocal Refining and Marketing Division
2000 Crow Canyon Place, Suite 400
San Ramon, California

prepared by

GeoResearch,
a Division of GEOSERVICES,
a California Corporation,
1713 Tulare, Suite 113
Fresno, California 93721
(209) 264-0444

April 7, 1992
92075

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TABLE 5: FIELD OBSERVATIONS AND OVA READINGS - UNOCAL SERVICE STATION 4734 AND TEJON RANCH

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FIGURES

FIGURE 1: SITE LOCATION MAP

FIGURE 2: SITE DIAGRAM WITH BORING LOCATIONS

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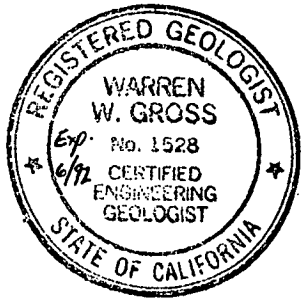
STATEMENT OF LIMITATIONS AND PROFESSIONAL CERTIFICATION

Information provided in this report; Environmental Site Assessment, Unocal Service Station 4734, 9068 West Grapevine Road, Lebec, California; for GeoResearch Project Number 92075 dated April 7, 1992, is intended exclusively for Unocal Refining and Marketing Division for the evaluation of petroleum hydrocarbons as it pertains to the subject site at the time the data were collected. The professional services provided have been performed in accordance with practices generally accepted by other geologists, hydrologist, hydrogeologists, engineers, and environmental scientists practicing in this field. No other warranty, either expressed or implied, is made. As with all subsurface investigations, there is no guarantee that the work conducted will identify any and all sources or locations of contamination. This report is issued with the understanding that Unocal Refining and Marketing is responsible for ensuring that the information contained in this report is brought to the attention of the appropriate regulatory agency. The enclosed report has been reviewed by a geologist who is registered in the state of California and whose signature and license number appear below.

Warren W. Gross C.E.G. # 1528
Senior Geologist

Blair Redfearn
Staff Geologist



EXECUTIVE SUMMARY

GeoResearch has conducted an environmental site assessment at Unocal Service Station #4734 located at 9068 West Grapevine Road, approximately 20 miles south of Bakersfield, California (Figure 1). This work was authorized by Mr. Bob Boust of Unocal on November 25, 1991. The purpose of the assessment was to detect and determine the extent of any significant concentrations of petroleum hydrocarbons and selected other parameters which may have resulted from the fuel storage and dispensing facilities, motor vehicle service facilities, and other identified areas of concern.

Mr. Boust also authorized GeoResearch to conduct additional investigations of areas adjacent to the station (north and east) on Tejon Ranch property not a part of the station lease, pursuant to discussions with Kern County Environmental Health Services Department (KCEHD) and Mr. Jeff Warren of Tejon Ranch.

At the Unocal station, soil containing concentrations of total recoverable petroleum hydrocarbons (TRPH) was identified in a radiator repair area and beneath the concrete covering the gasoline tanks. The volume of soil which is impacted by TRPH in these areas is estimated to be 150 cubic yards.

Soils containing concentrations of total petroleum hydrocarbons as gasoline (TPH-G) were identified beneath the east service island at the Unocal station. A soil volume as great as 500 cubic yards may be impacted; however, the actual volume of soils containing TPH-G could be substantially less.

On Tejon Ranch property, soil containing concentrations of petroleum hydrocarbons was identified north and east of the station just off the asphalt, near a storm drain discharge pipe located north of the station, and northwest of the storm drain discharge pipe where the water flows from the pipe following a surface channel.

One storm drain on the Unocal station site was found to discharge to the surface channel north of the station. TRPH and TPH-G concentrations were identified along this drainage channel and adjacent to the asphalt immediately north of the station. The estimated total amount of soil in these areas impacted by the TRPH and TPH-G is 100 cubic yards.

Only one very small patch of stained soil was observed to the east of the station. However, TRPH and TPH-D were detected in a sample (SS-4-1) which was not within the identified zone of soil staining.

1.0 INTRODUCTION

GeoResearch has conducted an environmental site assessment at Unocal Service Station #4734 located at 9068 West Grapevine Road, Lebec, California (Figure 1). This work was authorized by Mr. Bob Boust of Unocal on November 25, 1991. The purpose of the assessment was to detect and determine the extent of any significant concentrations of petroleum hydrocarbons and selected other parameters which may have resulted from the fuel storage and dispensing facilities, motor vehicle service facilities, and other identified areas of concern.

Mr. Boust also authorized GeoResearch to conduct additional investigations of areas adjacent to the station (north and east) on Tejon Ranch property not a part of the station lease, pursuant to discussions with Kern County Environmental Health Services Department (KCEHD) and Mr. Jeff Warren of Tejon Ranch. These additional investigations included drilling and sampling two soil borings by hollow stem auger methods north of the station near abandoned seepage pits and twelve soil borings by hand auger methods (SS-1 through SS-12) in areas of observed soil staining. These additional investigations also included tracing the discharge path from a storm drain adjacent to the station. A work plan for the additional investigations was prepared and submitted to the KCEHD and approved on January 21, 1992.

In addition, a small volume of material removed from a storm drain on the property was characterized and disposed, in accordance with the request of Mr. Boust.

2.0 SITE BACKGROUND

The site is located adjacent to Interstate 5 at the Grapevine exit, approximately 20 miles south of Bakersfield and 9 miles north of Lebec, California. The Unocal station has occupied the site since 1961 under a lease agreement with Tejon Ranch. A Texaco service station is located directly across Grapevine Road (identified on Figures 2 and 3 as "Frontage Road") from the station. An unlined drainage channel passes along the south side of the site. A restaurant formerly located east of the site burned approximately five years ago and the building was demolished. The land remains unimproved and is frequently used as a truck parking area. The Unocal station dealer, Mr. Rose, reported that truck drivers commonly change their oil in this area, sometimes letting the used oil drain onto the bare soil. A vacant lot to the north of the station is undeveloped but has been graded level. Mr Rose reported that a structure was located on this parcel in the past and that the area was utilized for parking for the Cristo umbrella exhibit last fall.

According to Mr. Rose, the station has been a major stopping point for travelers on the way to Tejon Pass or coming down from the pass, frequently to utilize the public watering station located on the station site adjacent to Grapevine Road. The property slopes east from Grapevine Road. When fluids are discharged to the pavement around the station from automobiles or trucks, the fluid ultimately flows into one of the storm drains located north and east of the station (Figure 3).

Two 10,000-gallon underground gasoline storage tanks (USTs) (super and regular), one 10,000-gallon diesel UST, and one 280-gallon waste-oil UST are located on the site. Also located on the premises are eight fuel dispensers on two service islands, two automotive hoists located in the service bays, three abandoned and filled seepage pits, one abandoned septic tank, and a separate garage building. The original usage of the separate garage is not known. According to Mr. Rose, the southeast corner of the garage building may have been utilized as a radiator repair facility prior to his taking over the station 14 years ago.

Mr. Rose has reported that the station no longer performs any automotive repair or servicing except snow tire replacement on California Highway Patrol vehicles during bad weather on the pass.

On October 7, 1991, the KCEHD received a complaint regarding the dumping of antifreeze and waste oil on the ground near the station. An investigation was conducted the following day by the KCEHD and violations of the California Health and Safety Code, Section 25250.5 were cited (Appendix A). The observations of the KCEHD inspector included dark soil staining in three areas north and east of the station lease.

The Cristo umbrella exhibit was conducted in the Tejon Pass area last fall. One of the viewing locations was near the station and the adjacent vacant properties were utilized as parking areas. We understand from discussions with Mr. Rose that the soil was oiled by CalTrans for dust control and that some of the oiled dirt was tracked onto the paving surrounding the service station by the cars parking in these areas. These oils were washed into the storm drains at the station by rains and the daily wash down activities conducted by the station, primarily the storm drain located between and to the east of the two station buildings (Figure 3).

Eventually, the combination of soil, debris, and petroleum products that washed into the storm drain created a complete blockage of the drain. We understand that the drain was cleared out by Tejon Ranch personnel and the material placed in trash bags and secured under plastic sheeting adjacent to the storm drain. Unocal contacted GeoResearch and requested that an assessment of the material be completed and that the material be properly disposed.

GeoResearch reviewed a Phase I environmental Site Assessment report prepared for the subject property (PHR, 1991). The report states that a leak in a super (92 octane) product dispenser was discovered and repaired in June 1981. The piping to the dispensers had been replaced the previous month. Unocal files reportedly contained no information regarding remedial activities or even the location of the leak. Mr. Rose recalled that the repair had taken place but was unable to recall which dispenser had been involved. Although the Phase I report indicated that Unocal files did not give indication of UST replacement since the original UST installation in 1961, Mr. Rose reported that the tanks were replaced after he acquired the dealership in 1977.

3.0 GEOLOGY/HYDROLOGY

Soils beneath the site consist of Pleistocene age material of the Tulare formation which is derived from alluvium and bedrock off the Tehachapi Mountains approximately one-half mile to the south (personal communication with KCEHD geologist, Tom Haselbacher). As observed during the subsurface site investigation, shallow soils consist predominantly of silts and silty sands. Coarse granitic gravels and cobbles were periodically encountered from near the surface to 45-feet bgs.

According to Mr. Haselbacher of the KCEHD, ground water in the vicinity of the site is estimated to be 1,000 to 1,200 feet bgs. An unlined drainage channel (dry stream bed) passes to the south of the site (Figures 1 and 2).

4.0 PROCEDURES

4.1 INITIAL SITE INVESTIGATION

On October 30, 1991, GeoResearch conducted a reconnaissance of the station site and discussed the storm drain problem with station personnel (see Section 2.0). The materials removed from the storm drain were described and sampled. Soil samples were collected from the materials in six trash bags in laboratory-supplied glass jars and submitted to GEOTEST of Long Beach, California, a California Department of Health Services (DOHS)-certified laboratory. A composited sample was analyzed for total recoverable petroleum hydrocarbons by US EPA Method 418.1. Subsequently the composite sample was submitted to Applied Environmental Sciences of Costa Mesa, California, a DOHS-certified laboratory, for the completion of a 96-Hour Acute Aquatic Toxicity Bioassay. The waste was profiled and transported to McKittrick Waste Disposal Site in McKittrick, California, a Class II disposal facility, by Kroeker Environmental Services of Fresno, California.

4.2 SITE ASSESSMENT - UNOCAL SERVICE STATION

GeoResearch notified Ms. Corrina Dominguez of Unocal of the proposed schedule and the nature of site assessment (drilling) activities in a letter dated November 27, 1991.

The KCEHD was contacted regarding drilling permit requirements. A permit was not required for the proposed soil borings since no release of petroleum products from the station facilities was known to have occurred. A site-specific health and safety plan was prepared and all field work was performed in accordance with the plan.

Analytical laboratory services for this project were provided by GEOTEST, via a mobile laboratory stationed on site as well as the in-house laboratory facilities in Long Beach. Underground utility detection services were provided by Spectrum E.S.I. of San Fernando, California. Kern Concrete Cutting of Bakersfield, California provided concrete sawing and coring services for all borings completed beneath concrete slabs. Drilling services were provided by Spectrum Exploration Inc. of Signal Hill, California.

A geophysical survey was conducted to locate detectable underground utilities in the areas where drilling was proposed. The locations of the detected site improvements were marked on the surface and locations selected where drilling and hand augering could be conducted safely. GeoResearch contacted Underground Service Alert before drilling to locate selected subsurface utility lines near the site.

A truck-mounted CME 55 drill rig equipped with 6-inch continuous flight hollow stem augers was utilized for the drilling and sampling of thirteen soil borings. Prior to drilling, hand augering was performed to a depth of up to 5-feet bgs (if possible) in an effort to find any unidentified underground utilities. Four hand auger borings were completed in locations where drill rig access was not practical. Hollow-stem auger borings were designated SB-# and hand auger borings were designated HA-#. Soil samples collected on Tejon Ranch property were designated SS-#. All field activities were supervised or performed by a qualified geologist under the direction of a Certified Engineering Geologist and in accordance with the GeoResearch field procedures outlined in Appendix C.

Undisturbed soil samples were collected from the hollow-stem auger borings at five feet bgs, and thereafter at five foot intervals utilizing modified California split-spoon samplers fitted with 2-inch by 6-inch-long brass tubes. The soil was logged and described in accordance with the Unified Soil Classification System (USCS) and recorded on "Field Log of Boring" forms (Appendix D). Soil samples from the 5-foot intervals were also placed in resealable plastic bags, screened with an organic vapor analyzer (OVA), and

measurements were recorded on the boring logs. Soils encountered in the hand auger borings were also logged and monitored with the OVA. Soil samples from the hand auger borings were also collected in brass tubes from undisturbed soils, utilizing a driven sampler. Drill cuttings from the borings were placed on and covered with plastic sheeting east of the garage area (Figure 2).

Four of the hollow stem auger borings (SB-1, SB-2, SB-3, and SB-5) were drilled near the existing gasoline and diesel USTs. These borings were originally projected to be drilled to 40 feet bgs. Large rocks were encountered while drilling soil boring SB-2, north of the gasoline tanks, resulting in a maximum depth of penetration of 17 feet bgs.

Four soil borings were drilled at ends of the two dispenser islands (SB-4, SB-10, SB-11, and SB-12). These borings were drilled at an angle of 15 degrees off vertical, bearing toward the middle of the dispenser in an effort to obtain soil samples directly below the dispenser and associated piping. Due the rocky conditions of the soil, two of these borings (SB-4 and SB-11) could not be drilled to their scheduled depth of 45 feet bgs. Soil boring SB-4 had a total depth of 32 feet bgs and soil boring SB-11 had a total depth of 22 feet bgs.

Two soil borings (SB-6 and SB-7) were drilled northeast of the station on Tejon Ranch property near a filled and abandoned seepage pit and a 1000-gallon filled and abandoned septic tank. Soil boring SB-6 could not penetrate past 21 feet bgs. According to the site diagram, 21 feet bgs corresponded to the total depth of the seepage pit. Soil Boring SB-7 was subsequently drilled approximately 2 feet north of SB-6 to 35 feet bgs.

Soil borings SB-8 and SB-9 were drilled on the east side of the station. SB-8 was drilled next to a 280-gallon waste-oil tank to a depth of 30 feet bgs and SB-9 was drilled to a depth of 40 feet bgs adjacent to a filled and abandoned seepage pit .

Four soil borings were completed by hand auger methods by GeoResearch. These borings were completed in the center of the east pump island (HA-1), in the possible radiator repair area (HA-2 and HA-3), and on the east end of the gasoline tanks (HA-4). Attempts were made to hand auger in the center of the west pump island and next to the automotive hoist; however, the large rocks in the soils prevented the completion of borings in those areas. The drill rig was not utilized to drill HA-4 due to uncertainties about the exact location of the adjacent USTs.

Seventy-two soil samples were collected from these borings and preserved for laboratory analysis. Selected soil samples were analyzed on-site, immediately following their collection, by a GEOTEST mobile laboratory in order to utilize the results to determine the scope of further site investigations. Analyses

completed in the mobile laboratory included total petroleum hydrocarbons as gasoline (TPH-G) in accordance with Cal-EPA methods, benzene, toluene, ethylbenzene, and total xylenes (BTEX) according to EPA Method 8020, and total recoverable petroleum hydrocarbons (TRPH) according to EPA Method 418.1.

Additional soil samples were analyzed in the GEOTEST laboratory in Long Beach, California for total petroleum hydrocarbons as diesel (TPH-D) in accordance with Cal-EPA methods, halogenated volatile organics according to EPA Method 8010, and California Assessment Manual (CAM) metals as specified in Title 22 of the California Administration Code, in accordance with EPA Method 6010 (and cold vapor for mercury). Those metals with concentrations exceeding ten times the Soluble Threshold Limit Concentration (STLC) were further analyzed to quantify the soluble concentrations. Laboratory results and chain-of-custody documents can be found in Appendix E.

Soil samples collected in the radiator repair area were also tested for acidity on-site. This was accomplished by mixing soil with distilled water, filtering out the soil, and recording the pH of the filtered water. These tests were performed as an indication of whether or not acids associated with the radiator repair facility or from battery storage practices were present in site soils.

All hollow stem auger borings were backfilled with cement/bentonite slurry utilizing 4.5 to 6.5 gallons of water/94-pound bag of portland cement. Hand auger boring HA-1, drilled to a depth of 3 feet bgs, in the center of the east pump island was backfilled with hydrated bentonite chips and capped with concrete (Figure 3). Hand auger borings HA-2 and HA-3, inside the possible radiator repair area, were drilled to depths of 5 feet and 3 feet bgs respectively and were backfilled with clean native soil. Hand auger boring HA-4 was backfilled with cement/bentonite slurry.

4.3 TEJON RANCH SOIL SAMPLING

A work plan was submitted and approved by Mr. Robert Boust of Unocal and Mr. Terry L. Gray of KCEHD for assessment of identified soil staining north and east of Unocal #4734 (Appendix F).

Twelve soil borings were completed by hand auger methods on the Tejon Ranch property adjacent to the Unocal site lease to evaluate the magnitude of hydrocarbon concentrations evidenced by soil staining found north and east of the station (Figure 3). The soil borings on Tejon Ranch property were completed to depths ranging from 1 to 5 foot bgs and backfilled with native soil. Four of these soil borings were completed east of the station in a vacant lot (SS-1, SS-2, SS-4, and SS-5). Two borings were completed north of the station, just off the asphalt surface (SS-6 and SS-7). One boring (SS-3) was drilled north of the station near the service road at the discharge point of a 4-inch pipe leading from the

station. Five borings (SS-8, SS-9, SS-10, SS-11, and SS-12) were drilled north of the station along the flow path of fluid leading from the 4-inch discharge pipe to the area north of the freeway on-ramp (Figure 3).

Thirty soil samples were collected from the Tejon Ranch soil borings. Selected soil samples were initially analyzed on-site by GEOTEST for TRPH. Of these samples, those which contained high TRPH concentrations (up to 6,000 mg/kg) were selectively analyzed for TPH-d, TPH-g/BTEX, and CAM metals.

5.0 FINDINGS

5.1 INITIAL SITE INVESTIGATION

5.1.1 Observations

Five partially filled trash bags were found underneath a plastic tarp near the storm drain located east of the gasoline USTs. The contents of the bags was a sand and oil sludge. The oily sludge was dark brown to black and had a petroleum odor. The total volume of the material was estimated to be approximately one-half cubic yard. During the short time that GeoResearch personnel were on site, several automobiles pulled into the station to top off radiators from the public water stations located on the site along Grapevine road. Some of the cars had obviously overheated and were discharging water, antifreeze, and oily engine residue onto the pavement.

5.1.2 Analytical Results

Samples collected from the trash bags were composited and analyzed for TRPH. Laboratory results indicated that TRPH was 1000 mg/kg. The completion of a 96-hour acute aquatic toxicity bioassay test established that the material was not hazardous by this standard (LC_{50} greater than 500 mg/kg). Laboratory results for the composited sample collected from the trash bags are located in Appendix E.

5.1.3 Soil Disposal

A Generators Waste Profile was completed on Unocal's behalf certifying the material as nonhazardous (Appendix G). The trash bags and their contents were transported to McKittrick Waste Disposal Site located in McKittrick, California by Kroeker Environmental Services on November 13, 1991. The waste haulers manifest and certificate of waste disposal are included in Appendix G.

5.2 SITE ASSESSMENT - UNOCAL SERVICE STATION

5.2.1 Field Observations

Soils encountered at this site consisted mostly of silts, silty sands, and sands with varying amounts of granitic gravels and cobbles. These soils resulted in difficult drilling conditions for both the drilling rig and hand augering. This coarse, granitic material was observed to be weathered at shallower depths and easily drilled with a truck-mounted drill rig; however, un-weathered and impenetrable deeper in the alluvium.

Hand auger boring HA-1 was advanced to a depth of 3 feet bgs in the center of the east pump island. Soil from this boring had a strong petroleum odor, slight greenish staining, and an OVA reading of 200 ppm. The boring was located adjacent to a small crack in the concrete extending across this service island which, according to station employees, is a point of gasoline spillage when fueling cars. The boring could not be advanced below 3 feet bgs due to auger refusal.

When the concrete was cut to drill soil borings SB-5 and HA-4, the soil immediately beneath the concrete was observed to be dark brown to black. The staining extended to 5-inches below the concrete and the soils had a petroleum odor. This soil resembled the black oily soil removed from in the clogged storm drain located approximately 60-feet east and the black oily stained soil found north of the station at the storm drain discharge point (Figure 2). A sample was collected (SB-5-surf) and submitted for laboratory analysis.

During hand augering inside the radiator repair area (Figure 2), a large white object was encountered at a depth of about six inches. Initially, it appeared that the object could be a large pipe or a tank. Partial excavation of the object revealed that it was merely a large boulder.

Soil staining was not definitively identified in any soil samples collected from the station property except in hand auger boring HA-1 and beneath the concrete covering the two gasoline USTs. No elevated OVA readings or other field evidence of volatile organics were noted except in HA-1, as noted above.

Several episodes of auto service and repair by the general public on the station property were observed by GeoResearch personnel during site investigations. This included radiator draining and refilling, fuel filter changing (with gasoline spillage), and other repair work.

5.2.2 Analytical Results

Soil collected in hand augered boring HA-1 at 3 feet bgs in the center of the east pump island contained a concentration of 7,400

mg/kg TPH-G and BTEX of 32, 640, 180, and 1,300 mg/kg, respectively (Table 1). The soil sample collected from hand auger boring HA-4 at 8.5 feet bgs, drilled at the east end of the gasoline UST did not contain concentrations of TPH-G or BTEX.

None of the soil samples from the hollow stem auger borings around the UST's, pump islands, and septic systems were reported to contain TPH-G, benzene, or ethylbenzene above laboratory detection limits. One soil sample SB-12-20, collected at the north end of the east pump island at 20 feet bgs, contained concentrations of toluene and total xylenes of 0.1 mg/kg and 0.017 mg/kg, respectively (Table 1).

Soil samples collected from soil borings SB-1, SB-3, SB-7, SB-8, SB-9, and SB-13, drilled near the waste-oil and diesel tanks, seepage pits, and radiator repair area were selectively analyzed for purgeable halocarbons by EPA Method 8010 and for TPH-D and TRPH. Three samples were analyzed for halogenated compounds, eight for TPH-D, and eleven for TRPH. Concentrations of the constituents analyzed for were not detected in any of the borings (Table 2).

A sample was collected of the black oily soil, immediately beneath the concrete covering the two gasoline tanks, while drilling soil boring SB-5. This soil sample (SB-5-surface) was analyzed for TRPH and contained a concentration of 730 mg/kg.

Two soil samples were collected from each boring hand augered in the former radiator repair area (HA-2 and HA-3) and analyzed for TRPH. HA-2 contained TRPH concentrations of 360 and 370 mg/kg at 1 and 5 feet bgs, respectively. The samples from HA-3 contained TRPH concentrations of 760 and 680 mg/kg at 1 and 3 feet bgs, respectively (Table 2). Soil samples HA-2-1 and HA-3-1 were additionally analyzed for CAM metals (Table 3). Soil sample HA-3-1 was reported to contain 79 mg/kg of arsenic which exceeds 10 times the STLC concentration of 5 mg/L. This sample was then analyzed to determine the concentration of soluble arsenic compounds. A concentration of 2.1 mg/L was reported (Table 4).

Measurements of pH which were recorded from soil samples collected in the radiator repair area ranged from 9.9 to 7.9, indicating slightly alkaline soils.

5.2.3 Product/Vapor Return Line Damage and Repair

While cutting the concrete for soil boring SB-5, located at the west end of the gasoline tanks, a gasoline product line was severed by the concrete saw. This line was located approximately 5-inches bgs, partially encased within the base of the concrete. The emergency shut off switch was immediately turned off and the release was confined to an estimated 18-gallons of gasoline. This 18-gallons was estimated by calculating the volume of the length of the product line which gasoline would drain out of when the

pressure is released. According to Mr. Rose, 18 gallons is the maximum amount of gasoline that could have been lost. GeoResearch immediately notified Unocal of the release and an unauthorized release form was submitted to the KCEHD (Appendix B). A permit was obtained for the repair by All America Trenching of Clovis, California. FHEMCO of Tulare, California performed the repairs of the cut pipe under the supervision of All America Trenching. Additional concrete cutting was required to repair the cut line. When the additional concrete was removed from around the cut pipe, FHEMCO personnel observed the scene and commented that the gasoline which had been released appeared to have been trapped between the bottom of the concrete and the black oily soil under the concrete, causing it to spread laterally beneath the concrete.

Chris Finberg, KCEHD Hazardous Materials Specialist, was on-site during the repair work. A soil sample was required by the KCEHD at six feet bgs beneath where the product line was cut. The drill rig was utilized to collect the required sample by drilling soil boring SB-5 at this location. The 6 foot sample was collected and analyzed, as directed by Mr. Finberg. Concentrations of TPH-G or BTEX were not found. Mr. Finberg stated that no more action would be required.

Soil boring SB-10, drilled at the south end of the east pump island, hit a fiberglass vent return line at 3 feet bgs. The emergency shut-off switch was immediately turned off upon discovery of the broken line and the augers were removed from the hole. The two hand auger borings completed at this location prior to drilling had both passed within inches of the vent line. The site diagram supplied by Unocal indicated that the lines should have been further to the north. Careful inspection of the soils surrounding the vent line by GeoResearch personnel did not give any evidence of the release of gasoline. Unocal was immediately informed of the incident and authority was given by Unocal to contact FHEMCO to perform the repairs. Kern County Air Pollution Control Board (APCD) and KCEHD were notified of the incident and stated that no permit was required for the line to be repaired.

5.3 TEJON RANCH SOIL SAMPLING

5.3.1 Introduction

In response to the complaint of antifreeze and waste oil dumping at the Unocal station and the subsequent observations by the KCEHD, as discussed in Section 2.0, a meeting was held on January 3, 1992 to discuss the situation. Mr. Terry Grey of the KCEHD and Mr. Jeffery Warren of Tejon Ranch were among those present. Mr. Warren reported the observations made by his consultant and the results of an analysis of water collected from the discharge of the four inch PVC pipe located to the north of the station. In addition to the staining reported in the investigations presented in this report,

some patches of staining to the east of the station were noted by the Tejon Ranch consultant (Appendix F - figure) It was agreed that Unocal would submit for KCEHD approval a plan for the characterization of soils in the areas where soil staining had been observed and the identification of the source of the discharge from the pipe.

A work plan was subsequently prepared by GeoResearch on behalf of Unocal for the assessment of identified soil staining north and east of Unocal #4734 (Appendix F). The work plan was submitted and approved by Mr. Robert Boust of Unocal and Mr. Terry Gray of KCEHD. The field work was conducted concurrently with the assessment of the service station property. The areas of soil staining to be addressed were:

- The path of drainage of the discharge from the PVC pipe north of the station;

- The areas of stained soil immediately adjacent to the asphalt north of the station and to the east of the station.

5.3.2 Drainage Course North of Station

5.3.2.1 Field Observations

The storm drain located northwest of the service bay on the Unocal site was suspected to be the source of the discharge from the four inch PVC pipe. The discharge pipe leading from the storm drain was traced north toward a sewer manhole by a geophysical survey; however, an obstruction in the pipe prevented tracing the pipe completely. Several attempts to clear the blockage were made. Eventually, Drain X Plumbing of Bakersfield, California was utilized to clear out the obstructed drain pipe. After the drain had been cleared, the drain was again flushed with water. This time it was confirmed that the storm drain was connected to the 4-inch discharge pipe located along the service road north of the station.

The soil around the four inch discharge pipe was stained dark brown to black and had an oily sheen at the surface. The native soils in this area were a brown silty sand. Some light staining persisted to between 3 and 4 feet bgs. The soil was unconsolidated and wet over an area of approximately 4 feet by 4 feet, from the surface to approximately 2 feet bgs. OVA readings recorded were 15 ppm from 6-inches to 1 foot bgs and 5 to 8 ppm from 2 to 4 feet bgs (Table 5). Water flowing out of the pipe at the time of our initial observations had a slight greenish tint reminiscent of antifreeze. Discharge observed later was clear. The discharge rate varied from a slow trickle to no flow.

The flow path for the liquid flowing out of the discharge pipe was to the northeast, along the shoulder of the I-5 south on-ramp, then

under the road through a culvert and fanning out into an open field (Figure 3). Soil along the flow path was lightly stained in places to 2 feet bgs. OVA readings from soil samples in this area were less than 5 ppm. North of the culvert where SS-10-2 was collected, the soil was wet and lightly stained down to 4 feet bgs. OVA readings recorded were 50 ppm at 1 foot bgs, 20 ppm at 2 feet bgs, and 6 ppm at 4 feet bgs (Table 5). Soil further down gradient (east), where the discharge fanned out and any remaining flow infiltrated into the soil, was observed to be wet and possibly slightly stained from the surface to 2 feet bgs; however, the OVA did not detect organic vapor concentrations above 1 ppm.

5.3.2.2 Analytical Results

One hand auger boring was advanced to a depth of 4 feet bgs near the storm drain discharge point. Soil samples collected at 1 and 2 ft bgs (SS-3-1, SS-3-2) contained TRPH concentrations of 490 and 170 mg/kg, respectively (Table 6). These samples were subsequently analyzed for TPH-G/BTEX. Soil sample SS-3-1 contained TPH-G concentrations of 96 mg/kg and BTEX concentrations of 0.30, 1.2, 0.42, and 2.7 mg/kg, respectively. This sample was also analyzed for CAM metals (Table 3). The lead concentration in soil sample SS-3-1, 59 mg/kg, exceeded 10 times the Soluble Threshold Limit Concentration (STLC). The concentration of soluble lead was therefore determined and reported to be below method detection limits (Table 4). Concentrations of TPH-D were not detected in SS-3-1. Soil sample SS-3-2, collected from the same hand auger boring at 2 ft bgs, did not contain detectable concentrations of TPH-G/BTEX. The sample collected at 4 feet bgs in this boring (SS-3-4) did not contain detectable concentrations of TRPH.

Soil samples SS-8-# through SS-12-# (where # represents the depth of the sample), were collected from hand auger borings along the drainage path of the fluid discharged from the storm drain (Figure 3). Soil samples SS-8-1 and SS-8-2, collected from an area of light soil staining, were analyzed for TRPH. These samples contained TRPH concentrations of 29 and 56 mg/kg, respectively (Table 6). No TRPH was reported in sample SS-9-1, which was collected along a portion of the drainage path in which only minor occasional staining was observed.

A TRPH concentration of 6,000 mg/kg was reported for soil sample SS-10-1. This sample was additionally analyzed for TPH-G/BTEX. The TPH-G concentration was subsequently reported to be 1,200 mg/kg and BTEX concentrations of 0.20, 6.2, 4.5, and 42 mg/kg, respectively, were reported. This sample was also analyzed for CAM metals. A total lead concentration of 66 mg/kg was reported which exceeded 10 times the STLC. Subsequently, a soluble lead concentration of 0.039 mg/L lead was determined, which does not exceed the TTLC. The sample collected at 2 ft bgs in this boring was analyzed for TRPH; however, concentrations above detection limits were not reported.

Soil samples SS-11-1 and SS-12-1 were analyzed for TRPH. According to laboratory reports, these samples did not contain detectable concentrations of TRPH.

5.3.3 Soil Staining North and East of Station

5.3.3.1 Field Observations

An area of moderate to heavy soil staining was observed adjacent to the asphalt and between the two planters north of the station (Figure 3). An oily sheen was present in places. From the distribution of the staining it was apparent that the hydrocarbons had run or been washed off of the asphalt. The darkest soil staining was restricted to the upper few inches of soil. Only light staining was observed below a depth of one foot (Table 5). Soil sample locations are shown on Figure 3. All soils encountered were classified as a brown silty sand. No significantly elevated organic vapor readings were obtained with the OVA.

One small (approximately four feet across) patch of lightly stained soil was observed at the edge of the asphalt along the east side of the station (Figure 3). The staining was adjacent to the low point in the asphalt which apparently channeled drainage from the site. No other areas of soil staining were identified east of the station; however, the soil was wet from recent rains and several large puddles were present. All soils encountered in this area were classified as brown silty sands. Soil sample locations are shown on Figure 3. No soil staining was observed below one foot bgs. The samples were monitored with the OVA. No organic vapors were detected.

5.3.3.2 Analytical Results

Two hand auger borings were completed immediately north of the station in the area where hydrocarbons have run off of the asphalt and accumulated in the soil (Figure 3). Soil samples were collected and submitted for analysis at 1, 2, and 4 ft bgs (SS-6-1, SS-6-2, and SS-6-4, respectively). SS-6-1 and SS-6-2 contained TRPH concentrations of 210 and 190 mg/kg respectively. The sample collected at 4 foot bgs (SS-6-4) did not contain TRPH according to laboratory reports. The 1 ft bgs sample (SS-6-1) was subsequently analyzed for TPH-G/BTEX and TPH-d. This sample did not contain detectable concentrations of TPH-G/BTEX or TPH-D. Soil sample SS-7-1 did not contain detectable concentrations of TRPH, TPH-G/BTEX, or TPH-D. These laboratory results are summarized in Table 6. The laboratory analytical reports are included in Appendix E.

One soil sample, SS-4-1, collected east of the station (Figure 3), contained concentrations of TRPH at 120 mg/kg (Table 6). This sample was subsequently analyzed for TPH-G/BTEX and TPH-D. Detectable concentrations of TPH-G/BTEX were not found; however, this sample did contain 270 mg/kg TPH-D according to laboratory reports (Table 6, Appendix E).

6.0 SUMMARY

6.1 UNOCAL SERVICE STATION

Soils underlying and around Unocal Service Station #4734 consist of predominantly silts and silty sands with abundant gravel and cobbles up to at least 5 inches in diameter. Petroleum hydrocarbons were identified in shallow soils in limited areas on Unocal property as follows:

Soil collected at 3 feet bgs in the center of the east pump island contained concentrations of TPH-G up to 7,400 mg/kg and BTEX (32, 640, 180, and 1300 respectively). Soil boring SB-12, drilled at an angle beneath the east pump island only encountered traces of toluene (0.1 mg/kg) and total xylenes (0.017 mg/kg) at 20 feet bgs.

Black stained soil was identified beneath the concrete slab covering the two 10,000-gallon gasoline tanks. This soil resembled soil found in the clogged storm drain east of the tanks and soil found at the storm drain discharge north of the station. This staining was not observed past approximately 5-inches below the concrete slab and was observed in two locations (SB-5 and HA-4). Soil beneath the concrete was not observed to be stained in soil boring SB-2, north of the gasoline tanks.

Yard drainage from the station is accommodated primarily by two storm drains located north and east of the station (Figure 3). This drainage includes not only precipitation and any spillage from station refueling operations, but radiator fluids and other spillage from automobile servicing and repair by the general public. Drainage from much of the west side of the station passes directly over the top of the tanks to the storm drain east of the station. Eighteen gallons of gasoline was dispersed into surficial soils in this vicinity as the result of the cut product line.

Soil borings drilled near the gasoline, diesel, waste tanks, seepage pits, and septic tank did not contain concentrations of petroleum hydrocarbons according to laboratory reports. Evaluation of the shallow soils beneath the west pump island and inside the service bay near the automotive hoist was not possible utilizing hand auger methods because of the rocky soil. No soil staining was apparent at the surface in these locations.

The radiator repair area contained concentrations of TRPH as high as 370 mg/kg at 5 feet bgs and 760 mg/kg at 1 ft. bgs in hand auger borings HA-2 and HA-3. Rocky soil conditions prevented augering deeper than 5 feet bgs. Soil boring SB-13, drilled to a depth of 20 feet bgs adjacent to the area, did not encounter detectable concentrations of TRPH.

6.2 TEJON RANCH PROPERTY

Soil containing TRPH concentrations of up to 120 mg/kg and TPH-D concentrations of up to 270 mg/kg at 1 foot bgs is present east of the station just off the asphalt surface. Minimal surface staining was apparent in this area. The hydrocarbons detected were not from a sample collected in an area of identified soil staining. No hydrocarbons were detected at depths in excess of one foot in this area.

Soil containing TRPH of up to 210 mg/kg at 1 foot bgs and 190 mg/kg at 2 feet bgs was found north of the station, just off the asphalt. A soil sample collected at 4 feet bgs in the same boring did not contain detectable concentrations of TRPH. An area of approximately 1,000 square feet appears to have surficial soil staining.

It was confirmed that the discharge from the end of the four inch pipe north of station originated from the storm drain on the north side of the Unocal station property. Soil in the area of the discharge was found to contain TPH-G concentrations of up to 96 mg/kg and BTEX concentrations of 0.30, 1.2, 0.42, and 2.7 mg/kg, respectively. TRPH concentrations were found to be 490 and 170 mg/kg at 1 and 2 feet bgs, respectively. TPH-D was not found at 1 foot bgs and TRPH was not indicated at a depth of 4 feet bgs according laboratory reports.

Soil samples collected across the freeway on-ramp near the culvert, downstream of the pipe discharge, were found to contain concentrations of TRPH of up to 6,000 mg/kg and TPH-G concentrations at 1 foot bgs of up to 1,200 mg/kg. BTEX concentrations were reported to be 0.20, 6.2, 4.5, and 42 respectively. Soil collected at 2 feet bgs did not contain detectable concentrations of TRPH. Soil collected further east (down gradient) in the same drainage path did not contain concentrations of TRPH. Stained soils were observed over a total area of approximately 400 square feet along the drainage course.

No metals concentrations were found in excess of TTLC or STLC limits in either of the two samples analyzed for metals.

7.0 CONCLUSIONS

7.1 UNOCAL SERVICE STATION

Based on soil staining patterns, surficial soils appear to have relatively low permeabilities which have helped to restrict the penetration of hydrocarbons to shallow soils in most areas of the property.

Hand auger boring HA-1, encountered a high concentration of TPH-G at 3 feet bgs and deeper samples could not be obtained. It appears that this is, at least in part, the result of gasoline having been spilled on the island and percolating through a small crack in the service island concrete at this location. The leak from the dispenser which occurred in 1981 may also have contributed to the gasoline detected at this location. The volume of impacted soils in the service island area cannot be determined without further investigation; however, an upper limit can be estimated based on the absence of gasoline in the four slant borings completed at the ends of the service islands. Assuming a source of gasoline release at the center of one service island which spreads laterally at the same rate as it penetrates vertically, such contamination should not exceed a depth of approximately 22 feet before extending to the location of one of the borings around the service islands. This represents a potential cone of contamination with a height of 22 feet and a radius of 22 feet. This represents a soil volume of on the order of 500 cubic yards. The actual volume of soil containing TPH-G in the service island area may be substantially less.

The radiator repair area contained concentrations of TRPH of up to 760 mg/kg at 1 foot bgs and 370 mg/kg at 5 feet bgs. Soil boring SB-13, drilled adjacent to the area, did not encounter TRPH. Assuming in this case that TRPH was distributed equally over the entire area (approximately 10 by 25 feet) it appears likely that TRPH would have been encountered in the adjacent SB-13 if hydrocarbons penetrated beyond a depth of ten feet. Assuming a maximum depth of penetration of ten feet over this area, the volume of impacted soil would be on the order of 100 cubic yards.

Dark staining was observed in surficial soils in SB-4 and HA-4. A TRPH concentration of 730 mg/kg was reported for a sample of this stained soil. This staining appears to be limited to the upper one foot of soil between the station and garage, where drainage from the west side of the station is channeled on the way to the storm drain. This stained soil may have resulted from the infiltration of surface drainage through joints in the concrete. Assuming an impacted area approximately 20 by 60 feet, approximately 40 to 50 cubic yards of soil may be impacted.

Soil beneath the service bay area and the west pump island were not evaluated due to soil conditions which precluded hand augering. No staining of the surficial soils (beneath the concrete) was noted.

7.2 TEJON RANCH

The area immediately north of the station, just off the asphalt, is an area of observed automobile maintenance and automotive fluid discharge. This discharge has resulted in stained soil containing concentrations of TRPH at this location. The deepest depth at

which TRPH was identified was 2 feet bgs. The area of stained soil was on the order of 1,000 square feet. Assuming an average depth of penetration by hydrocarbons of 1 1/2 feet, the volume of impacted soil may be expected to be on the order of 55 cubic yards.

Clearly identifiable soil staining along the path of drainage from the storm drain discharge pipe north of the station was limited to a few small patches, most notably at the end of the discharge pipe and downstream of the culvert under the freeway on-ramp (Figure 3). TPH-g/BTEX and TRPH were identified in these soils to depths of up to 2 feet. Assuming an areal extent of 800 square feet and an average depth of penetration of hydrocarbons of 1 1/2 feet, the volume of impacted soils along the path of the drainage is estimated to be on the order of 45 cubic yards.

Only one very small patch of stained soil was observed to the east of the station. Hydrocarbons were detected in only one of the three soil samples analyzed from this area, at a depth of one foot. However, the TRPH and TPH-D were detected in a sample (SS-4-1) which was not within the identified zone of soil staining and a deeper sample was not collected at this location. It appears that soil staining may not be apparent in this area in soils containing low concentrations of petroleum hydrocarbons (less than 1,000 mg/kg).

TABLE 1

RESULTS OF TPH-G AND BTEX ANALYSES OF SOIL SAMPLES
COLLECTED FROM UNOCAL SERVICE STATION NO. 4734
9068 WEST GRAPEVINE, LEBEC, CALIFORNIA

			Method:	CAL/DOHS	EPA 8020		
Sample Number	Date Sampled	Depth (FT BGS)	TPH-G	B	T	E	X
			(mg/kg)				
HA-1-3	01/06/92	3	7,400	32	640	180	1300
HA-4-8.5	01/13/92	8.5	ND	ND	ND	ND	ND
SB-1-15	01/06/92	15	na	ND	ND	ND	ND
SB-1-30	"	30	na	ND	ND	ND	ND
SB-2-12	01/06/92	12	ND	ND	ND	ND	ND
SB-2-17	"	17	ND	ND	ND	ND	ND
SB-3-16	01/07/92	16	na	ND	ND	ND	ND
SB-3-31	"	31	na	ND	ND	ND	ND
SB-3-41	"	41	na	ND	ND	ND	ND
SB-4-16	01/07/92	16	ND	ND	ND	ND	ND
SB-4-32	01/07/92	32	ND	ND	ND	ND	ND
SB-5-6	01/08/92	6	ND	ND	ND	ND	ND
SB-5-16	"	16	ND	ND	ND	ND	ND
SB-5-26	"	26	ND	ND	ND	ND	ND
SB-5-40	"	40	ND	ND	ND	ND	
LDL			1.0	0.005	0.005	0.005	0.015
			mg/kg				

See table notes following Table 6.

TABLE 1 (CONTINUED)

Sample Number	Date Sampled	Depth (FT BGS)	Method: CAL/DOHS TPH-G	EPA 8020 B	T	E	X
					(mg/kg)		
SB-6-15	01/08/92	15	ND	ND	ND	ND	ND
SB-7-26	01/08/92	26	ND	ND	ND	ND	ND
SB-7-35	"	35	ND	ND	ND	ND	ND
SB-8-11	01/10/92	11	ND	ND	ND	ND	ND
SB-8-25	"	25	ND	ND	ND	ND	ND
SB-8-30	"	30	ND	ND	ND	ND	ND
SB-9-16	01/10/92	16	ND	ND	ND	ND	ND
SB-9-31	"	31	ND	ND	ND	ND	ND
SB-9-40	"	40	ND	ND	ND	ND	ND
SB-10-15	01/14/92	15	ND	ND	ND	ND	ND
SB-10-29	"	29	ND	ND	ND	ND	ND
SB-10-39	"	39	ND	ND	ND	ND	ND
SB-11-15	01/13/92	15	ND	ND	ND	ND	ND
SB-11-19	"	19	ND	ND	ND	ND	ND
SB-12-15	01/13/92	15	ND	ND	ND	ND	ND
SB-12-20	"	20	ND	ND	0.1	ND	0.017
SB-12-25	"	25	ND	ND	ND	ND	ND
SB-12-40	"	40	ND	ND	ND	ND	ND
SB-12-43	"	43	ND	ND	ND	ND	ND
LDL			1.0	0.005	0.005	0.005	0.015
			mg/kg				

See table notes following Table 6.

TABLE 2

RESULTS OF TPH-D, TRPH AND HALOCARBON ANALYSES OF SOIL SAMPLES
COLLECTED FROM UNOCAL SERVICE STATION NO. 4734
9068 WEST GRAPEVINE, LEBEC, CALIFORNIA

			Method: CAL/DOHS TPH-D	EPA 418.1	EPA 8010
Sample Number	Date Sampled	Depth (FT BGS)	TPH-D	TRPH (mg/kg)	HALOCARBONS
HA-2-1	01/06/92	1	na	360	na
HA-2-5	"	5	na	370	na
HA-3-1	01/06/92	1	na	760	na
HA-3-3	"	3	na	680	na
SB-1-15	01/06/92	15	ND	na	na
SB-1-30	"	30	ND	na	na
SB-3-16	01/07/92	16	ND	na	na
SB-3-31	"	31	ND	na	na
SB-3-41	"	41	ND	na	na
SB-5-Surf	01/08/92	0.5	na	730	na
SB-7-26	01/08/92	26	ND	ND	ND
SB-8-11	01/10/92	11	ND	ND	ND
SB-8-25	"	25	na	ND	na
SB-8-30	"	30	na	ND	na
LDL			10	10	0.005
			mg/kg		

See table notes following Table 6.

TABLE 2 (CONTINUED)

RESULTS OF TPH-D, TRPH AND HALOCARBON ANALYSES OF SOIL SAMPLES
COLLECTED FROM UNOCAL SERVICE STATION NO. 4734
9068 WEST GRAPEVINE, LEBEC, CALIFORNIA

			Method: CAL/DOHS TPH-D	EPA 418.1	EPA 8010
Sample Number	Date Sampled	Depth (FT BGS)	TPH-D	TRPH (mg/kg)	HALOCARBONS
SB-9-31	01/10/92	31	ND	ND	ND
SB-13-10	01/14/92	10	na	ND	na
SB-13-20	"	20	na	ND	na
LDL			10	10	0.005
			mg/kg		

See table notes following Table 6.

TABLE 3

RESULTS OF METALS ANALYSES OF SOIL SAMPLES
COLLECTED FROM UNOCAL SERVICE STATION NO. 4734 AND TEJON RANCH PROPERTY
9068 WEST GRAPEVINE, LEBEC, CALIFORNIA

Method: EPA 6010

	Sample Number				
	HA-2-1	HA-3-1	SS-3-1	SS-10-1	LDL
Metals	(mg/kg)				(mg/kg)
Antimony	ND	ND	ND	ND	0.9
Arsenic	46	79*	1.6	3.8	2.7
Barium	68	68	71	42	0.058
Beryllium	0.18	0.20	0.35	0.21	0.020
Cadmium	0.62	0.97	0.42	0.32	0.12
Chromium	6.6	8.1	20	9.7	0.32
Cobalt	3.1	3.8	5.6	3.1	0.11
Copper	24	31	44	23	0.28
Molybdenum	0.49	0.47	0.89	1.0	0.32
Lead	4.8	5.2	59*	66*	0.81
Nickel	3.9	6.0	13	6.5	0.20
Selenium	ND	ND	ND	ND	1.6
Silver	ND	ND	ND	ND	0.18
Thallium	ND	ND	ND	ND	1.2
Vanadium	27	27	28	16	0.17
Zinc	26	30	80	95	0.11
EPA Method 7470					
Mercury	0.009	0.013	0.026	0 .015	0.005

* Value exceeds ten times Soluble Threshold Limit Concentration

See table notes following Table 6.

TABLE 4

RESULTS OF ANALYSES FOR SOLUBLE METAL CONCENTRATIONS SOIL SAMPLES COLLECTED FROM UNOCAL SERVICE STATION NO. 4734 AND TEJON RANCH PROPERTY

Method:		EPA 7421	IPC
Sample Number	Date Sampled	LEAD ---(mg/L)---	ARSENIC --(mg/L)---
HA-3-1	01/06/92	na	2.1
SS-3-1	01/07/92	ND	na
SS-10-1	01/08/92	0.039	na
LDL		0.010	0.054
		-------mg/L--------	

TABLE 5

FIELD OBSERVATIONS AND OVA READINGS
UNOCAL SERVICE STATION 4734 AND TEJON RANCH, LEBEC, CALIFORNIA

Sample ID	Depth (bgs)	OVA Readings (ppm)	Observations
HA-1-3	3	200	Soil stained to light greenish color
HA-2-1	6" - 1'	0	Light soil staining
HA-2-5	5'	0	No soil staining
HA-3-1	6" - 1'	0	Light soil staining
HA-3-3	3'	0	No soil staining
HA-4-1	6" - 1'	10	Heavy black asphaltic staining
HA-4-3	3	0	No soil staining
HA-4-8.5	8.5	0	No soil staining
SS-1-1	6" - 1'	0	Light soil staining
SS-1-2	2'	0	No soil staining
SS-1-4	4'	0	No soil staining
SS-2-1	6" - 1'	0	Light soil staining
SS-2-2	2'	0	No soil staining
SS-3-1	6" - 1'	15	Heavy soil staining, Wet
SS-3-2	2'	8	Light soil staining, Damp
SS-3-4	4'	<5	Light soil staining, Moist
SS-4-1	6" - 1'	0	Light soil staining Soil wet
SS-5-1	6" - 1'	0	No soil staining
SS-5-2	2'	0	No soil staining

TABLE 5 (CONTINUED)

FIELD OBSERVATIONS AND OVA READINGS
UNOCAL SERVICE STATION 4734 AND TEJON RANCH, LEBEC, CALIFORNIA

Sample ID	Depth (bgs)	OVA Readings (ppm)	Observations
SS-6-1	6" - 1'	0	Light soil staining
SS-6-2	2'	0	No soil staining
SS-6-4	4'	0	No soil staining
SS-7-1	6" - 1'	<5	Light soil staining
SS-7-2	2'	<5	No soil staining
SS-8-1	6" - 1'	<5	Light soil staining
SS-8-2	2'	<5	Light soil staining
SS-8-4	4'	0	No soil staining
SS-9-1	6" - 1'	5	Light soil staining
SS-9-2	2'	<5	Light soil staining
SS-9-4	4'	<5	No soil staining
SS-10-1	6" - 1'	50	Soil moderately stained
SS-10-2	2'	20	Light soil staining
SS-10-4	4'	6	Light Soil Staining
SS-11-1	6" - 1'	0	Soil wet, stained?
SS-11-2	2'	0	Soil dry, no staining
SS-11-4	4'	0	No soil staining
SS-12-1	6" - 1'	<5	Light soil staining
SS-12-2	2'	<5	No soil staining
SS-12-4	4'	0	No soil staining

TABLE 6

RESULTS OF TPH-G, BTEX, TPH-D AND TRPH ANALYSES OF SOIL SAMPLES
COLLECTED FROM TEJON RANCH PROPERTY ADJACENT TO UNOCAL SERVICE STATION NO. 4734
9068 WEST GRAPEVINE, LEBEC, CALIFORNIA

Sample Number	Date Sampled	Method: Depth (FT BGS)	CAL/DOHS TPH-G	EPA 8020 B	EPA 8020 T	EPA 8020 E	EPA 8020 X	TPH-D	EPA 418.1 TRPH
			(mg/kg)						
SS-1-1	01/07/92	1	na	na	na	na	na		ND
SS-2-1	01/07/92	1	na	na	na	na	na		ND
SS-3-1	01/07/92	1	96	0.30	1.2	0.42	2.7	ND	490
SS-3-2	"	2	ND	ND	ND	ND	ND		170
SS-3-4	"	4	na	na	na	na	na		ND
SS-4-1	01/08/92	1	ND	ND	ND	ND	ND	270**	120
SS-6-1	01/08/92	1	ND	ND	ND	ND	ND	ND	210
SS-6-2	01/09/92	2	na	na	na	na	na		190
SS-6-4	01/10/92	4	na	na	na	na	na		ND
SS-7-1	01/08/92	1	ND	ND	ND	ND	ND	ND	ND
SS-8-1	01/08/92	1	na	na	na	na	na		29
SS-8-2	"	2	na	na	na	na	na		56
SS-9-1	01/08/92	1	na	na	na	na	na		ND
LDL			1.0	0.005	0.005	0.005	0.015	10	10
			mg/kg						

**Sample contained TPH with higher boiling point than diesel.

See table notes follow Table 6.

TABLE 6 (CONTINUED)

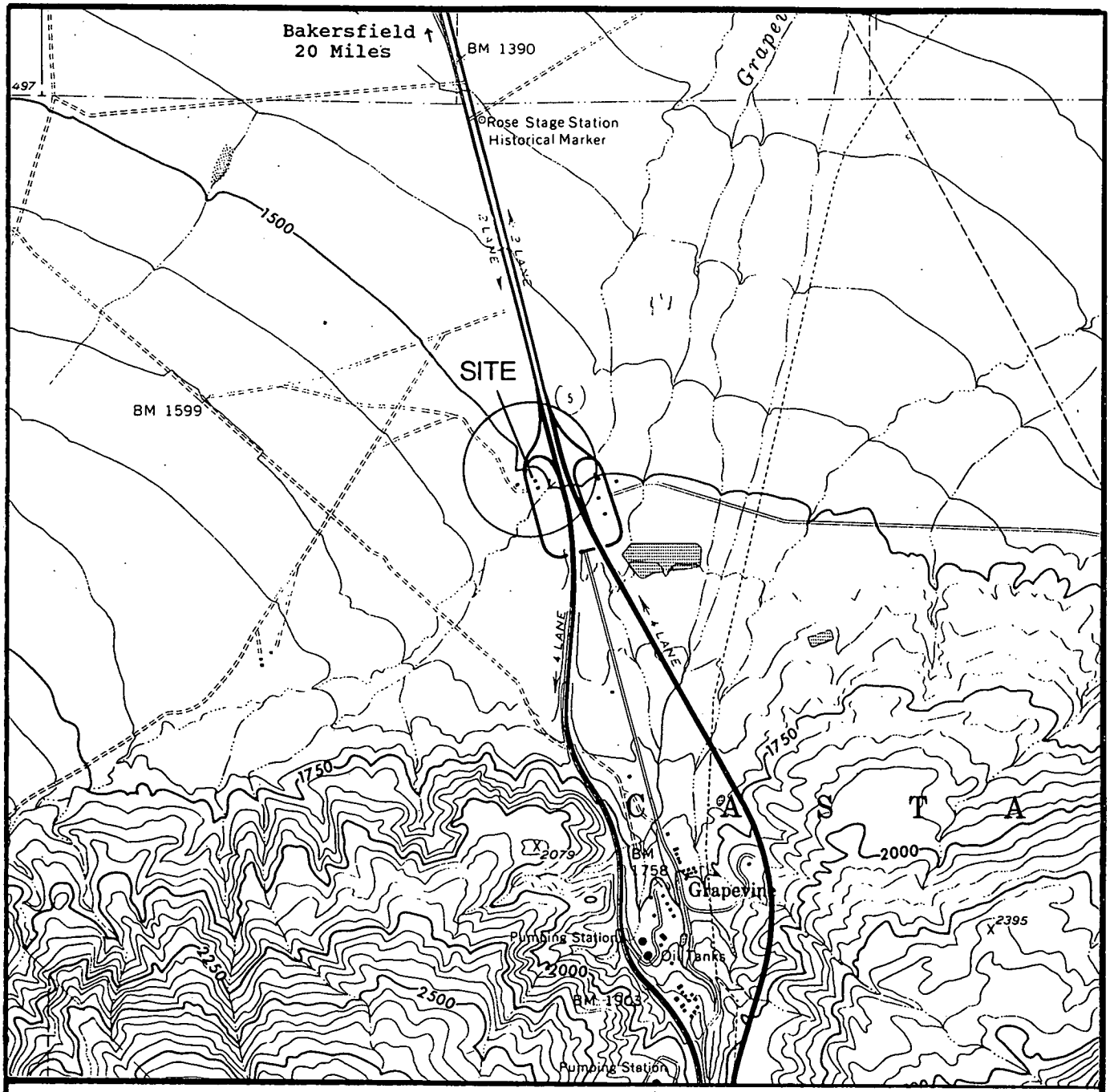
RESULTS OF TPH-G, BTEX, TPH-D AND TRPH ANALYSES OF SOIL SAMPLES
COLLECTED FROM TEJON RANCH PROPERTY ADJACENT TO UNOCAL SERVICE STATION NO. 4734
9068 WEST GRAPEVINE, LEBEC, CALIFORNIA

Method:			-------EPA 8020------					EPA 418.1
Sample Number	Date	Depth Sampled	TPH-G (FT BGS)	B	T	E	X	TRPH
			----------(mg/kg)----------					
SS-10-1	01/08/92	1	1,200	0.20	6.2	4.5	42	6,000
SS-10-2	"	2	na	na	na	na	na	ND
SS-11-1	01/08/92	1	na	na	na	na	na	ND
SS-12-1	01/08/92	1	na	na	na	na	na	ND
LDL			1.0	0.005	0.005	0.005	0.015	10
			----------mg/kg----------					

NOTES FOR TABLES:

CAL/DOHS	= California Department of Health Services
EPA	= U.S. Environmental Protection Agency
IPC	=
TPH-G	= total petroleum hydrocarbons as gasoline
TPH-D	= total petroleum hydrocarbons as diesel
TRPH	= total recoverable petroleum hydrocarbons
B	= benzene
T	= toluene
E	= ethylbenzene
X	= xylenes
FT	= feet
BGS	= below ground surface
mg/kg	= milligrams per kilogram
ND	= not detected (below laboratory detection limit)
na	= sample not analyzed for this parameter
LDL	= laboratory detection limit

Note: Nomenclature for some soil sample names on laboratory reports do not contain dashes (-).



NORTH

0 1/2 1 MILE

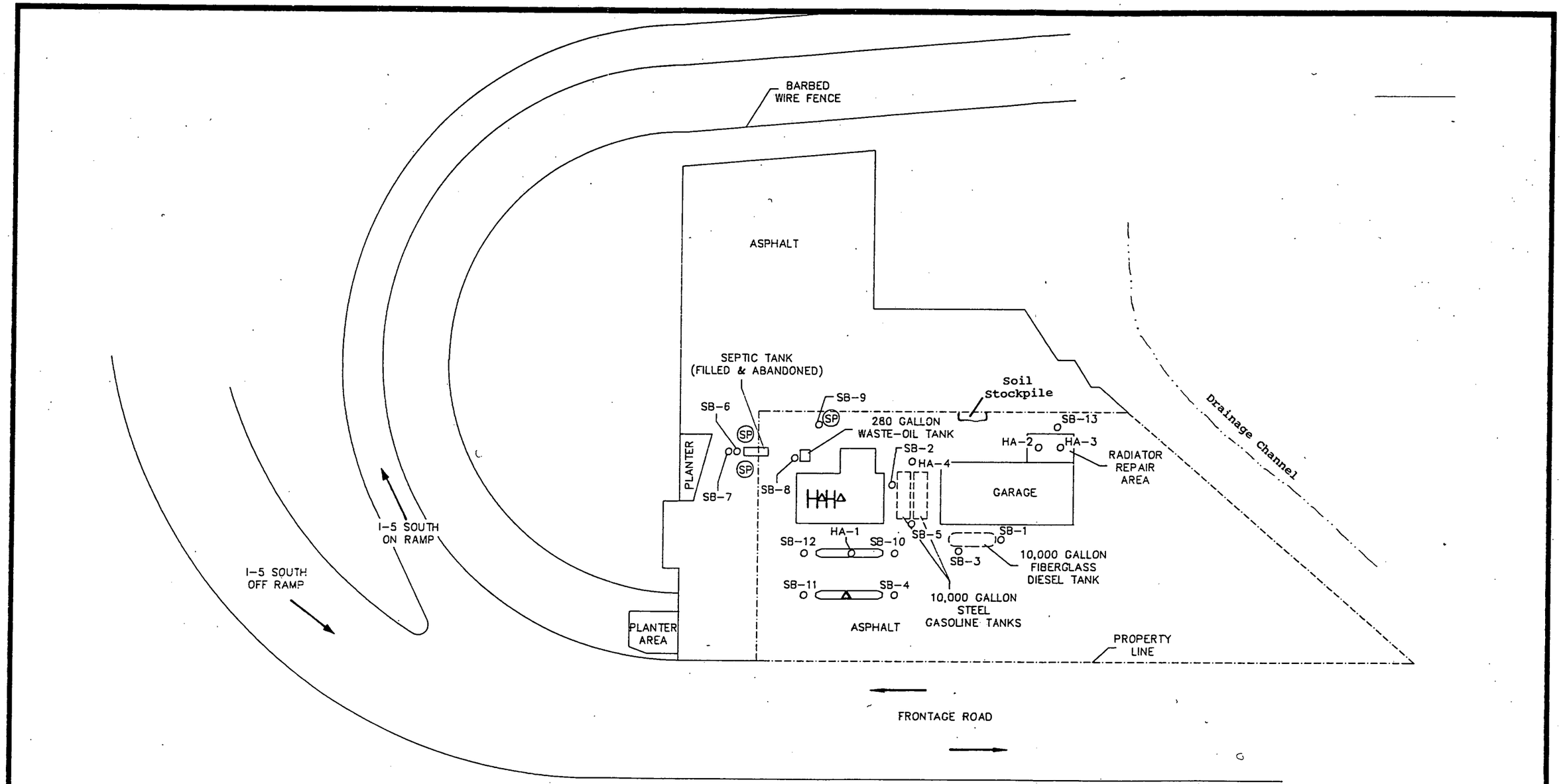
SCALE

REFERENCE:
U.S.G.S. GRAPEVINE QUADRANGLE, 1958,
PHOTOREVISED 1974

GeoResearch

SITE LOCATION
UNOCAL SERVICE STATION 4734
9608 WEST GRAPEVINE
LEBEC, CALIFORNIA
PROJECT NUMBER: 92075

DATE: 2/25/92	CKD BY:	FIGURE NO: 1
FILE NO: TOPO	2/9/92	DRAWN BY: S.NASH



LEGEND

- SB-7 (x) BORING LOCATION AND NUMBER
- (SP) SEEPAGE PIT – FILLED AND ABANDONED (PER UNOCAL DRAWING F19A69, DATED 7/19/61)
- HA-2 (o) HAND AUGER LOCATION
- △ ATTEMPTED HAND AUGER BORINGS

NORTH

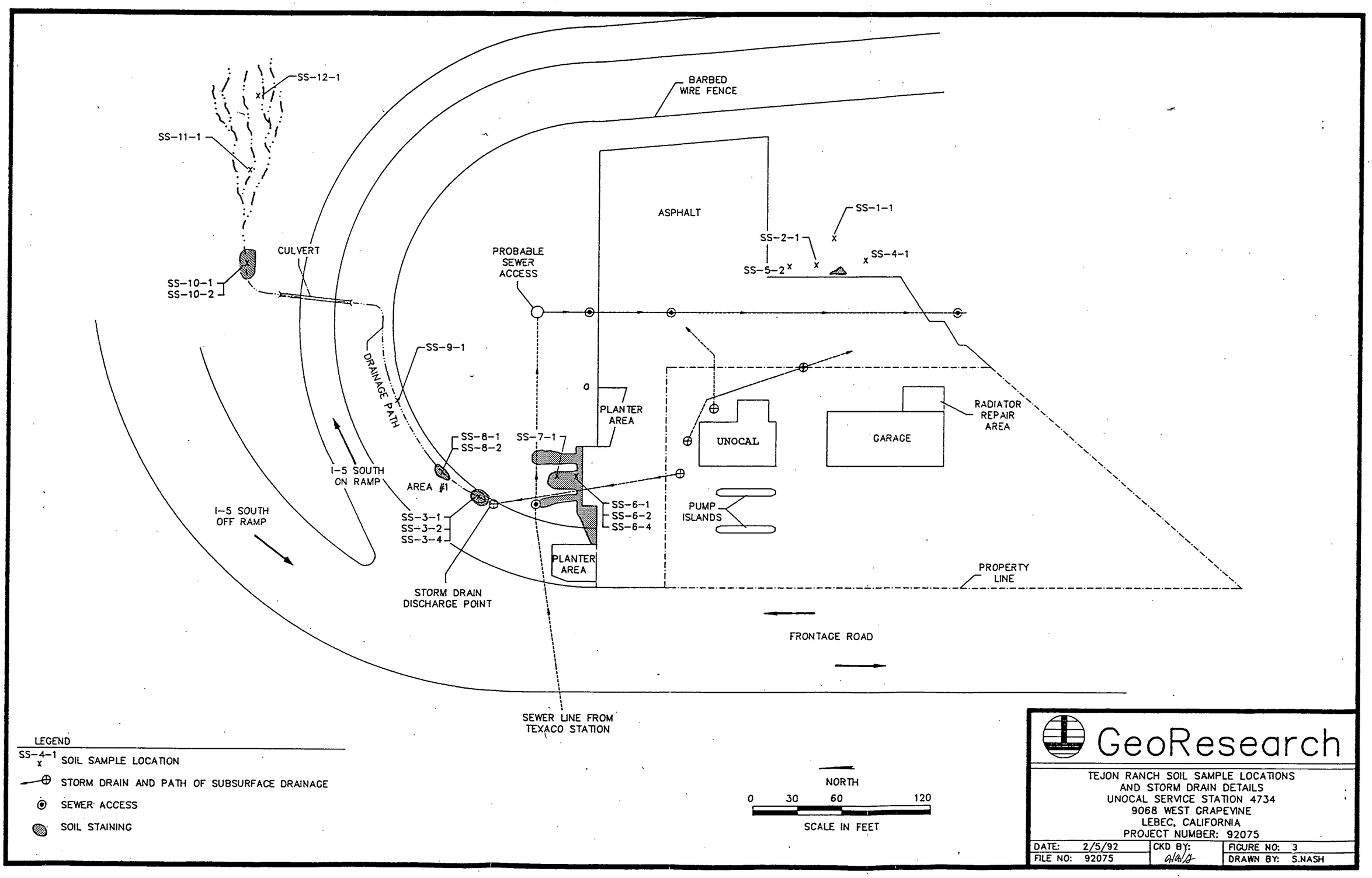
0 30 60 120

SCALE IN FEET

GeoResearch

SITE DIAGRAM WITH BORING LOCATIONS
UNOCAL SERVICE STATION 4734
9068 WEST GRAPEVINE
LEBEC, CALIFORNIA
PROJECT NUMBER: 92075

DATE: 2/5/92	CKD BY:	FIGURE NO: 2
FILE NO: 92075A		DRAWN BY: S.NASH



GeoResearch

TEJON RANCH SOIL SAMPLE LOCATIONS
AND STORM DRAIN DETAILS
UNOCAL SERVICE STATION 4734
9068 WEST GRAPEVINE
LEBEC, CALIFORNIA
PROJECT NUMBER: 92075

DATE: 2/5/92	CKD BY:	FIGURE NO: 3
FILE NO: 92075		DRAWN BY: S.NASH

APPENDIX A

KERN COUNTY ENVIRONMENTAL HEALTH SERVICES DEPARTMENT
REPORT OF INVESTIGATION

RESOURCE MANAGEMENT AGENCY

DOALL L. ABBOTT
DIRECTOR

DAVID PRICE III
ASSISTANT DIRECTOR

Environmental Health Services Department
STEVE McCALLEY, REHS, DIRECTOR

Air Pollution Control District
WILLIAM J. RODDY, APCO

Planning & Development Services Department
TED JAMES, AICP, DIRECTOR

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

December 10, 1991

RECEIVED
DEC 12 1991

Mr. Jeff Warren
Tejon Ranch
P.O. Box 1000
Lebec, CA 93243

D. W. DASSLER
DEC 16 1991

Dear Mr. Warren:

This office received a complaint on October 7, 1991, regarding the dumping of antifreeze coolant and waste oil onto the ground at the Union 76 Service Station at the bottom of the Grapevine.

An investigation was conducted the following day. The following are violations of the California Health and Safety Code, Section 25250.5:

1. Parallel to the western access road on the east side and north of the 76 Station, what appears to be waste oil and antifreeze/coolant were dumped in the dirt gutter. A portion of the contamination has crossed onto land owned by Tejon Ranch.

2. On the north side of the Union 76 Station there is an access driveway. It appears that motorists are stopping there and draining their motor oil and allowing it to run onto the soil. The ground here is at a slight angle and the oil runs directly from the asphalt onto the ground.

3. On the east side of the 76 Station, there appears to have been a waste oil spill to the ground.

To determine if the contaminated soil will be classified as a hazardous waste, sampling and laboratory analyses must be accomplished. Within thirty (30) days of receipt of this letter, you must excavate all visibly contaminated soil, place the soil onto plastic sheeting and cover it securely. A representative sample(s) must be collected and analyzed by a State Certified Hazardous Waste Laboratory for the following constituents: lead, arsenic, chromium, cadmium, total halogens, and polychlorinated biphenyls (PCB's). In addition, if

"M" STREET, SUITE 300 BAKERSFIELD, CALIFORNIA 93301

(805) 861-3636
FAX: (805) 861-3429

laboratory analyses prove to exceed State regulatory criteria, remediation must also take place within thirty (30) days of receipt of these results. You must acquire an EPA generator number to dispose of a hazardous waste. You may obtain an EPA number by contacting the Department of Toxic Substances Control at (916) 324-1781.

Contact this office 48 hours prior to sampling. Forward a copy of the laboratory results to this office for review within fifteen (15) days of sampling.

In addition, during our inspection a metal plate was discovered covering an opening to the ground at the southeast corner of the old garage. Officials of the Unocal Corporation and Grapevine 76 Service Station have been unable to determine the status of this opening. Please determine the use of this opening and the terminus of any discharge from it.

If you have any questions, you may contact me at (805) 861-3636, extension 582.

Sincerely,

Terry L. Gray
Hazardous Materials Inspector
Hazardous Materials Management Program

TLG:ch

Certified number: P 767 335 959

cc: Department of Toxic Substances Control Program
Unocal Corporation

grapvine76.ltr

APPENDIX B

UNAUTHORIZED RELEASE/CONTAMINATION SITE REPORT

GeoResearch

FILE COPY

1713 Tulare. Suite 113
Fresno, California 93721
(209) 264-0444
(800) 523-4786

January 14, 1992

Mr. Bob Boust
Unocal Refining and Marketing Division
Unocal Corporation
2000 Crow Canyon Place, Suite 400
San Ramon, CA 94583

RE: Service Station No. 4734, 9068 W. Grapevine Road, Lebec, California. GeoResearch Project No. 92075

Dear Bob,

Enclosed please find a copy of the Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report for the above-referenced site which was submitted on your behalf to the Kern County Environmental Health Services Department (KCEHD). Mr. Chris Finberg of the KCEHD has informed GeoResearch that it is their policy to forward the proper copies of the form to their respective agencies. If you have any questions please contact me at (209) 264-0444.

Sincerely,

Warren W. Gross

Warren W. Gross
Senior Geologist

enclosure: Copy of UST unauthorized release form with cover letter to KCEHD

GeoResearch

1713 Tulare, Suite 113
Fresno, California 93721
(209) 264-0444
(800) 523-4786

January 10, 1992

Mr. Chris Finberg
Kern County Environmental Health Services
2700 "M" Street, Suite 300
Bakersfield, CA 93301

RE: Unocal Service Station #4734, 9068 W. Grapevine Road, Lebec, California. GeoResearch Project No. 92075

Dear Mr. Finberg,

Enclosed please find the Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report for the above-referenced site submitted on behalf of Unocal Corporation. If you have any questions please contact me at (209) 264-0444.

Sincerely,

Laurie Kochian

Laurie Kochian
Technical Assisstant

enclosure

cc: Bob Boust, Unocal

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY ☐ YES ☒ NO

HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☒ YES ☐ NO

REPORT DATE: 01/08/92

CASE #: 21241

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.
SIGNED _____ DATE _____

REPORTED BY

NAME OF INDIVIDUAL FILING REPORT: Blair Redfearn
PHONE: (209) 264-0444
SIGNATURE: Blair Redfearn

REPRESENTING ☐ OWNER/OPERATOR ☐ REGIONAL BOARD ☐ LOCAL AGENCY ☒ OTHER Enviro. Consult.
COMPANY OR AGENCY NAME: GeoResearch

ADDRESS: 1713 Tulare, Suite 113 (STREET) Fresno (CITY) CA (STATE) 93721 (ZIP)

RESPONSIBLE PARTY

NAME: Unocal Corporation ☐ UNKNOWN
CONTACT PERSON: Bob Boust
PHONE: (510) 277-2334

ADDRESS: 2000 Crow Canyon Place, Suite 400 (STREET) San Ramon (CITY) CA (STATE) 94583 (ZIP)

SITE LOCATION

FACILITY NAME (IF APPLICABLE): Unocal #4734
OPERATOR: R.J. Rose
PHONE: (805) 327-2903

ADDRESS: 9068 W. Grapevine Road (STREET) Lebec (CITY) Kern (COUNTY) (ZIP)

CROSS STREET: Interstate 5

IMPLEMENTING AGENCIES

LOCAL AGENCY: Kern Cnty Environ. Health Service
CONTACT PERSON: Chris Finberg
PHONE: (805) 861-3636

REGIONAL BOARD:
PHONE: ( )

SUBSTANCES INVOLVED

(1) NAME: Unleaded Gasoline
QUANTITY LOST (GALLONS): 18 ☐ UNKNOWN

(2) ☐ UNKNOWN

DISCOVERY/ABATEMENT

DATE DISCOVERED: 01/06/92
HOW DISCOVERED: ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☐ TANK TEST ☐ TANK REMOVAL ☒ OTHER cut line

DATE DISCHARGE BEGAN: 01/06/92 ☐ UNKNOWN

HAS DISCHARGE BEEN STOPPED? ☒ YES ☐ NO IF YES, DATE 01/06/92

METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)
☐ REMOVE CONTENTS ☐ CLOSE TANK & REMOVE ☐ REPAIR PIPING
☐ REPAIR TANK ☐ CLOSE TANK & FILL IN PLACE ☐ CHANGE PROCEDURE
☐ REPLACE TANK ☒ OTHER turn off power to pumps

SOURCE/CAUSE

SOURCE OF DISCHARGE
☐ TANK LEAK ☐ UNKNOWN
☒ PIPING LEAK ☐ OTHER

CAUSE(S)
☐ OVERFILL ☐ RUPTURE/FAILURE ☐ SPILL
☐ CORROSION ☐ UNKNOWN ☒ OTHER cut

CASE TYPE

CHECK ONE ONLY
☐ UNDETERMINED ☒ SOIL ONLY ☐ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS

CHECK ONE ONLY
☐ NO ACTION TAKEN ☐ PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED ☐ POLLUTION CHARACTERIZATION
☐ LEAK BEING CONFIRMED ☒ PRELIMINARY SITE ASSESSMENT UNDERWAY ☐ POST CLEANUP MONITORING IN PROGRESS
☐ REMEDIATION PLAN ☐ CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) ☐ CLEANUP UNDERWAY

REMEDIAL ACTION

CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)
☐ CAP SITE (CD) ☒ EXCAVATE & DISPOSE (ED) ☐ REMOVE FREE PRODUCT (FP) ☐ ENHANCED BIO DEGRADATION (IT)
☐ CONTAINMENT BARRIER (CB) ☐ EXCAVATE & TREAT (ET) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ REPLACE SUPPLY (RS)
☐ VACUUM EXTRACT (VE) ☐ NO ACTION REQUIRED (NA) ☐ TREATMENT AT HOOKUP (HU) ☐ VENT SOIL (VS)
☐ OTHER (OT) _____

COMMENTS

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (213) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

GEORESEARCH
3960 GILMAN STREET
LONG BEACH, CA 90815

ATTENTION: WARREN GROSS

DATE SAMPLED : 10/31/91
DATE RECEIVED: 11/04/91
DATE ANALYZED: 11/05/91
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-11
ANALYSES: 418.1

PROJECT NAME: UNOCAL #4734
LOCATION: I-5 AT GRAPEVINE
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY INFRARED SPECTROMETRY
EPA METHOD 418.1

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
COMPOSITE OF S1 THRU S6	1000	10

ND - Not detected below indicated limit of detection.

Analyst: TR

Reviewed and Approved: _____
Report date: 11/6/91

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

DEPARTMENT OF HEALTH SERVICES
96-HOUR ACUTE AQUATIC
TOXICITY BIOASSAY

Prepared for:

GEOTEST

Prepared by:

MBC Applied Environmental Sciences
947 Newhall Street
Costa Mesa, California

November 1991

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INTRODUCTION

Title 22, Section 66261.24, Article 6 of the California Code of Regulations establishes the criteria for the identification of hazardous and extremely hazardous waste. The Department of Health Services compiles and evaluates analytical data for compliance with the toxicity criteria for potentially hazardous waste.

These analytical data have been derived from water and environmental samples submitted to laboratories certified by the Department of Health Services for analysis. The California Department of Health Services 96-Hour Acute Aquatic Toxicity testing assures compliance to the California Code of Regulations and minimizes risk to the environment or threat to public health.

Laboratory certification by the Department of Health Services standardized the toxicity testing program by requiring certification of testing laboratories and by utilizing the procedures set forth by Dr. James Polisini, Department of Fish and Game, Water Pollution Control Laboratory. Following this methodology, a waste can be evaluated for potential hazardous waste declassification.

Toxicity testing conducted by MBC for this report was a static non-renewal acute toxicity test following Standard Methods and the procedures of Dr. James Polisini. Death was the effect measured and toxicity was reported as percent survivorship at 250 *mg/ℓ*, 500 *mg/ℓ* and 750 *mg/ℓ* concentrations. Original data worksheets will remain on file at MBC.

MATERIALS AND METHODS

Facilities

The bioassay was conducted in a laboratory located away from disturbances of non-laboratory personnel or other laboratory or heavy equipment. The laboratory, measuring approximately 12 x 16 ft, is insulated to protect it from rapid temperature changes. Shelves were provided which allow a capacity of 80 or more 5-gallon aquaria, as well as bench space for laboratory equipment and instruments.

Lighting was provided by double lamp, 8 ft fluorescent fixtures that were regulated by a 24-hour timer. The light was maintained on for 12 hours per day and off for 12 hours at night.

The temperature of the bioassay laboratory was maintained by a commercial 1-1/2 ton climate control unit. Temperature was controlled by a wall-mounted thermostat which provided accuracy to ± 2°C.

A Model 2133 Rustrak continuous recording thermograph monitored the laboratory's temperature 24 hours per day. The Rustrak was calibrated as necessary to insure accuracy. A recording max-min thermometer was maintained within the laboratory to provide "back-up" temperature variation information.

Low pressure air was supplied to the bioassay laboratory for the purpose of slowly bubbling air into the exposure tanks to maintain an acceptable dissolved oxygen concentration. Filtered air was supplied via a Sutor-bilt oil-less blower which provides up to 340 ℓ/min at 0.35 kg/cm^2. The blower was equipped with a pressure equalizing expansion chamber and an adjustable pressure relief valve to maintain a constant delivery pressure and volume. Air was delivered to the bioassay room through PVC piping with numerous individual flow valves. Individual aquaria receive air through commercial plastic aquarium air tubing and a 3 mm inside diameter by 30 cm long soft glass tube which reached the bottom of the test container. Air was bubbled into the aquaria at a rate of approximately 30 *mℓ* /min following the guidelines of Kopperdahl (1976) and Peltier and Weber (1985).

Test Containers

The bioassay was conducted in 5-gallon glass aquaria, approximately 26 cm high, 21 cm wide, and 41 cm long. For the definitive test, the aquaria contained a total of 15 liters of waste material and/or dilution softwater which provided a water depth within the test aquaria of approximately 20 cm.

Test containers were cleaned thoroughly with Liqui-Nox brand commercial glassware detergent and hot water, rinsed five times with hot water and soaked in a 10% HCl acid bath for a minimum of four hours and then rinsed five times with deionized water. In some cases it had been necessary to wash the test containers with an organic solvent prior to washing with the detergent to remove oil or tar-like droplets which adhere to the surface of test containers.

Determination of Water Quality Parameters

After dosage of the appropriate concentration of waste sample to the test aquaria, and at 24, 48, 72, and 96 hours subsequent to initiation of the bioassay exposures, the following instrumentation was utilized to determine water quality parameters for each of the test and control aquaria for pH, dissolved oxygen and temperature. Total alkalinity and hardness, both expressed as *mg/ℓ* $CaCO_3$, were determined for subsamples of dilution water and the 750 *mg/ℓ* concentration was obtained immediately prior to initiation and at the completion of bioassay testing.

A Cole-Parmer Model 5566 water analyzer was utilized for determining the pH of the exposure solutions. After stabilization of the reading, the pH was recorded on the static bioassay worksheet to the nearest 0.1 pH unit.

Dissolved oxygen concentrations (*mg/ℓ*) were determined by gently swirling the Cole-Parmer Model 5566 water analyzer in the aquarium to be monitored. Dissolved oxygen concentrations were recorded on the static bioassay worksheet to the nearest 0.1 *mg/ℓ*, only after stabilization of the reading.

Exposure temperature was determined by the Cole-Parmer Model 5566 water analyzer calibrated by a mercury bulb thermometer graduated to 0.1°C with calibration traceable to the National Bureau of Standards.

Alkalinity values were calculated by potentiometric titration to a preselected pH of 4.6 utilizing Method 403, *Standard Methods* (16th Edition).

Hardness values were calculated by the EDTA titration utilizing Method 314 B, *Standard Methods* (16th Edition).

BIOASSAY PREPARATION

Receiving and Acclimating Fish

The fathead minnows, *Pimephales promelas*, were received from the supplier at least 14 days prior to initiation of bioassay testing. Shipment of the test fish in hard freshwater and an atmosphere of bottled oxygen from the Thomas Fish Company located in Anderson, California was via Greyhound Bus Lines overnight to MBC. Upon receipt of the test fish, the plastic bags containing the fathead minnows were floated on the surface of an appropriately sized aquarium containing aged local (hard) drinking water in the temperature controlled bioassay laboratory. When the temperature of the water in the shipping water was within 0.5°C of the holding tank, each plastic bag was opened and the fish were gently eased into the initial acclimation water containing 0.066 *mg/ℓ* Methylene Blue, 3.22 *mg/ℓ* Nitrofurazone and 0.645 *mg/ℓ* Furazolidone as bactericidal agents. These bactericides were effective against both gram-negative and

gram-positive bacteria as well as fungus. These concentrations of bactericides were maintained in the acclimation water, while the hardness is slowly decreased to that of the reconstituted softwater utilizing a reservoir and siphons to slowly change over the water following guidelines in *Standard Methods* (16th Edition). The test fish were subsequently gently transferred using a fine mesh dip net to the maintenance tank for further acclimation until initiation of the bioassay.

During the acclimation period, up until 48 hours prior to initiation of the bioassay, the fathead minnows were maintained on a diet of Tetramin brand flake food and San Francisco Bay Brand frozen brine shrimp. Tetramin flake food was fed in the morning and brine shrimp in the evening, while observing the behavior and monitoring the quality of the acclimating fish. The quantity of food delivered at each feeding was based upon the quantity which the tank population would completely consume within approximately five minutes of feeding. During these observations, any sick or dead fish were removed and the numbers of each, as well as any observations, were noted in the acclimation tank log book.

Dilution Water Preparation

Dilution water for the bioassay was prepared following the formulation of Kopperdahl (1976) and Horning and Weber (1985) for artificially reconstituted softwater. The following table indicates the quantities of reagent grade chemicals utilized in preparing the synthetic freshwater. Reconstituted softwater was prepared in 208 liter linear polyethylene barrels by addition of the salts to deionized (resin exchange column) water followed by thorough mechanical mixing at least 48 hours prior to initiation of the bioassay. The reconstituted softwater was maintained within the same temperature-controlled laboratory in which the test fish were acclimated, and the bioassay was performed to ensure against any significant difference between acclimation and test water temperature which might induce additional stress in the test fish.

Quantities of reagent grade chemicals required to prepare reconstituted softwater and expected water qualities.

$NaHCO_3$	48.0 *mg/ℓ*
$CaSO_4$ $2H_2O$	30.0 *mg/ℓ*
$MgSO_4$	30.0 *mg/ℓ*
KCl	2.0 *mg/ℓ*
pH	7.2-7.8
Total Hardness:	40-48 *mg/ℓ* $CaCO_3$
Total Alkalinity:	30-35 *mg/ℓ* $CaCO_3$

Handling and Storage of the Waste Sample

The sample was composited in a 177 mℓ clear glass jar by a Geotest representative. The sample was kept on ice and delivered to MBC Applied Environmental Sciences' laboratories located in Costa Mesa, California, on 4 November 1991.

Upon arrival at MBC, the sample was listed in the Bioassay Sample Log Book located in the bioassay laboratory by the Manager of Technical Services. The sample was prepared immediately for bioassay testing. The remaining portion of the sample was stored at 4°C in a designated area of the cold storage locker labeled "SAMPLES FOR HAZARDOUS WASTE TESTING".

Qualitative Description of the Waste Sample

The qualitative description of the waste sample was as follows:

MBC sample number 92-056- Client identification: Composite of S-1, S-2, S-3, S-4, S-5 and S-6

A moist light brown fine sandy soil with some tarry clumps and a moderate petroleum odor.

WASTE SAMPLE PREPARATION

Dry Waste Material

The sample contained non-friable solid particles which did not pass through a #10 (two millimeter) sieve but could contain hazardous constituents. The portion of waste which remained on the #10 sieve was placed in a Pulverisette II automatic grinder for 5 minutes. The two portions of the sample were combined, mechanically homogenized and resieved. The sample was then weighed into pre-tared Erlenmeyer flasks to yield final replicate sample concentrations of 250 *mg/ℓ*, 500 *mg/ℓ*, and 750 *mg/ℓ*. Approximately 200 *mℓ* of dilution water was added to each flask. The flasks were capped with parafilm, a neoprene stopper and aluminum foil and mechanically shaken for six hours.

TOXICITY TESTING

Dosing Test Aquaria

After shaking, the sample was dosed into the appropriately marked aquaria containing approximately 14 liters of dilution water. Dilution water was then added to the 15 liter mark to yield a final volume of 15 liters for all test conditions.

A reconstituted softwater (dilution water only) control was established as a quality assurance measure. All test conditions and controls were run concurrently.

Initial Water Quality Measurements

Prior to the addition of the test fish, preliminary water quality measurements were taken for dissolved oxygen and pH to determine if adjustment is necessary (Polisini 1988). No adjustment was necessary to either parameter.

An initial hardness and alkalinity test analysis was performed on the control and the 750 *mg/ℓ* concentration.

Addition of Test Fish

The test fish (fathead minnows) were gently corralled and dip netted in small groups from the plexiglass maintenance tank into smaller aquaria to confirm species identity and the healthy condition of each individual fish to be utilized in the test. Fish exhibiting any abnormalities, disease, wounds, or unusual behavior or color patterns were removed and destroyed. Those fish which passed the individual screening inspection were randomly allocated to test aquaria and controls.

Ten fathead minnows were gently released into each of the test aquaria replicate and the control, taking care not to allow the dip nets to contact the exposure media.

Observations

Water quality parameters, enumeration of live organisms and any ancillary observations pertinent to the conduct of the bioassay were taken and recorded on the bioassay worksheets at initiation and subsequently at 24, 48, 72, and 96 hours after initiation of the bioassay exposures. Daily water quality parameters, live organism enumeration and ancillary observations are listed in Appendix A.

Alkalinity and Hardness Analysis

Total alkalinity and hardness, both expressed as *mg/ℓ* $CaCO_3$, were determined by replicate samples utilizing the procedures in Method 403 and 314B, *Standard Methods* (16th Edition). Subsamples of the dilution water control and the 750 *mg/ℓ* concentration were obtained immediately prior to initiation and at the completion of bioassay testing and the results are presented on the bioassay worksheets.

Determination of Test Fish Lengths and Weights

At the conclusion of the test, 20 of the surviving fish were wet weighed to the nearest 0.1 gram on an analytical balance and measured to the nearest millimeter. The data were recorded on a Bioassay Fish Weight/Length Measurements form. All surviving fish were then destroyed following the procedures in *Standard Methods* (16th Edition). Measurements are presented in Appendix B.

RESULTS

Standard DOHS Screening Bioassay

The 96-Hour Acute Aquatic Toxicity testing conducted by MBC was a static, non-renewal testing following the procedures in *Standard Methods* (16th Edition) and the procedures of Dr. James Polisini (1988). Death was the effect measured and toxicity was reported as percent survivorship at 250 *mg/ℓ*, 500 *mg/ℓ* and 750 *mg/ℓ* concentrations. Original data worksheets will remain on file at MBC.

MBC sample number: 92-056 - Client Identification: 92400-11
Composite of S-1, S-2, S-3, S-4, S-5 and S-6

PERCENT SURVIVORSHIP

250 *mg/ℓ*	100%
500 *mg/ℓ*	100%
750 *mg/ℓ*	100%

The soil sample 92400-11 Composite of S-1, S-2, S-3, S-4, S-5 and S-6 PASSED the DOHS 96-Hour Acute Aquatic Toxicity testing at all concentrations tested. Currently, Title 22, Section 66261.24, Article 6 of the California Code of Regulations requires wastes to pass the 96-Hour Aquatic Toxicity testing with greater than 50% survival at the 500 *mg/ℓ* concentration for compliance. Utilizing the analytical data obtained from this test, the Department of Health Services can now evaluate the material for hazardous waste declassification.

REFERENCES

American Public Health Association (APHA), American Water Works Association (AWWA) and Water Pollution Control Federation (WPCF). 1985. 16th Edition. Standard methods for examination of water and wastewater. 1134 pp.

American Society for Testing and Materials (ASTM). 1982. Parts 23 and 24.

Environmental Protection Agency. 1979b. Methods for Chemical Analysis of Water and Wastes. EPA-600/4-79-020.

Horning II, W. B., and C. I. Weber. 1985. Short-term methods for estimating the chronic toxicity of effluents and receiving waters to freshwater organisms. EPA/600/4-85/014. 162 pp.

Kopperdahl, F. R. 1976. Guidelines for performing static acute toxicity fish bioassays in municipal and industrial wastewaters. Report to California State Water Resources Control Board by Department of Fish and Game. 65 pp.

Peltier, W. H., and C. I. Weber. 1985. Methods for measuring the acute toxicity of effluents to freshwater and marine organisms (Third Edition), EPA/600/4-85/013. 216 pp.

Plumb, R. H., Jr. 1981. Procedure for handling and chemical analysis of sediment and water samples. Technical report EPA/CE-81-1 prepared by Great Lakes Laboratory, State University College at Buffalo, Buffalo, New York for the U.S. Environmental Protection Agency/Corps of Engineers Technical Committee on Criteria for Dredged and Fill Material. Published by the U.S. Army Engineer Waterways Experiment Station, CE, Vicksburg, Mississippi.

Polisini, J. M. 1988. Static acute bioassay procedures for hazardous waste samples. California Fish and Game, Water Pollution Control Laboratory.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW - 846, 2nd edition, U.S. Environmental Protection Agency, 1982.

APPENDIX A
DAILY WATER QUALITY PARAMETERS AND LIVE ORGANISM ENUMERATION DATA SHEET

DEPARTMENT OF HEALTH SERVICES ACUTE AQUATIC TOXICITY BIOASSAY

Job No.: 92407X Client: GEOTEST Date Sampled: 11/4/91 Date Started: 11/5/91

MBC Sample #: 92-056 Sample Identification: 92400-11 Time Sampled: -- Time Started: 1600 hrs

Composite of S-1, S-2, S-3, S-4, S-5, and S-6

Aquar #	Test Conc.	0 Hours				24 Hours				48 Hours				72 Hours				96 Hours			
		pH	DO	Temp	Live	pH	DO	Temp	Live	pH	DO	Temp	Live	pH	DO	Temp	Live	pH	DO	Temp	Live
	Control	7.0	8.2	21.0	10	7.6	7.9	21.9	10	6.9	7.4	22.2	10	6.9	7.8	21.9	10	7.1	7.9	21.2	10
1	250 mg/l	7.0	7.6	21.0	10	7.6	6.9	21.9	10	7.1	6.9	22.2	10	7.0	7.6	21.9	10	7.5	7.8	21.2	10
2	250 mg/l	7.1	8.5	20.9	10	7.6	6.8	21.5	10	7.3	7.7	21.7	10	7.0	7.0	21.9	10	7.5	7.4	21.0	10
3	500 mg/l	7.1	8.0	20.9	10	7.6	6.8	21.5	10	7.3	7.5	21.7	10	7.2	7.6	21.6	10	7.6	7.4	21.0	10
4	500 mg/l	7.1	8.3	21.0	10	7.5	7.1	21.6	10	7.3	6.7	21.7	10	7.2	7.3	21.6	10	7.6	7.4	21.0	10
5	750 mg/l	7.1	8.1	21.0	10	7.6	7.7	21.4	10	7.2	7.5	21.6	10	7.2	7.8	21.4	10	7.7	7.9	21.0	10
6	750 mg/l	7.1	8.2	21.0	10	7.4	6.0	21.5	10	7.2	7.6	21.5	10	7.3	7.7	21.4	10	7.7	8.1	21.0	10

Species: Fathead minnow
(Pimephales promelas)

Avg. Length (mm): 39.5 Max. length (mm): 41.0 Min. Length (mm): 38.0
Avg. Weight (gm): 0.73 Max. weight (gm): 0.88 Min. Weight (g): 0.61

No. of fish/replicate concentration: 10
Volume of Test Solution: 15 liters
Acclimatization: 10 days at 20oC

Depth (cm): 20 cm
Percent dead in acclimatization tank: <1%

Type Aeration: as per Polisini (1988)
Dilution Water Source: Reconstituted softwater

Range	Min.	Max.
pH Range:	6.9	7.7
DO Range:	6.0	8.5
Temp Range:	20.9	22.2

	Control	750 mg/l
Initial Hardness:	113.0	112.0
Final Hardness:	113.0	114.0

	Control	750 mg/l
Initial Alkalinity:	24.0	26.0
Final Alkalinity:	26.0	28.0

Notes: Normal
(Describe condition of fish during test especially any abnormalities in behavior & color).

RESULTS:

Concentration	% Survival
Control	100%
250 mg/l	100%
500 mg/l	100%
750 mg/l	100%
LC 50	>750mg/l

Technician: Martina Burden

APPENDIX B
BIOASSAY FISH LENGTH AND WEIGHT DATA SHEET

Bioassay Fish Length/Weight Measurements

JOB NO.: 92407X

CLIENT: GEOTEST

MBC SAMPLE NO.: 92-056

DATE OF TEST: 5 November 1991

SPECIES: Fathead minnow
(Pimephales promelas)

SAMPLE DESCRIPTION: 92400-11
Composite of S-1, S-2, S-3, S-4, S-5, and S-6

	Standard Length mm	Weight g		Standard Length mm	Weight g
1.	39	0.70	11.	41	0.83
2.	39	0.66	12.	39	0.77
3.	40	0.66	13.	39	0.71
4.	39	0.70	14.	41	0.88
5.	40	0.80	15.	39	0.70
6.	40	0.73	16.	40	0.86
7.	40	0.69	17.	39	0.74
8.	39	0.71	18.	39	0.73
9.	40	0.73	19.	39	0.68
10.	39	0.61	20.	38	0.66

Avg length (mm):	39.5	Max length:	41.0	Min length (mm):	38.0
Avg weight (mm):	0.73	Max weight	0.88	Min weight (mm):	0.61

Technician: Maitria Bridges

Date: 11 NOV 91

APPENDIX C

GEORESEARCH PROCEDURES AND ANALYTICAL METHODS

NEEDS REVISED ADDITION

GEORESEARCH PROCEDURES FOR SOIL SAMPLING USING A HAND AUGER

The following outline describes the procedures utilized by GeoResearch for soil sampling utilizing a hand auger.

i. The clean sampler is lined with two clean, 1.5-inch diameter, stainless steel or brass tube and advanced to a specified depth where two samples can be obtained by driving the sampler into the soil with the drive hammer.

ii. The tubes are removed from the sampler. The ends of each or either tube are covered with aluminum foil, covered with plastic caps, and taped with duct tape.

iii. Each collected soil sample is labeled, recorded on a Chain-of-Custody record and placed on ice for transport to a certified hazardous waste laboratory.

GEORESEARCH PROCEDURES FOR SOIL SAMPLING DURING DRILLING

The following outline describes the procedures utilized by GeoResearch for soil sampling during drilling, using hollow-stem, continuous-flight augers.

i. Soil samples are collected using a 2.0 to 2.5-inch inside diameter, modified California split-spoon sampler. The sampler is lined with two to three, 6-inch long, 2.0 to 2.5-inch diameter brass rings for containment of the soil samples.

ii. To avoid cross-contamination of samples, the sampler and rings are washed prior to each use with non-phosphate detergent and double rinsed with distilled water.

iii. At the prescribed sampling interval of 5 feet, the sampler is attached to the drive rod and driven 18 inches into undisturbed soil below the lead auger with a 140-pound hammer that is repeatedly dropped from a 30-inch height. The number of drops is recorded during each 6-inch increment and used as a qualitative determination of soil consistency and density.

iv. The lead, or deepest, brass ring is recovered from the sampler, sealed by taping aluminum foil and plastic caps onto both ends, labeled, placed in a Zip-loc bag, and stored on blue ice while awaiting delivery to the laboratory for chemical analysis.

v. The sample is recorded onto a Chain-of-Custody form to ensure traceability of the sample.

vi. The sampled interval is classified using the remaining rings and described on a log of soil boring form, following the Unified Soil Classification System.

vii. Every 20th sample will be analyzed in duplicate to determine analytical precision and accuracy.

SUMMARIES OF LABORATORY ANALYTICAL METHODS: SOIL SAMPLES

The following briefly describes laboratory analyses performed on soil samples in accordance with the specified EPA or California Department of Health and Safety methods.

EPA Method 418.1: Total Recoverable Petroleum Hydrocarbons

Infrared spectrometry (IR) is utilized to define concentrations of total recoverable petroleum hydrocarbons (TRPH) in soil samples. Freon is used to extract potential hydrocarbons from the sample. The extractant is then analyzed by IR for TRPH concentrations.

Modified EPA Method 8015: Total Petroleum Hydrocarbons

This method speciates and quantifies total petroleum hydrocarbons (TPH) by the use of a gas chromatograph/flame ionization detector (GC/FID). Pentane is utilized as the solvent extractant for TPH within soil samples. The pentane and any extracted solvents are injected on a capillary column. The hydrocarbon compounds are detected by the FID.

EPA Method 8020: Benzene, Toluene, Total Xylenes, Ethylbenzene

Organic volatile aromatics in soil samples are detected on a gas chromatograph/photoionization detector (GC/PID). Pentane is utilized as the solvent extractant for potential aromatics within soil samples. The pentane and any extracted solvents are injected on a packed column. The aromatics are detected by the PID.

EPA Method 7420: Total Lead

Total lead concentrations in soil samples are determined by atomic absorption spectrophotometry. The sample is vaporized; a light source is passed through the vapor. The lead atoms absorb the radiation at characteristic wavelengths. This degree of absorption is measured photoelectrically for determination of total lead concentrations.

EPA Method 7421: Total Lead

Total lead concentrations in soil samples are determined by atomic absorption spectrophotometry. The sample is vaporized in a graphite furnace; a light source is passed through the vapor. The lead atoms absorb the radiation at characteristic wavelengths. This degree of absorption is measured photoelectrically for determination of total lead concentrations.

California Code of Regulations: Metals
California Administrative Code: Title 22 - Metals

Soil samples are acid-digested to separate metals from the soil matrix. The digestate solution is analyzed on an atomic absorption (AA) spectrophotometer in conjunction with either a graphite furnace (GFAA) or a flame (FLAA) as the energy source. In FLAA determinations, the flame provides energy for dissociating the sample solution to atomic state for absorption measurement on the AA. GFAA allows gradual heating before AA measurements.

EPA 8010: Halogenated Volatile Organic Compounds

Halogenated volatile organic compounds are extracted from a soil matrix with hexane as the extract solvent. The extractant is injected on a gas chromatograph (GC) packed column. The compounds are detected on chromatograms run with an electron capture detector (ECD).

EPA Method 8015: Non-halogenated Volatile Organic Solvents

The non-halogenated volatile organic compounds are extracted from the soil matrix by methanol. The extractant is injected into a GC stainless steel packed column, and the non-halogenated compounds are detected on the FID.

Soil samples are analyzed by a California-certified hazardous waste laboratory. Quality Assurance/Quality Control measures, such as percent reproducibility, percent recovery, and spike analyses, are employed by the laboratory to validate the results. In addition, the laboratory results are reviewed by qualified personnel before release.

APPENDIX D

BORING LOGS

KEY TO BORING LOG SYMBOLS

SOIL DESCRIPTIONS USED IN THIS REPORT ARE IN GENERAL ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM.

MAJOR DIVISONS			GROUP SYMBOLS	TYPICAL NAMES
COARSE GRAINED SOILS (MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE)	GRAVELS (MORE THAN 50% OF COARSE FRACTION IS LARGER THAN THE NO. 4 SIEVE SIZE)	CLEAN GRAVELS (LITTLE OR NO FINES)	GW	Well-graded gravels or gravel sand mixtures, little or no fines.
			GP	Poorly-graded gravels or gravel sand mixture, little or no fines.
		GRAVELS WITH FINES (APPRECIABLE AMT. OF FINES)	GM	Silty gravels, gravel-sand-clay mixtures.
			GC	Clayey gravels, gravel-sand-clay mixtures.
	SANDS (MORE THAN 50% OF COARSE FRACTION IS SMALLER THAN THE NO.4 SIEVE SIZE)	CLEAN SANDS (LITTLE OR NO FINES)	SW	Well-graded sands or gravelly sands, little or no fines.
			SP	Poorly-graded sands or gravelly sands, little or no fines.
		SANDS WITH FINES (APPRECIABLE AMT. OF FINES)	SM	Silty sands, sand-silt mixtures.
			SC	Clayey sands, sand-clay mixtures.
FINE GRAINED SOILS (MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE)	SILTS AND CLAYS (LIQUID LIMIT LESS THAN 50)		ML	Inorganic silts & very fine-grained sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
			OL	Organic silts and organic silt-clays of low plasticity.
	SILTS AND CLAYS (LIQUID LIMIT GREATER THAN 50)		MH	Inorganic silts, micaceous or diatomaceous fine-grained sandy or silty soils, elastic silts.
			CH	Inorganic clays of high plasticity, fat clays.
			OH	Organic clays of medium to high plasticity.
HIGHLY ORGANIC SOILS			PT	Peat and other highly organic soils.
			AF	Artificial fill material.

PARTICLE SIZE LIMITS

SILT OR CLAY	SAND			GRAVEL		COBBLES	BOULDERS
	FINE	MEDIUM	COARSE	FINE	COARSE		
NO.200	NO.40	NO.10	NO. 4	3/4 IN.	3 IN.	12 IN.	

BOUNDRY CLASSIFICATIONS: Soils possessing characteristics of two groups are designated by combinations of group symbols.

DASHED LINES used to separate soil types represent approximate or gradational contacts.

SOLID LINES represesent sharp contacts.

B1-5 SAMPLE NUMBER

BLOWS/6" Numbers of BLOWS to drive sampler 6" into undisturbed soil. Driving weight of hammer and height of drop specified on page 1.

OVA Organic Vapor Analyzer reading in parts per million (ppm).

SAMPLE TYPES

	SPLIT-SPOON/RING
	CORE
B	BULK/JAR
	NO RECOVERY
	NOT SAMPLED

WELL CONSTRUCTION/ BORING COMPLETION

	SAND PACK/FILTER PACK
	BENTONITE ANNULAR SEAL
	BENTONITE/CEMENT ANNULAR SEAL
	CEMENT ANNULAR SEAL
	DRILL CUTTINGS
	BLANK CASING
	MACHINE-SLOTTED CASING

GeoResearch

FIELD LOG OF BORING

BORING/WELL I.D. SB - 1
SHEET 1 OF 2

PROJECT NAME	PROJECT NUMBER	ELEVATION AND DATUM	REFERENCE
Unocal #4734 - Lebec	92075		

DRILLING COMPANY	DRILLER	DATE & TIME STARTED	DATE & TIME COMPLETED
Spectrum Exploration	Terry Sump	01/06/92 1000	01/06/92 1220

DRILLING EQUIPMENT METHOD	DIRECTION OF BORING	TOTAL DEPTH
CME 55	[x] VERTICAL [ ] SLANT _____ DEG. FROM VERT	OF BORING 40 Feet

SIZE AND TYPE OF BIT	TOTAL NO. OF SAMPLES	BULK	SS	OTHER
6" Hollow Stem Auger	4		4	

DRILLING FLUID	WATER LEVEL	FIRST	AFTER HOURS
		None	

SAMPLER TYPE	HYDROGEOLOGIST/DATE	CHECKED BY/DATE
CA Split Spoon DRIVING WT. 140 lb DROP 30"	Blair Redfearn / 01/06/92	W. Gross / 02/03/92

DEPTH (FEET)	WELL CONST CSG	WELL CONST FILL	OVA (PPM)	SAMPLES NO.	SAMPLES TYPE	SAMPLES BLOWS /6"	GRAPH. LOG	SOIL CLASS (USCS)	DESCRIPTION OF MATERIALS	REMARKS
5				SB-1-5 1030		4 5 4		ML	SILT-Light brown, slightly moist, slightly plastic, 10% weathered granitic cobbles, mica, no odor, no visible staining	
10			0	SB-1-10 1100		9 10 10			SILT-As above with 5% weathered granitic cobbles, no odor, no visible staining	
15			0	SB-1-15 1115		10 30 30			SILT-As above	
20				SB-1-20 1135		50				No penetration with sampler
25						70				No penetration

GeoResearch

FIELD LOG OF BORING

BORING/WELL I.D. SB - 1
SHEET 2 OF 2

PROJECT NAME	PROJECT NUMBER	HYDROGEOLOGIST	CHECKED BY/DATE
Unocal #4734 - Lebec	92075	Blair Redfearn / 01/06/92	W. Gross / 02/03/92

DEPTH (FEET)	WELL CONST CSG	WELL CONST FILL	OVA (PPM)	SAMPLES NO.	SAMPLES TYPE	SAMPLES BLOWS /6"	GRAPH. LOG	SOIL CLASS (USCS)	DESCRIPTION OF MATERIALS	REMARKS
								ML		
								SM		Very hard drilling due to gravel and cobbles
				SB-1-30 1200		70			SILTY SAND-Light brown, slightly moist, slightly plastic, 60% decomposed granitic sand, no odor, no visible staining	
30										
						65			SILTY SAND-As above (cuttings)	No penetration with sampler
35										
						60				No penetration with sampler
40										
									NOTES: Total depth = 40 feet bgs Backfilled with bentonite/cement slurry	

GeoResearch

FIELD LOG OF BORING

BORING/WELL I.D. SB - 2
SHEET 1 OF 1

PROJECT NAME	PROJECT NUMBER	ELEVATION AND DATUM	REFERENCE
Unocal #4734 - Lebec	92075		

DRILLING COMPANY	DRILLER	DATE & TIME STARTED	DATE & TIME COMPLETED
Spectrum Drilling	Terry Sump	01/06/92 1330	01/06/92 1600

DRILLING EQUIPMENT METHOD	DIRECTION OF BORING	TOTAL DEPTH OF BORING
CME 55	[x] VERTICAL [ ] SLANT _____ DEG. FROM VERT	17 Feet

SIZE AND TYPE OF BIT	TOTAL NO. OF SAMPLES	BULK	SS	OTHER
6" Hollow Stem Auger	3		2	1

DRILLING FLUID	WATER LEVEL	FIRST	AFTER HOURS
		None	

SAMPLER	HYDROGEOLOGIST/DATE	CHECKED BY/DATE
CA Split Spoon TYPE DRIVING WT. 140 lb DROP 30"	Blair Redfearn / 01/06/92	W. Gross 02/03/92

DEPTH (FEET)	WELL CONST CSG	WELL CONST FILL	OVA (PPM)	SAMPLES NO.	SAMPLES TYPE	SAMPLES BLOWS /6"	GRAPH. LOG	SOIL CLASS (USCS)	DESCRIPTION OF MATERIALS	REMARKS
5			0	SB-2-5 1430				ML	SANDY SILT-Brown, slightly moist, slightly plastic, mica, 30% coarse grained sand, some large granitic cobbles, no odor, no visible staining	
10			0	SB-2-12 1445					SILT-Reddish brown, slightly moist, mica, slightly plastic, some granitic gravel	
15			0	SB-2-17 1600					SILT-As above	Disturbed sample collected from auger.
20									NOTES: Total depth = 18 feet bgs Backfilled with bentonite/cement slurry	

GeoResearch

FIELD LOG OF BORING

BORING/WELL I.D. SB - 3
SHEET 1 OF 2

PROJECT NAME	PROJECT NUMBER	ELEVATION AND DATUM	REFERENCE
Unocal #4734 - Lebec	92075		

DRILLING COMPANY	DRILLER	DATE & TIME STARTED	DATE & TIME COMPLETED
Spectrum Exploration	Terry Sump	01/07/92 0815	01/07/92 1040

DRILLING EQUIPMENT METHOD	DIRECTION OF BORING	TOTAL DEPTH OF BORING
CME 55	[x] VERTICAL [ ] SLANT _____ DEG. FROM VERT	41 Feet

SIZE AND TYPE OF BIT	TOTAL NO. OF SAMPLES	BULK	SS	OTHER
6" Hollow Stem Auger	8		8	

DRILLING FLUID	WATER LEVEL	FIRST	AFTER HOURS
		None	

SAMPLER TYPE	HYDROGEOLOGIST/DATE	CHECKED BY/DATE
CA Split Spoon — DRIVING WT. 140 lb DROP 30"	Blair Redfearn / 01/07/92	W. Gross / 02/03/92

DEPTH (FEET)	WELL CONST CSG	WELL CONST FILL	OVA (PPM)	SAMPLES NO.	SAMPLES TYPE	SAMPLES BLOWS /6"	GRAPH. LOG	SOIL CLASS (USCS)	DESCRIPTION OF MATERIALS	REMARKS
5			8	SB-3-6 1005		3, 4, 10		ML	SANDY SILT-Reddish brown, mica, 5% granitic, slightly plastic, gravel, no visible staining, no odor	
10			3	SB-3-11 1015		22, 21, 14		SM	SILTY SAND-Tan, fine to coarse grained, well graded, slightly moist, unconsolidated, 5% granitic gravels, no visible staining, no odor	
15			4	SB-3-16 1030		12, 14, 20			SILTY SAND-As above with no granitic gravel	
20			4	SB-3-21 1040		10, 6, 15			SILTY SAND-As above	
25						12				

GeoResearch

FIELD LOG OF BORING

BORING/WELL I.D. SB - 3
SHEET 2 OF 2

PROJECT NAME	PROJECT NUMBER	HYDROGEOLOGIST	CHECKED BY/DATE
Unocal #4734 - Lebec	92075	Blair Redfearn / 01/07/92	W. Gross / 02/03/92

DEPTH (FEET)	WELL CONST CSG	WELL CONST FILL	OVA (PPM)	SAMPLES NO.	SAMPLES TYPE	SAMPLES BLOWS /6"	GRAPH. LOG	SOIL CLASS (USCS)	DESCRIPTION OF MATERIALS	REMARKS
			5	SB-3-26 1045		9 45		SM	SILTY SAND-Brown, orange, white, black, fine to coarse grained, well graded, unconsolidated, mica, 5% granitic gravel, no visible staining, no odor	
						40				
30			3	SB-3-31 1100		50			SILTY SAND-As above	
35						50 60				
			2	SB-3-36 1115					SILTY SAND-As above	
40						50				
			3	SB-3-41 1140					SILTY SAND-As above	

NOTES: Total depth = 41 feet
Backfilled with bentonite/cement slurry

GeoResearch

FIELD LOG OF BORING

BORING/WELL I.D. SB - 4
SHEET 1 OF 2

PROJECT NAME	PROJECT NUMBER	ELEVATION AND DATUM	REFERENCE
Unocal #4734 - Lebec	92075		

DRILLING COMPANY	DRILLER	DATE & TIME STARTED	DATE & TIME COMPLETED
Spectrum Drilling	Terry Sump	01/07/92 1415	01/07/92 1530

DRILLING EQUIPMENT METHOD	DIRECTION OF BORING	TOTAL DEPTH OF BORING
CME 55	☐ VERTICAL ☒ SLANT 15 DEG. FROM VERT	32 Feet

SIZE AND TYPE OF BIT	TOTAL NO. OF SAMPLES	BULK	SS	OTHER
6" Hollow Stem Auger	6		6	1

DRILLING FLUID	WATER LEVEL	FIRST	AFTER HOURS
		None	

SAMPLER CA Split Spoon	HYDROGEOLOGIST/DATE	CHECKED BY/DATE
TYPE DRIVING WT. 140 lb DROP 30"	Blair Redfearn / 01/07/92	W. Gross / 02/03/92

DEPTH (FEET)	WELL CONST CSG	WELL CONST FILL	OVA (PPM)	SAMPLES NO.	SAMPLES TYPE	SAMPLES BLOWS /6"	GRAPH. LOG	SOIL CLASS (USCS)	DESCRIPTION OF MATERIALS	REMARKS
5			6	SB-4-5 1435		8 10 28		ML	SILT-Reddish brown, mica, slightly moist, slightly plastic, no visible staining, no odor	
10			6	SB-4-11 1445		22 25 30		SM	SILTY SAND-Brownish orange, fine to coarse grained, well graded, 1% granitic gravels, slightly moist, no visible staining, no odor	
15			5	SB-4-16 1500		28 40 50			SILTY SAND-As above	
20			0	SB-4-20 1515		80			SILTY SAND-As above	
25				SB-4-25		70				

GeoResearch

FIELD LOG OF BORING

BORING/WELL I.D. SB - 4
SHEET 2 OF 2

PROJECT NAME	PROJECT NUMBER	HYDROGEOLOGIST	CHECKED BY/DATE
Unocal #4734 - Lebec	92075	Blair Redfearn / 01/07/92	W. Gross / 02/03/92

DEPTH (FEET)	WELL CONST CSG	WELL CONST FILL	OVA (PPM)	SAMPLES NO.	SAMPLES TYPE	SAMPLES BLOWS /6"	GRAPH. LOG	SOIL CLASS (USCS)	DESCRIPTION OF MATERIALS	REMARKS
			0	1530				SM	SILTY SAND-Brownish, orange, fine to coarse grained, well graded, slightly moist, no visible staining, no odor	
30						50				No penetration with sampler
			2	SB-4-32 1600					SILTY SAND-As above	Disturbed sample from auger
									NOTES: Total depth = 32 feet Backfilled with bentonite/cement slurry	

GeoResearch

FIELD LOG OF BORING

BORING/WELL I.D. SB - 5
SHEET 1 OF 2

PROJECT NAME	PROJECT NUMBER	ELEVATION AND DATUM	REFERENCE
Unocal #4734 - Lebec	92075		

DRILLING COMPANY	DRILLER	DATE & TIME STARTED	DATE & TIME COMPLETED
Spectrum Exploration	Terry Sump	01/08/92 0930	01/08/92 1110

DRILLING EQUIPMENT METHOD	DIRECTION OF BORING	TOTAL DEPTH OF BORING
CME 55	[x] VERTICAL [ ] SLANT _____ DEG. FROM VERT	

SIZE AND TYPE OF BIT	TOTAL NO. OF SAMPLES 8	BULK	SS 8	OTHER

DRILLING FLUID	WATER LEVEL	FIRST	AFTER HOURS
		None	

SAMPLER TYPE CA Split Spoon DRIVING WT. 140 lb DROP 30"	HYDROGEOLOGIST/DATE	CHECKED BY/DATE
	Blair Redfearn / 01/08/92	W. Gross / 02/03/92

DEPTH (FEET)	WELL CONST CSG	WELL CONST FILL	OVA (PPM)	SAMPLES NO.	SAMPLES TYPE	SAMPLES BLOWS /6"	GRAPH. LOG	SOIL CLASS (USCS)	DESCRIPTION OF MATERIALS	REMARKS
5						6		ML		
			3	SB-5-6 0935		6 7			SANDY SILT-Reddish brown, slightly moist, slightly plastic, mica, 5% fine to coarse grained, well graded, sand and granitic cobbles, no visible staining, no odor	
								SM		
10						20				
			2	SB-5-11 0950		20 12			SILTY SAND-Brownish orange, fine to gravel, well graded, mica, unconsolidated, no visible staining, no odor	
15						30				
			4	SB-5-16 1000		50			SILTY SAND-As above without granitic gravel	
20						11				
			3	SB-5-21 1010		25 30			SILTY SAND-As above with granitic cobbles	
25										

GeoResearch

FIELD LOG OF BORING

BORING/WELL I.D. SB - 5
SHEET 2 OF 2

PROJECT NAME	PROJECT NUMBER	HYDROGEOLOGIST	CHECKED BY/DATE
Unocal #4734 - Lebec	92075	Blair Redfearn / 01/08/92	W. Gross / 02/03/92

DEPTH (FEET)	WELL CONST CSG	WELL CONST FILL	OVA (PPM)	SAMPLES NO.	SAMPLES TYPE	SAMPLES BLOWS /6"	GRAPH. LOG	SOIL CLASS (USCS)	DESCRIPTION OF MATERIALS	REMARKS
						30		SM		
			2	SB-5-26 1030		80			SILTY SAND-Brownish orange, medium to coarse grained, well graded, some gravels, unconsolidated, no visible staining, no odor	
30			1			80			SILTY SAND-As above - fine to medium grained	No sample collected for analysis
								ML		
35						15				
						20				
			1	SB-5-36 1050		50			SANDY SILT-Brown, slightly moist, non-plastic, 40% fine to medium grained, well graded sand, no odor, no staining	
								SM		
40			2	SB-5-40 1110		80			SILTY SAND-Brownish orange, fine to medium grained, well graded, unconsolidated, no visible staining, no odor	
									NOTES: Total depth = 40 feet bgs Backfilled with bentonite/cement slurry	

GeoResearch

FIELD LOG OF BORING

BORING/WELL I.D. SB - 6
SHEET 1 OF 1

PROJECT NAME	PROJECT NUMBER	ELEVATION AND DATUM	REFERENCE
Unocal #4734 - Lebec	92075		

DRILLING COMPANY	DRILLER	DATE & TIME STARTED	DATE & TIME COMPLETED
Spectrum Exploration	Terry Sump	01/08/92 1320	01/08/92 1420

DRILLING EQUIPMENT METHOD	DIRECTION OF BORING	TOTAL DEPTH OF BORING
CME 55	[x] VERTICAL [ ] SLANT _____ DEG. FROM VERT	22 Feet

SIZE AND TYPE OF BIT	TOTAL NO. OF SAMPLES	BULK	SS	OTHER
6" Hollow Stem Auger	4		4	

DRILLING FLUID	WATER LEVEL	FIRST	AFTER HOURS
	None		

SAMPLER TYPE	HYDROGEOLOGIST/DATE	CHECKED BY/DATE
CA Split Spoon DRIVING WT. 140 lb DROP 30"	Blair Redfearn / 01/08/92	W. Gross / 01/08/92

DEPTH (FEET)	WELL CONST CSG	WELL CONST FILL	OVA (PPM)	SAMPLES NO.	SAMPLES TYPE	SAMPLES BLOWS /6"	GRAPH. LOG	SOIL CLASS (USCS)	DESCRIPTION OF MATERIALS	REMARKS
5			2	SB-6-6 1330		4, 4, 6		ML	SANDY SILT-Reddish brown, slightly moist, slightly plastic, mica, no visible staining, no odor	
10			4	SB-6-11 1340		4, 8, 12			SANDY SILT-As above	
15			3	SB-6-15 1350		30, 35, 40			SANDY SILT-As above with granitic cobbles	
20			1	SB-6-20 1400		80			SANDY SILT-As above	

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FIELD LOG OF BORING

BORING/WELL I.D. SB - 7
SHEET 1 OF 1

PROJECT NAME	PROJECT NUMBER	ELEVATION AND DATUM	REFERENCE
Unocal #4734 - Lebec	92075		

DRILLING COMPANY	DRILLER	DATE & TIME STARTED	DATE & TIME COMPLETED
Spectrum Exploration	Terry Sump	01/08/92 1500	01/08/92 1600

DRILLING EQUIPMENT METHOD	DIRECTION OF BORING	TOTAL DEPTH
CME 55	[x] VERTICAL [ ] SLANT _____ DEG. FROM VERT	OF BORING 40 Feet

SIZE AND TYPE OF BIT	TOTAL NO. OF SAMPLES	BULK	SS	OTHER
6" Hollow Stem Auger	3		3	

DRILLING FLUID	WATER LEVEL	FIRST	AFTER HOURS
		None	

SAMPLER . CA Split Spoon	HYDROGEOLOGIST/DATE	CHECKED BY/DATE
TYPE DRIVING WT. 140 lb DROP 30"	Blair Redfearn / 01/08/92	W. Gross / 02/03/92

DEPTH (FEET)	WELL CONST CSG	WELL CONST FILL	OVA (PPM)	SAMPLES NO.	SAMPLES TYPE	SAMPLES BLOWS /6"	GRAPH. LOG	SOIL CLASS (USCS)	DESCRIPTION OF MATERIALS	REMARKS
									Drill down to 25 feet bgs without sampling	See SB-6 log for upper 21' of soil column
								SM		
25						20				
						50				
			2	SB-7-25 1515		50			SILTY SAND-Brown, fine to coarse grained, well graded, mica, unconsolidated, no visible staining no odor	
								SW		
30						30				
			3	SB-7-30 1540		50				
35			2	SB-7-35 1550		80			SILTY SAND-As above	
									Equipment failure, sample not collected at 40 feet bgs Total depth = 40 feet	No sample

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FIELD LOG OF BORING

BORING/WELL I.D. SB - 8
SHEET 1 OF 2

PROJECT NAME	PROJECT NUMBER	ELEVATION AND DATUM	REFERENCE
Unocal #4734 - Lebec	92075		

DRILLING COMPANY	DRILLER	DATE & TIME STARTED	DATE & TIME COMPLETED
Spectrum Drilling	Terry Sump	01/10/92 1000	01/10/92 1130

DRILLING EQUIPMENT METHOD	DIRECTION OF BORING	TOTAL DEPTH OF BORING
CME 55	[x] VERTICAL [ ] SLANT _____ DEG. FROM VERT	30 Feet

SIZE AND TYPE OF BIT	TOTAL NO. OF SAMPLES	BULK	SS	OTHER
6" Hollow Stem Auger	6		6	

DRILLING FLUID	WATER LEVEL	FIRST	AFTER HOURS
		None	

SAMPLER CA Split Spoon	HYDROGEOLOGIST/DATE	CHECKED BY/DATE
TYPE DRIVING WT. 140 lb DROP 30"	Blair Redfearn / 01/10/92	W. Gross / 02/03/92

DEPTH (FEET)	WELL CONST CSG	WELL CONST FILL	OVA (PPM)	SAMPLES NO.	SAMPLES TYPE	SAMPLES BLOWS /6"	GRAPH. LOG	SOIL CLASS (USCS)	DESCRIPTION OF MATERIALS	REMARKS
5				SB-8-6 1025		3, 4, 7		ML	SANDY SILT-Brown, non-plastic, mica, loose, slightly moist	
10			13	SB-8-11 1035		3, 5, 7			SILT-Reddish brown, slightly plastic, mica, no visible staining, no odor	
15				SB-8-15 1045		5, 8, 12		SM	SANDY SILT-Brown, slightly moist, slightly plastic, mica, 20% sand, fine to medium grained, well graded, loose, no visible staining, no odor	
20				SB-8-21 1055		40, 24, 35			SILTY SAND-Tan, fine to medium grained, some cobbles, well graded, slightly moist, no visible staining, no odor	
25										

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FIELD LOG OF BORING

BORING/WELL I.D. SB - 8
SHEET 2 OF 2

PROJECT NAME	PROJECT NUMBER	HYDROGEOLOGIST	CHECKED BY/DATE
Unocal #4734 - Lebec	92075	Blair Redfearn / 01/10/92	W. Gross / 02/03/92

DEPTH (FEET)	WELL CONST CSG	WELL CONST FILL	OVA (PPM)	SAMPLES NO.	SAMPLES TYPE	SAMPLES BLOWS /6"	GRAPH. LOG	SOIL CLASS (USCS)	DESCRIPTION OF MATERIALS	REMARKS
			3	SB-8-25 1115		55		SM	SILTY SAND-Tan, fine to coarse grained, some gravels, well graded, loose, slightly moist, no visible staining, no odor	
30				SB-8-30 1125		45 55			SILTY SAND-As above	
									NOTES: Total depth = 31 feet bgs Backfilled with bentonite/cement slurry	

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FIELD LOG OF BORING

BORING/WELL I.D. SB - 9
SHEET 1 OF 2

PROJECT NAME	PROJECT NUMBER	ELEVATION AND DATUM	REFERENCE
Unocal #4734 - Lebec	92075		

DRILLING COMPANY	DRILLER	DATE & TIME STARTED	DATE & TIME COMPLETED
Spectrum Drilling	Terry Sump	01/10/92 1210	01/10/92 1400

DRILLING EQUIPMENT METHOD	DIRECTION OF BORING	TOTAL DEPTH OF BORING
CME 55 _____ .	[x] VERTICAL [ ] SLANT _____ DEG. FROM VERT	40 Feet

SIZE AND TYPE OF BIT	TOTAL NO. OF SAMPLES	BULK	SS	OTHER
	7		7	

DRILLING FLUID	WATER LEVEL	FIRST	AFTER HOURS
		None	

SAMPLER CA Split Spoon	HYDROGEOLOGIST/DATE	CHECKED BY/DATE
TYPE DRIVING WT. 140 lb DROP 30"	Blair Redfearn / 01/10/92	W. Gross / 02/03/92

DEPTH (FEET)	WELL CONST CSG	WELL CONST FILL	OVA (PPM)	SAMPLES NO.	SAMPLES TYPE	SAMPLES BLOWS /6"	GRAPH. LOG	SOIL CLASS (USCS)	DESCRIPTION OF MATERIALS	REMARKS
5			5	SB-9-6 1215		29 6 3		SM	SILTY SAND-Brown, fine to coarse grained, well graded, slightly moist, no odor, no staining	
10			10	SB-9-11 1225		4 6 14		ML	SILT-Reddish brown, slightly moist, slightly plastic, no visible staining, no odor	
15			7	SB-9-16 1235		10 14 22		SM	SILTY SAND-Brown, fine to coarse grained, some gravels and cobbles, well graded, mica, slightly moist, no visible staining, no odor	
20			15	SB-9-20		50			SILTY SAND-As above, without gravels and cobbles	
25										

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FIELD LOG OF BORING

BORING/WELL I.D. SB - 9
SHEET 2 OF 2

PROJECT NAME	PROJECT NUMBER	HYDROGEOLOGIST	CHECKED BY/DATE
Unocal #4734 - Lebec	92075	Blair Redfearn / 01/10/92	W. Gross / 02/03/92

DEPTH (FEET)	WELL CONST CSG	WELL CONST FILL	OVA (PPM)	SAMPLES NO.	SAMPLES TYPE	SAMPLES BLOWS /6"	GRAPH. LOG	SOIL CLASS (USCS)	DESCRIPTION OF MATERIALS	REMARKS
						60		SM	SILTY SAND-Tan, fine to coarse grained, well graded, mica, no visible staining, no odor	No recovery
								SW		
30						30				
			0	SB-9-31 1300		60			SAND-Tan, very fine to coarse grained, some gravels, well graded, mica, slightly moist, no visible staining, no odor	
35						29				
						36				
			0	SB-9-36 1320		41		ML	SAND-As above, coarser	
40										
			0	SB-9-40 1335		65			SILTY SAND-Brown, fine to medium grained	
									NOTES: Total depth = 44 feet Backfilled with bentonite/cement slurry	

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FIELD LOG OF BORING

BORING/WELL I.D. SB - 10
SHEET 1 OF 2

PROJECT NAME	PROJECT NUMBER	ELEVATION AND DATUM	REFERENCE
Unocal #4734 - Lebec	92075		

DRILLING COMPANY	DRILLER	DATE & TIME STARTED	DATE & TIME COMPLETED
Spectrum Drilling	Terry Sump	01/13/92 0915	01/14/92 1330

DRILLING EQUIPMENT METHOD	DIRECTION OF BORING	TOTAL DEPTH OF BORING
CME 55	☐ VERTICAL ☒ SLANT 15 DEG. FROM VERT	45 Feet

SIZE AND TYPE OF BIT	TOTAL NO. OF SAMPLES	BULK	SS	OTHER
6" Hollow Stem Auger	7		7	

DRILLING FLUID	WATER LEVEL	FIRST	AFTER HOURS
		None	

SAMPLER CA Split Spoon	HYDROGEOLOGIST/DATE	CHECKED BY/DATE
TYPE DRIVING WT. 140 lb DROP 30"	Blair Redfearn / 01/14/92	W. Gross / 02/03/92

DEPTH (FEET)	WELL CONST CSG	WELL CONST FILL	OVA (PPM)	SAMPLES NO.	SAMPLES TYPE	SAMPLES BLOWS /6"	GRAPH. LOG	SOIL CLASS (USCS)	DESCRIPTION OF MATERIALS	REMARKS
5			0	SB-10-5 0920		8 13 13		ML	SANDY SILT-Reddish brown, slightly plastic, mica, 15% fine to gravels, well graded, sand, no visible staining, no odor	
								SW		
10			2	SB-10-10 1135		12 22 28			SAND-Brown, gray, fine to coarse, grained, some gravels and cobbles, well graded, mica, no visible staining, no odor	
								SM		
15			0	SB-10-15 1145		15 32 50			SILTY SAND-As above	
				SB-10-20 NR		60				No sample recovered.
20										
									SILTY SAND-Brown, fine to coarse grained, some gravels and cobbles, well graded, mica, firm, no visible staining, no odor	
25			0	SB-10-24 1210		36 60				

GeoResearch

FIELD LOG OF BORING

BORING/WELL I.D. SB - 10
SHEET 2 OF 2

PROJECT NAME	PROJECT NUMBER	HYDROGEOLOGIST	CHECKED BY/DATE
Unocal #4734 - Lebec	92075	Blair Redfearn / 01/14/92	W. Gross / 02/03/92

DEPTH (FEET)	WELL CONST CSG	WELL CONST FILL	OVA (PPM)	SAMPLES NO.	SAMPLES TYPE	SAMPLES BLOWS /6"	GRAPH. LOG	SOIL CLASS (USCS)	DESCRIPTION OF MATERIALS	REMARKS
								SM		
			0	SB-10-29 1225		70			SILTY SAND-As above	
30						45				
			0	SB-10-34 1250		60			SILTY SAND-Brown, fine grained, some coarse grains, poorly graded, firm, mica, no visible staining, no odor	
35						30				
				SB-10-39 1300		60			SILTY SAND-As above	
40										
									SILTY SAND-As above	No recovery
45									NOTES: Total depth = 45 feet Backfilled with bentonite/cement slurry	

GeoResearch

FIELD LOG OF BORING

BORING/WELL I.D. SB - 11
SHEET 1 OF 1

PROJECT NAME	PROJECT NUMBER	ELEVATION AND DATUM	REFERENCE
Unocal #4734 - Lebec	92075		

DRILLING COMPANY	DRILLER	DATE & TIME STARTED	DATE & TIME COMPLETED
Spectrum Drilling	Terry Sump	01/13/92 1300	01/13/92 1430

DRILLING EQUIPMENT METHOD	DIRECTION OF BORING	TOTAL DEPTH OF BORING
CME 55	☐ VERTICAL ☒ SLANT 15 DEG. FROM VERT	22 Feet

SIZE AND TYPE OF BIT	TOTAL NO. OF SAMPLES	BULK	SS	OTHER
6" Hollow Stem Auger	8		8	

DRILLING FLUID	WATER LEVEL	FIRST	AFTER HOURS
		None	

SAMPLER	HYDROGEOLOGIST/DATE	CHECKED BY/DATE
CA Split Spoon	Blair Redfearn / 01/13/92	W. Gross / 02/03/92
TYPE DRIVING WT. 140 lb DROP 30"		

DEPTH (FEET)	WELL CONST CSG	WELL CONST FILL	OVA (PPM)	SAMPLES NO.	SAMPLES TYPE	SAMPLES BLOWS /6"	GRAPH. LOG	SOIL CLASS (USCS)	DESCRIPTION OF MATERIALS	REMARKS
5			4	SB-11-5 1315		45 60		SM	SILTY SAND-Brown, coarse grained, some gravels, mica, well graded, slightly moist, firm, no visible staining, no odor	
10			4	SB-11-11 1335		24 11 20			SILTY SAND-As above	
15			1	SB-11-15 1405		27 47 50		ML	SILTY SAND-Tan, slightly plastic, dry, 5% medium to coarse grained sand with gravels, mica, no visible staining, no odor	
20			1	SB-11-19 1415		70			Cannot drill past 22 feet bgs Note: Total depth = 22 feet bgs Backfilled with cement/Bentonite Slurry	Very rocky, hard drilling

GeoResearch

FIELD LOG OF BORING

BORING/WELL I.D. SB - 12
SHEET 1 OF 2

PROJECT NAME	PROJECT NUMBER	ELEVATION AND DATUM	REFERENCE
Unocal #4734 - Lebec	92075		

DRILLING COMPANY	DRILLER	DATE & TIME STARTED	DATE & TIME COMPLETED
Spectrum Drilling	Terry Sump	01/13/92 1530	01/13/92 1715

DRILLING EQUIPMENT METHOD	DIRECTION OF BORING	TOTAL DEPTH
CME 55	☐ VERTICAL ☒ SLANT 15 DEG. FROM VERT	OF BORING 45 Feet

SIZE AND TYPE OF BIT	TOTAL NO. OF SAMPLES	BULK	SS	OTHER
6" Hollow Stem Auger	8		8	

DRILLING FLUID	WATER LEVEL	FIRST	AFTER HOURS
		None	

SAMPLER CA Split Spoon	HYDROGEOLOGIST/DATE	CHECKED BY/DATE
TYPE DRIVING WT. 140 lb DROP 30"	Blair Redfearn / 01/13/92	W. Gross / 02/03/92

DEPTH (FEET)	WELL CONST CSG	WELL CONST FILL	OVA (PPM)	SAMPLES NO.	SAMPLES TYPE	SAMPLES BLOWS /6"	GRAPH. LOG	SOIL CLASS (USCS)	DESCRIPTION OF MATERIALS	REMARKS
5			0	SB-12-6 1545		6 8 10		ML	SILT-Brown, slightly plastic, mica, firm, slightly moist, no visible staining, no odor	
10			0	SB-12-11 1555		4 6 12		SM	SILT-As above with 10% fine to coarse grained, well graded, sand, firm, slightly moist, no visible staining, no odor	
15			5	SB-12-15 1605		14 16 18		SW	SILTY SAND-Gray to green, fine to coarse grained, some gravels and cobbles, well graded, firm, slightly moist, possible hydro-carbon staining, no odor	
20			40	SB-12-20 1615		30 35 31		SM	SAND-Tan, fine to coarse grained, some gravels and cobbles, well graded, mica, no visible staining, no odor	
25			0	SB-12-25		20 31				

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FIELD LOG OF BORING

BORING/WELL I.D. SB - 12
SHEET 2 OF 2

PROJECT NAME	PROJECT NUMBER	HYDROGEOLOGIST	CHECKED BY/DATE
Unocal #4734 - Lebec	92075	Blair Redfearn / 01/13/92	W. Gross / 02/03/92

DEPTH (FEET)	WELL CONST CSG	WELL CONST FILL	OVA (PPM)	SAMPLES NO.	SAMPLES TYPE	SAMPLES BLOWS /6"	GRAPH. LOG	SOIL CLASS (USCS)	DESCRIPTION OF MATERIALS	REMARKS
				1630		39		SM	SAND-Tan to gray, fine to coarse grained, some gravels and cobbles, mica, loose, moist, no visible staining, no odor	
						70				No recovery
30										
			0	SB-12-33 1700		70			SAND-As above	
35										
						16				
						33				
40			1	SB-12-40 1710		38			SAND-As above	
			5	1715		43			SILTY SAND-Tan, fine to medium grained, some coarse, mica, loose, slightly moist, no visible staining, no odor	
						70				
45									NOTES: Total depth = 44 feet Backfilled with bentonite/cement slurry	

GeoResearch

FIELD LOG OF BORING

BORING/WELL I.D. SB - 13
SHEET 1 OF 1

PROJECT NAME	PROJECT NUMBER	ELEVATION AND DATUM	REFERENCE
Unocal #4734 - Lebec	92075		
DRILLING COMPANY	**DRILLER**	**DATE & TIME STARTED**	**DATE & TIME COMPLETED**
Spectrum Drilling	Terry Sump	01/14/92 0900	01/14/92 0945
DRILLING EQUIPMENT METHOD	**DIRECTION OF BORING**		**TOTAL DEPTH**
CME 55	[x] VERTICAL [ ] SLANT _____ DEG. FROM VERT		OF BORING 21 Feet
SIZE AND TYPE OF BIT	**TOTAL NO. OF SAMPLES**	**BULK**	**SS** / **OTHER**
6" Hollow Stem Auger	4		4
DRILLING FLUID	**WATER LEVEL**	**FIRST**	**AFTER HOURS**
		None	
SAMPLER CA Split Spoon	**HYDROGEOLOGIST/DATE**		**CHECKED BY/DATE**
TYPE DRIVING WT. 140 lb DROP 30"	Blair Redfearn / 01/14/92		W. Gross / 02/03/92

DEPTH (FEET)	WELL CONST CSG	WELL CONST FILL	OVA (PPM)	SAMPLES NO.	SAMPLES TYPE	SAMPLES BLOWS /6"	GRAPH. LOG	SOIL CLASS (USCS)	DESCRIPTION OF MATERIALS	REMARKS
5			0	SB-13-5 0910		4 9 11		ML	SILT-Reddish brown, tan, firm, slightly plastic, slightly moist, mica, no visible staining, no odor	
			0	SB-13-10 0915		9 38 60		SM	SILTY SAND-Reddish brown, fine to coarse grained, some gravels, well graded, mica, no visible staining, no odor	
15			0	sb-13-15 0930		60			SILTY SAND-As above	
20			0	SB-13-20 0945		50 60			SILTY SAND-As above with granitic cobbles.	
									NOTES: Total depth = 21 feet Backfilled with bentonite/cement slurry	

APPENDIX E

LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS

E-1: Storm Drain Waste Classification Analyses

Approval no.: _____

Liquid Waste Management, Inc.

GENERATOR'S WASTE PROFILE

A. GENERAL INFORMATION

Generator name: Unocal Refining + Mktg
Address: 2000 Crow Canyon Place, Suite 400, San Ramon, CA 94583

Transporter name: Kroeker Inc.
Address: 527 W. Browning, Fresno, CA 93704

Technical contact: Bob Boust
Phone: 510/277-2334

Technical contact: Jeff Kroeker
Phone: 209/439-0604

General site activity: Gasoline service station + restaurant

State hazardous waste hauler license: N/A

Process generating waste: Storm drain cleanout -

Are any hazardous or potentially hazardous materials stored or used on site? Yes No
If yes, please list: N/A

Bill to: Kroeker, 527 W. Browning, Fresno, CA 93704-1803

Attention: _____
P.O./Job no.: _____

B. CHARACTERISTICS OF THE WASTE

List any known/suspected hazardous components: see analytical
Check all that apply (a minimum of one per column):

- ☐ Clarifier
- ☐ UST removal
- ☐ Spill
- ☐ Other: _____
- ☒ Soil
- ☐ Water
- ☐ Sludge
- ☐ Other: _____
- ☐ Gas
- ☐ Diesel
- ☐ Waste oil
- ☒ Other: Road oil/coolant

Physical State: ☒ Solid ☐ Liquid ☐ Semi-solid

Color: Brown Odor: _____ No. layers: _____ pH: _____ Flash point: _____
Specific gravity: _____ Cyanides: _____ Sulfides: _____ % liquids: _____ % solids: _____

C. ANALYTICAL (Check all that apply)

- ☒ Analytical data attached
- ☐ Chain of custody attached
- ☐ CAM 17 metals
- ☐ Gas
- ☐ Organic lead
- ☐ Diesel
- ☐ Solvents
- ☐ BTXE
- ☒ Other: 418.1 + Fish Toxicity

D. SHIPPING INFORMATION

Anticipated volume:
_____ Barrels _____ Gallons 2 Yard³ _____ Tons Other: _____

Basis:
☒ One time ☐ Week ☐ Month ☐ Quarter ☐ Year Estimated no. of trucks: 1

E. GENERATOR'S CERTIFICATION:

I hereby certify that this information is truly representative of the abovementioned waste. I agree to notify LWM if there is a change in the generating process that would result in a change in the waste. I also authorize LWM to periodically reanalyze the waste, at my expense, for the purpose of recharacterization. I certify that all samples were collected according to EPA Method SW-846 and that the appropriate chain of custody was attached. I certify that all information submitted in this and all attached documents is complete and accurate and that all known or suspected hazards have been disclosed.

Jeff Adolph for Bob Boust — Authorized signature
Bob Boust — Printed name
11/12/91 — Date

INTERNAL USE ONLY - DO NOT WRITE BELOW THIS LINE

FACILITY DECISION

☐ Accept ☐ Reject ☐ MBM ☐ TLM

Comments: _____

BILLING INFORMATION

☐ Accept ☐ Reject By: _____

Comments: _____

LWM account no.: _____

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (213) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

GEORESEARCH
3960 GILMAN STREET
LONG BEACH, CA 90815

ATTENTION: WARREN GROSS

DATE SAMPLED : 10/31/91
DATE RECEIVED: 11/04/91
DATE ANALYZED: 11/05/91
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO. : 92400-11
ANALYSES: 418.1

PROJECT NAME: UNOCAL #4734
LOCATION: I-5 AT GRAPEVINE
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY INFRARED SPECTROMETRY
EPA METHOD 418.1

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
COMPOSITE OF S1 THRU S6	1000	10

ND - Not detected below indicated limit of detection.

Analyst: TR

Reviewed and Approved:
Report date: 11/5/91

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

11 November 1991

Geo-Research
1713 Tulare Street, Suite 113
Fresno, California 93721

Attention: Mr. Jeff Adolf

Dear Mr. Adolf:

The following are the results of the California Department of Health Services (DOHS) 96-Hour Acute Aquatic Toxicity Bioassay performed on the soil sample Composite of S-1, S-2, S-3, S-4, S-5, S-6 (Geotest Project Number 92400-11) submitted on 4 November 1991. MBC utilized the latest California Department of Health Services procedures for testing the sample.

MBC Sample Number 92-056 - Client Identification: 92400-11
Composite of S-1, S-2, S-3, S-4, S-5, S-6

PERCENT SURVIVORSHIP

250 *mg/ℓ*	100%
500 *mg/ℓ*	100%
750 *mg/ℓ*	100%

The Composite of S-1, S-2, S-3, S-4, S-5, S-6 sample PASSED the 96-Hour Acute Aquatic Toxicity testing at all concentrations tested. Currently, Title 22, Section 66261.24, Article 6 of the California Code of Regulations requires wastes to pass the 96-Hour Aquatic Toxicity testing with greater than 50% survival at the 500 *mg/ℓ* concentration for compliance. Utilizing the analytical data obtained from this test, the Department of Health Services can now evaluate this material for hazardous waste declassification.

A full written report will be prepared later this week. Should you have any questions regarding procedures or results of this test, please contact me at your convenience.

Cordially,

MBC Applied Environmental Sciences

Martina Budris
Technical Coordinator

11/11/91 17:53 ☎ 7146465665 MBC Appl Env Sci P.02

E-2: TPH-G Analyses

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (213) 498-9515 (800) 624-5744

LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED : 01/06/92
DATE RECEIVED: 01/06/92
DATE ANALYZED: 01/06/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-16
ANALYSES: TPH-G

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
HA-1-3	7400	1.0
SB-2-12	ND	1.0
SB-2-17	ND	1.0

ND - Not detected below indicated limit of detection.

Analyst: SB

Reviewed and Approved: _____
Report date: 1/7/92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (213) 498-9515 (800) 624-5744

LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED : 01/10/92
DATE RECEIVED: 01/10/92
DATE ANALYZED: 01/10/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-16
ANALYSES: TPH-G

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
SB 8-11	ND	1.0
SB 8-25	ND	1.0
SB 8-30	ND	1.0
SB 9-16	ND	1.0
SB 9-31	ND	1.0
SB 9-40	ND	1.0

ND - Not detected above indicated limit of detection.

Analyst: AM

Reviewed and Approved: [signature]
Report date: 1/14/92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

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L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED :	01/13/92
DATE RECEIVED:	01/13/92
DATE ANALYZED:	01/13,14/92 01/17/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-16
ANALYSES:	TPH-G

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
SB-11-15	ND	1.0
SB-11-19	ND	1.0
SB12-15	ND	1.0
SB12-20	ND	1.0
SB12-25	ND	1.0
HA-4-8.5	ND	1.0
SB12-40	ND	1.0
SB12-43	ND	1.0

ND - Not detected above indicated limit of detection.

Analyst: AM

Reviewed and Approved: _____
Report date: 2/4/92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (213) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED : 01/14/92
DATE RECEIVED: 01/14/92
DATE ANALYZED: 01/14/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-16
ANALYSES: TPH-G

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
SB-10-15	ND	1.0
SB10-29	ND	1.0
SB-10-39	ND	1.0

ND - Not detected above indicated limit of detection.

Analyst: AM

Reviewed and Approved: _____
Report date: 1/17/92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

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An Environmental Monitoring and Testing Service

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L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED :	01/08/92
DATE RECEIVED:	01/08/92
DATE ANALYZED:	01/08/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-16
ANALYSES:	TPH-G

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
SB 5-6	ND	1.0

ND - Not detected below indicated limit of detection.

Analyst: AM

Reviewed and Approved: _____
Report date: 1/14/92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

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L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED : 01/08/92
DATE RECEIVED: 01/08/92
DATE ANALYZED: 01/08,09/92
01/10/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-16
ANALYSES: TPH-G

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
SS-10-1	1200	1.0
SB 5 16	ND	1.0
SB 5-26	ND	1.0
SS-7-1	ND	1.0
SS 6-1	ND	1.0
SB 5-40	ND	1.0
SS-4-1	ND	1.0
SB 6-15	ND	1.0
SB 7-26	ND	1.0
SB 7-35	ND	1.0

ND - Not detected below indicated limit of detection.

Analyst: AM

Reviewed and Approved: [signature]
Report date: 2/4/92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

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LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED :	01/07/92
DATE RECEIVED:	01/07/92
DATE ANALYZED:	01/07/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-16
ANALYSES:	TPH-G

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
SS-3-1	96	1.0
SS-3-2	ND	1.0
SB 4-16	ND	1.0
SB 4-32	ND	1.0

ND - Not detected below indicated limit of detection.

Analyst: AM

Reviewed and Approved: _____
Report date: 1/14/92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

E-3: Metals Analyses

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (213) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED :	01/06/92
DATE RECEIVED:	01/06/92
DATE ANALYZED:	01/29/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-16
ANALYSES:	TITLE 22 METALS

PROJECT NAME: UNOCAL #4734
9068 W. GRAPEVINE ROAD
LEBEC, CA

SAMPLE ID: HA-2-1

ANALYSIS OF METALS BY ICP EPA METHOD 6010

METALS	RESULTS (mg/kg)	DETECTION LIMITS (mg/kg)
Antimony	ND	0.9
Arsenic	46	2.7
Barium	68	0.06
Beryllium	0.18	0.02
Cadmium	0.62	0.12
Chromium	6.6	0.32
Cobalt	3.1	0.11
Copper	24	0.28
Molybdenum	0.49	0.32
Lead	4.8	0.81
Nickel	3.9	0.20
Selenium	ND	1.6
Silver	ND	0.18

ND - Not detected.

Analyst: SC

Reviewed and Approved: _____
Report date: 2/4/92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST is a division of GEOSERVICES, a California corporation.

ORIGINAL

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (213) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED :	01/06/92
DATE RECEIVED:	01/06/92
DATE ANALYZED:	01/29/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-16
ANALYSES:	TITLE 22 METALS

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

SAMPLE ID: HA-2-1

ANALYSIS OF METALS BY ICP EPA METHOD 6010

METALS	RESULTS (mg/kg)	DETECTION LIMITS (mg/kg)
Thallium	ND	1.2
Vanadium	27	0.17
Zinc	26	0.11

ND - Not detected.

Analyst: SC

Reviewed and Approved: _____
Report date: 2/4/92

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FRESNO, CA 93721

ATTENTION: WARREN GROSS

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DATE RECEIVED:	01/06/92
DATE ANALYZED:	01/29/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-16
ANALYSES:	TITLE 22 METALS

PROJECT NAME: UNOCAL #4734
9068 W. GRAPEVINE ROAD
LEBEC, CA

SAMPLE ID: HA-3-1

ANALYSIS OF METALS BY ICP EPA METHOD 6010

METALS	RESULTS (mg/kg)	DETECTION LIMITS (mg/kg)
Antimony	ND	0.9
Arsenic	79	2.7
Barium	68	0.06
Beryllium	0.20	0.02
Cadmium	0.97	0.12
Chromium	8.1	0.32
Cobalt	3.8	0.11
Copper	31	0.28
Molybdenum	0.47	0.32
Lead	5.2	0.81
Nickel	6.0	0.20
Selenium	ND	1.6
Silver	ND	0.18

ND - Not detected.

Analyst: SC

Reviewed and Approved: _____
Report date: 2/4/92

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L A B O R A T O R Y R E P O R T

GEORESEARCH
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FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED :	01/06/92
DATE RECEIVED:	01/06/92
DATE ANALYZED:	01/29/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-16
ANALYSES:	TITLE 22 METALS

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

SAMPLE ID: HA-3-1

ANALYSIS OF METALS BY ICP EPA METHOD 6010

METALS	RESULTS (mg/kg)	DETECTION LIMITS (mg/kg)
Thallium	ND	1.2
Vanadium	27	0.17
Zinc	30	0.11

ND - Not detected.

Analyst: SC

Reviewed and Approved: _____
Report date: 2/4/92

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L A B O R A T O R Y R E P O R T

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FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED : 01/06/92
DATE RECEIVED: 01/06/92
DATE ANALYZED: 01/29/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-16
ANALYSES: MERCURY

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF MERCURY BY COLD VAPOR/ATOMIC ABSORPTION EPA METHOD 7470

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
HA-2-1	0.009	0.005
HA-3-1	0.013	0.005

ND - Not detected below indicated limit of detection.

Analyst: SJ

Reviewed and Approved: _____
Report date: 2/4/92

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A M E N D E D L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED :	01/07/92
DATE RECEIVED:	01/07/92
DATE ANALYZED:	01/16/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-16
ANALYSES:	TITLE 22 METALS

PROJECT NAME: UNOCAL #4734
9068 W. GRAPEVINE ROAD
LEBEC, CA

SAMPLE ID: SS-3-1

ANALYSIS OF METALS BY ICP EPA METHOD 6010

METALS	RESULTS (mg/kg)	DETECTION LIMITS (mg/kg)
Antimony	ND	0.9
Arsenic	1.6	2.7
Barium	71	0.058
Beryllium	0.35	0.020
Cadmium	0.42	0.12
Chromium	20	0.32
Cobalt	5.6	0.11
Copper	44	0.28
Molybdenum	0.89	0.32
Lead	59	0.81
Nickel	13	0.20
Selenium	ND	1.6
Silver	ND	0.18

AMENDED - Units of measurement revised.

ND - Not detected.

Analyst: SC

Reviewed and Approved: _____
Report date: 2/11/92

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L A B O R A T O R Y R E P O R T

GEORESEARCH	DATE SAMPLED : 01/07/92
1713 TULARE STREET, SUITE 113	DATE RECEIVED: 01/07/92
FRESNO, CA 93721	DATE ANALYZED: 01/16/92
	SAMPLE MATRIX: SOIL
ATTENTION: WARREN GROSS	CLIENT ID : 92075
	GEOTEST PROJECT NO.: 92400-16
	ANALYSES: TITLE 22 METALS

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

SAMPLE ID: SS-3-1

ANALYSIS OF METALS BY ICP EPA METHOD 6010

METALS	RESULTS (mg/kg)	DETECTION LIMITS (mg/kg)
Thallium	ND	1.2
Vanadium	28	0.17
Zinc	80	0.11

ND - Not detected.

Analyst: SC

Reviewed and Approved:

Report date: 2/28/92

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GEOTEST
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L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED : 01/07/92
DATE RECEIVED: 01/07/92
DATE ANALYZED: 01/14/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-16
ANALYSES: 7470

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF MERCURY BY COLD VAPOR/ATOMIC ABSORPTION
EPA METHOD 7470

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
SS-3-1	0.026	0.005

ND - Not detected below indicated limit of detection.

Analyst: SJ

Reviewed and Approved: _____
Report date: 1/15/92

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GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (213) 498-9515 (800) 624-5744

AMENDED LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED :	01/08/92
DATE RECEIVED:	01/08/92
DATE ANALYZED:	01/16/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-16
ANALYSES:	TITLE 22 METALS

PROJECT NAME: UNOCAL #4734
9068 W. GRAPEVINE ROAD
LEBEC, CA

SAMPLE ID: SS-10-1

ANALYSIS OF METALS BY ICP EPA METHOD 6010

METALS	RESULTS (mg/kg)	DETECTION LIMITS (mg/kg)
Antimony	ND	0.9
Arsenic	3.8	2.7
Barium	42	0.058
Beryllium	0.21	0.020
Cadmium	0.32	0.12
Chromium	9.7	0.32
Cobalt	3.1	0.11
Copper	23	0.28
Molybdenum	1.0	0.32
Lead	66	0.81
Nickel	6.5	0.20
Selenium	ND	1.6
Silver	ND	0.18

AMENDED - Units of measurement revised.

ND - Not detected.

Analyst: SC

Reviewed and Approved: [signature]
Report date: 2/11/92

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AMENDED LABORATORY REPORT

GEORESEARCH
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FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED :	01/08/92
DATE RECEIVED:	01/08/92
DATE ANALYZED:	01/16/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-16
ANALYSES:	TITLE 22 METALS

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

SAMPLE ID: SS-10-1

ANALYSIS OF METALS BY ICP EPA METHOD 6010

METALS	RESULTS (mg/kg)	DETECTION LIMITS (mg/kg)
Thallium	ND	1.2
Vanadium	16	0.17
Zinc	95	0.11

AMENDED - Units of measurement revised.

ND - Not detected.

Analyst: SC

Reviewed and Approved: _____
Report date: 2/11/92

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L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED : 01/08/92
DATE RECEIVED: 01/08/92
DATE ANALYZED: 01/14/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-16
ANALYSES: 7470

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF MERCURY BY COLD VAPOR/ATOMIC ABSORPTION
EPA METHOD 7470

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
SS-10-1	0.015	0.005

ND - Not detected below indicated limit of detection.

Analyst: SJ

Reviewed and Approved: [signature]
Report date: 1/15/92

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AMENDED LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED :	01/07,08/92
DATE RECEIVED:	01/07,08/92
DATE ADDITIONAL ANALYSES REQUESTED:	01/28/92
DATE ANALYZED:	02/04/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-16
ANALYSES:	STLC LEAD

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF STLC LEAD BY EPA METHOD 7421

SAMPLE ID	RESULTS (mg/L)	DETECTION LIMIT (mg/L)
SS-3-1	ND	0.010
SS-10-1	0.039	0.010

AMENDED - Units of measurement revised.

ND - Not detected below indicated limit of detection.

Analyst: SJ

Reviewed and Approved: _____
Report date: 2/11/92

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L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

PROJECT NAME: UNOCAL #4734
9068 W. GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED :	01/06/92
DATE RECEIVED:	01/06/92
DATE ADDITIONAL ANALYSES REQUESTED:	02/10/92
DATE ANALYZED:	02/11/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-16
ANALYSES:	STLC ARSENIC

SAMPLE ID: HA-3-1

ANALYSIS OF STLC ARSENIC BY ICP

METALS	RESULTS (mg/L)	DETECTION LIMITS (mg/L)
Arsenic	2.1	0.054

ND - Not detected.

Analyst: SC

Reviewed and Approved: [signature]
Report date: 2/12/92

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E-4: BTEX Analyses

GeoResearch

1713 Tulare, Suite 113
Fresno, California 93721
(209) 264-0444
(800) 523-4786

DATE: 5/8/92

TO: Mr Terry Grey
Kern County Environmental Health Services

FROM: Blair Redgrave
GeoResearch

TIME: 1250

TO FAX # 805-861-3429 FROM FAX # (209) 264-9800

Number if pages including cover page. 3 If you have any questions regarding this transaction, please call (209) 264-0444.

SIGNATURE: Blair Redgrave

COMMENTS: Thanks.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (213) 498-8515 (800) 624-5744

LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED : 01/07/92
DATE RECEIVED: 01/07/92
DATE ANALYZED: 01/07/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-16
ANALYSES: BTEX

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF ORGANIC AROMATICS BY EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
SB-3-16	ND	ND	ND	ND
SB-3-31	ND	ND	ND	ND
SB-3-41	ND	ND	ND	ND
SS-3-1	0.30	1.2	0.42	2.7
→ SS-3-2	ND	ND	ND	ND
SB 4-16	ND	ND	ND	ND
SB 4-32	ND	ND	ND	ND

ND - Not detected below indicated limit of detection.

Analyst: AM

Reviewed and Approved: [signature]
Report date: 1/14/92

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FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED :	01/07/92
DATE RECEIVED:	01/07/92
DATE ANALYZED:	01/07/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-16
ANALYSES:	TPH-G

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
SS-3-1	96	1.0
→ SS-3-2	ND	1.0
SB 4-16	ND	1.0
SB 4-32	ND	1.0

ND - Not detected below indicated limit of detection.

Analyst: AM

Reviewed and Approved: _____
Report date: 1/14/92

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LABORATORY REPORT

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FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED : 01/07/92
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DATE ANALYZED: 01/07/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-16
ANALYSES: BTEX

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF ORGANIC AROMATICS BY EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
SB-3-16	ND	ND	ND	ND
SB-3-31	ND	ND	ND	ND
SB-3-41	ND	ND	ND	ND
SS-3-1	0.30	1.2	0.42	2.7
SS-3-2	ND	ND	ND	ND
SB 4-16	ND	ND	ND	ND
SB 4-32	ND	ND	ND	ND

ND - Not detected below indicated limit of detection.

Analyst: AM

Reviewed and Approved: [signature]
Report date: 1/14/92

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LABORATORY REPORT

GEORESEARCH
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FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED : 01/08/92
DATE RECEIVED: 01/08/92
DATE ANALYZED: 01/08/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-16
ANALYSES: BTEX

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF ORGANIC AROMATICS BY EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
SB 5-6	ND	ND	ND	ND

ND - Not detected below indicated limit of detection.

Analyst: AM

Reviewed and Approved: [signature]
Report date: 1/14/92

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L A B O R A T O R Y R E P O R T

GEORESEARCH
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FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED : 01/08/92
DATE RECEIVED: 01/08/92
DATE ANALYZED: 01/08,09/92
01/10/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-16
ANALYSES: BTEX

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF ORGANIC AROMATICS BY EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
SS-10-1	0.20	6.2	4.5	42
SB 5 16	ND	ND	ND	ND
SB 5-26	ND	ND	ND	ND
SS-7-1	ND	ND	ND	ND
SS 6-1	ND	ND	ND	ND
SB 5-40	ND	ND	ND	ND
SS-4-1	ND	ND	ND	ND
SB 6-15	ND	ND	ND	ND
SB 7-26	ND	ND	ND	ND
SB 7-35	ND	ND	ND	ND

ND - Not detected below indicated limit of detection.

Analyst: AM

Reviewed and Approved: _____
Report date: 2/4/92

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GEORESEARCH
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FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED : 01/14/92
DATE RECEIVED: 01/14/92
DATE ANALYZED: 01/14/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-16
ANALYSES: BTEX

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF ORGANIC AROMATICS BY EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
SB-10-15	ND	ND	ND	ND
SB10-29	ND	ND	ND	ND
SB-10-39	ND	ND	ND	ND

ND - Not detected below indicated limit of detection.

Analyst: AM

Reviewed and Approved: _____
Report date: 1/17/92

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GEOTEST
An Environmental Monitoring and Testing Service

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LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED : 01/13/92
DATE RECEIVED: 01/13/92
DATE ANALYZED: 01/13,14/92
01/17/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-16
ANALYSES: BTEX

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF ORGANIC AROMATICS BY EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
SB-11-15	ND	ND	ND	ND
SB-11-19	ND	ND	ND	ND
SB12-15	ND	ND	ND	ND
SB12-20	ND	0.01	ND	0.017
SB12-25	ND	ND	ND	ND
HA-4-8.5	ND	ND	ND	ND
SB12-40	ND	ND	ND	ND
SB12-43	ND	ND	ND	ND

ND - Not detected below indicated limit of detection.

Analyst: AM

Reviewed and Approved: _____
Report date: 1/17/92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST is a division of GEOSERVICES, a California corporation.

ORIGINAL

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (213) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED : 01/10/92
DATE RECEIVED: 01/10/92
DATE ANALYZED: 01/10/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-16
ANALYSES: BTEX

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF ORGANIC AROMATICS BY EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
SB 8-11	ND	ND	ND	ND
SB 8-25	ND	ND	ND	ND
SB 8-30	ND	ND	ND	ND
SB 9-16	ND	ND	ND	ND
SB 9-31	ND	ND	ND	ND
SB 9-40	ND	ND	ND	ND

ND - Not detected below indicated limit of detection.

Analyst: AM

Reviewed and Approved: [signature]
Report date: 1/14/92

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An Environmental Monitoring and Testing Service

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LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED : 01/06/92
DATE RECEIVED: 01/06/92
DATE ANALYZED: 01/06/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-16
ANALYSES: BTEX

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF ORGANIC AROMATICS BY EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
SB-1-15	ND	ND	ND	ND
SB-1-30	ND	ND	ND	ND
HA-1-3	32	640	180	1300
SB-2-12	ND	ND	ND	ND
SB-2-17	ND	ND	ND	ND

ND - Not detected below indicated limit of detection.

Analyst: SB

Reviewed and Approved: _____
Report date: 1/7/92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

E-5: TPH-D Analyses

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (213) 498-9515 (800) 624-5744

LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED : 01/08/92
DATE RECEIVED: 01/08/92
DATE ANALYZED: 01/14/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-16
ANALYSES: TPH-D

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY CAL/DOHS TPH FOR DIESEL

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
SS-7-1	ND	10
SS 6-1	ND	10
SS-4-1	270*	10
SB 7-26	ND	10

* Sample contained TPH with higher boiling point than diesel.

ND - Not detected below indicated limit of detection.

Analyst: SB

Reviewed and Approved: _____
Report date: 1/15/92

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GEOTEST
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LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED :	01/10/92
DATE RECEIVED:	01/10/92
DATE ANALYZED:	01/14/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-16
ANALYSES:	TPH-D

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY CAL/DOHS TPH FOR DIESEL

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
SB 8-11	ND	10
SB 9-31	ND	10

ND - Not detected below indicated limit of detection.

Analyst: SB

Reviewed and Approved: _____
Report date: 1/15/92

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GEOTEST
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L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED : 01/07/92
DATE RECEIVED: 01/07/92
DATE ANALYZED: 01/14/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-16
ANALYSES: TPH-D

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY CAL/DOHS TPH FOR DIESEL

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
SB-3-16	ND	10
SB-3-31	ND	10
SB-3-41	ND	10
SS-3-1	ND	10

ND - Not detected below indicated limit of detection.

Analyst: SB

Reviewed and Approved: _____
Report date: 1/15/92

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GEOTEST
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Post Office Box 90911, Long Beach, California 90809-0911 (213) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED : 01/06/92
DATE RECEIVED: 01/06/92
DATE ANALYZED: 01/10/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-16
ANALYSES: TPH-D

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR DIESEL

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
SB-1-15	ND	10
SB-1-30	ND	10

ND - Not detected below indicated limit of detection.

Analyst: MB

Reviewed and Approved: _____
Report date: 1/10/92

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E-6: TRPH Analyses

GEOTEST
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MAR 2 1992

LABORATORY REPORT

PROJECT # 92075
BR
WG

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED :	01/08/92
DATE RECEIVED:	01/08/92
DATE ADDITIONAL ANALYSES REQUESTED:	03/13/92
DATE ANALYZED:	03/19/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-16
ANALYSES:	418.1

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY INFRARED SPECTROMETRY EPA METHOD 418.1

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
SB5-SURF	730	10

ND - Not detected below indicated limit of detection.

Analyst: TR

Reviewed and Approved: _____
Report date: 3/24/92

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GEOTEST
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Post Office Box 90911, Long Beach, California 90809-0911 (213) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
EPA METHOD 418.1

GEOTEST CLIENT NAME: GEORESEARCH
GEOTEST PROJECT NO 92400-16
GEOTEST PROJECT NAME: UNOCAL #4734
DATE ANALYZED: 03/19/92
SAMPLE MATRIX: SOIL

ELAP certification #1225
Analyses method: 418.1

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	10

	% ACCURACY	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	108	70 - 130%

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE	108	70 - 130%

	% REPRODUCIBILITY	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	99	70 - 130%

Checked and Approved: _____

Report Date: 3/19/92

GEOTEST
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LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED : 01/07/92
DATE RECEIVED: 01/07/92
DATE ANALYZED: 01/07/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-16
ANALYSES: 418.1

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY INFRARED SPECTROMETRY EPA METHOD 418.1

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
SS-1-1	ND	10
SS-2-1	ND	10
SS-3-1	490	10
SS-3-2	170	10
SS-3-4	ND	10

ND - Not detected below indicated limit of detection.

Analyst: AM

Reviewed and Approved: _____
Report date: 1/14/92

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LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED : 01/08/92
DATE RECEIVED: 01/08/92
DATE ANALYZED: 01/08/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-16
ANALYSES: 418.1

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY INFRARED SPECTROMETRY
EPA METHOD 418.1

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
SS-12-1	ND	10
SS-11-1	ND	10
SS-10-1	6000	10
SS-10-2	ND	10
SS 9-1	ND	10
SS 8-1	29	10
SS 8-2	56	10
SS-7-1	ND	10
SS 6-1	210	10
SS-4-1	120	10
SB 7-26	ND	10

ND - Not detected below indicated limit of detection.

Analyst: AM

Reviewed and Approved: AM
Report date: 1/14/92

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LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED :	01/14/92
DATE RECEIVED:	01/14/92
DATE ANALYZED:	01/14/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-16
ANALYSES:	418.1

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY INFRARED SPECTROMETRY
EPA METHOD 418.1

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
SB13-10	ND	10
SB-13-20	ND	10

ND - Not detected above indicated limit of detection.

Analyst: AM

Reviewed and Approved: _____
Report date: 1/17/92

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GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (213) 498-9515 (800) 624-5744

LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED : 01/10/92
DATE RECEIVED: 01/10/92
DATE ANALYZED: 01/10/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92400-16
ANALYSES: 418.1

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY INFRARED SPECTROMETRY
EPA METHOD 418.1

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
SS 6-4	ND	10
SB 8-11	ND	10
SB 8-25	ND	10
SB 8-30	ND	10
SB 9-31	ND	10

ND - Not detected below indicated limit of detection.

Analyst: AM

Reviewed and Approved: _____
Report date: 1/14/92

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GEOTEST
An Environmental Monitoring and Testing Service

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LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED :	01/06/92
DATE RECEIVED:	01/06/92
DATE ANALYZED:	01/06/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-16
ANALYSES:	418.1

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY INFRARED SPECTROMETRY EPA METHOD 418.1

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
HA-2-1	360	10
HA-3-1	760	10
HA-2-5	370	10
HA-3-3	680	10

ND - Not detected below indicated limit of detection.

Analyst: SB

Reviewed and Approved: [signature]
Report date: 1/7/92

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GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (213) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED :	01/09/92
DATE RECEIVED:	01/09/92
DATE ANALYZED:	01/09/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92400-16
ANALYSES:	418.1

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY INFRARED SPECTROMETRY EPA METHOD 418.1

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
SS 6-2	190	10

ND - Not detected below indicated limit of detection.

Analyst: AM

Reviewed and Approved: _____
Report date: 1/14/92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

E-7: Purgeable Halocarbon Analyses

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (213) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED : 01/08/92
DATE RECEIVED: 01/08/92
DATE ANALYZED: 01/13/92
SAMPLE MATRIX: SOIL
CLIENT ID : 92075
GEOTEST PROJECT NO.: 92500-16
ANALYSES: 8240

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

SAMPLE ID:SB 7-26

ANALYSIS OF PURGEABLE HALOCARBONS IN SOIL AND WASTE EPA METHOD 8010 COMPOUNDS BY 8240

COMPOUNDS	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
Chloromethane	ND	0.005
Bromomethane	ND	0.005
Vinyl Chloride	ND	0.005
Chloroethane	ND	0.005
1,1-Dichloroethene	ND	0.005
Methylene Chloride	ND	0.005
trans-1,2-Dichloroethene	ND	0.005
1,1-Dichloroethane	ND	0.005
Chloroform	ND	0.005
1,1,1-Trichloroethane	ND	0.005
Carbon Tetrachloride	ND	0.005
1,2-Dichloroethane	ND	0.005
Trichloroethene	ND	0.005

ND - Not detected below indicated limit of detection.

Analyst: MB

Reviewed and Approved: _____
Report date: 1/15/92

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GEOTEST
An Environmental Monitoring and Testing Service

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LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED :	01/08/92
DATE RECEIVED:	01/08/92
DATE ANALYZED:	01/13/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	91187
GEOTEST PROJECT NO.:	92075
ANALYSES:	8240

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

SAMPLE ID:SB 7-26

ANALYSIS OF PURGEABLE HALOCARBONS IN SOIL AND WASTE EPA METHOD 8010 COMPOUNDS BY 8240

COMPOUNDS	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
1,2-Dichloropropane	ND	0.005
Bromodichloromethane	ND	0.005
cis-1,3-Dichloropropane	ND	0.005
trans-1,3-Dichloropropene	ND	0.005
Chlorobenzene	ND	0.005
Bromoform	ND	0.005
1,1,2,2-Tetrachloroethane	ND	0.005
1,3-Dichlorobenzene	ND	0.005
1,4-Dichlorobenzene	ND	0.005
1,2-Dichlorobenzene	ND	0.005
1,1,2-Trichloroethane	ND	0.005
Tetrachloroethene	ND	0.005
Dibromochloromethane	ND	0.005

ND - Not detected below indicated limit of detection.

Analyst: MB

Reviewed and Approved: _____
Report date: 1/15/92

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GEOTEST
An Environmental Monitoring and Testing Service

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LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED :	01/10/92
DATE RECEIVED:	01/10/92
DATE ANALYZED:	01/13/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92500-16
ANALYSES:	8240

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

SAMPLE ID:SB 8-11

ANALYSIS OF PURGEABLE HALOCARBONS IN SOIL AND WASTE
EPA METHOD 8010 COMPOUNDS BY 8240

COMPOUNDS	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
Chloromethane	ND	0.005
Bromomethane	ND	0.005
Vinyl Chloride	ND	0.005
Chloroethane	ND	0.005
1,1-Dichloroethene	ND	0.005
Methylene Chloride	ND	0.005
trans-1,2-Dichloroethene	ND	0.005
1,1-Dichloroethane	ND	0.005
Chloroform	ND	0.005
1,1,1-Trichloroethane	ND	0.005
Carbon Tetrachloride	ND	0.005
1,2-Dichloroethane	ND	0.005
Trichloroethene	ND	0.005

ND - Not detected below indicated limit of detection.

Analyst: MB

Reviewed and Approved: _____
Report date: 1/15/92

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GEOTEST
An Environmental Monitoring and Testing Service

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L A B O R A T O R Y R E P O R T

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED :	01/08/92
DATE RECEIVED:	01/08/92
DATE ANALYZED:	01/13/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	91187
GEOTEST PROJECT NO.:	92075
ANALYSES:	8240

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

SAMPLE ID:SB 8-11

ANALYSIS OF PURGEABLE HALOCARBONS IN SOIL AND WASTE EPA METHOD 8010 COMPOUNDS BY 8240

COMPOUNDS	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
1,2-Dichloropropane	ND	0.005
Bromodichloromethane	ND	0.005
cis-1,3-Dichloropropane	ND	0.005
trans-1,3-Dichloropropene	ND	0.005
Chlorobenzene	ND	0.005
Bromoform	ND	0.005
1,1,2,2-Tetrachloroethane	ND	0.005
1,3-Dichlorobenzene	ND	0.005
1,4-Dichlorobenzene	ND	0.005
1,2-Dichlorobenzene	ND	0.005
1,1,2-Trichloroethane	ND	0.005
Tetrachloroethene	ND	0.005
Dibromochloromethane	ND	0.005

ND - Not detected below indicated limit of detection.

Analyst: MB

Reviewed and Approved: _____
Report date: 1/15/92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (213) 498-9515 (800) 624-5744

LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED :	01/10/92
DATE RECEIVED:	01/10/92
DATE ANALYZED:	01/13/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	92075
GEOTEST PROJECT NO.:	92500-16
ANALYSES:	8240

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

SAMPLE ID:SB 9-31

ANALYSIS OF PRUGEABLE HALOCARBONS IN SOIL AND WASTE EPA METHOD 8010 COMPOUNDS BY 8240

COMPOUNDS	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
Chloromethane	ND	0.005
Bromomethane	ND	0.005
Vinyl Chloride	ND	0.005
Chloroethane	ND	0.005
1,1-Dichloroethene	ND	0.005
Methylene Chloride	ND	0.005
trans-1,2-Dichloroethene	ND	0.005
1,1-Dichloroethane	ND	0.005
Chloroform	ND	0.005
1,1,1-Trichloroethane	ND	0.005
Carbon Tetrachloride	ND	0.005
1,2-Dichloroethane	ND	0.005
Trichloroethene	ND	0.005

ND - Not detected below indicated limit of detection.

Analyst: MB

Reviewed and Approved: _____

Report date: 1/15/92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (213) 498-9515 (800) 624-5744

LABORATORY REPORT

GEORESEARCH
1713 TULARE STREET, SUITE 113
FRESNO, CA 93721

ATTENTION: WARREN GROSS

DATE SAMPLED :	01/08/92
DATE RECEIVED:	01/08/92
DATE ANALYZED:	01/13/92
SAMPLE MATRIX:	SOIL
CLIENT ID :	91187
GEOTEST PROJECT NO.:	92075
ANALYSES:	8240

PROJECT NAME: UNOCAL #4734
LOCATION: 9068 W. GRAPEVINE ROAD
LEBEC, CA

SAMPLE ID:SB 9-31

ANALYSIS OF PURGEABLE HALOCARBONS IN SOIL AND WASTE EPA METHOD 8010 COMPOUNDS BY 8240

COMPOUNDS	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
1,2-Dichloropropane	ND	0.005
Bromodichloromethane	ND	0.005
cis-1,3-Dichloropropane	ND	0.005
trans-1,3-Dichloropropene	ND	0.005
Chlorobenzene	ND	0.005
Bromoform	ND	0.005
1,1,2,2-Tetrachloroethane	ND	0.005
1,3-Dichlorobenzene	ND	0.005
1,4-Dichlorobenzene	ND	0.005
1,2-Dichlorobenzene	ND	0.005
1,1,2-Trichloroethane	ND	0.005
Tetrachloroethene	ND	0.005
Dibromochloromethane	ND	0.005

ND - Not detected below indicated limit of detection.

Analyst: MB

Reviewed and Approved: _____
Report date: 1/15/92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

E-8: Chain-of-Custody Documents

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST PROJECT NO: 9240-16
DATE 1/8/92 PAGE 2 OF 4

PROJECT NAME UNOCAL 4734
ADDRESS 9268 W. Grangeville Lodi, CA
SAMPLER'S SIGNATURE Blair Redfearn
PRINTED NAME BLAIR REDFEARN
CLIENT PROJECT NO. 92025
PROJECT MANAGER WALKER GROSS

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS					Hold	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SS 9-1	1/8/92	9:25	Along Fence North of Station				X							S	GLASS	1	
SS 9-2		9:35	11										X		BRASS	1	
SS 9-4		9:45	11				BR						X			1	
SB5-Surf		9:24	Soil boring #5 SURFACE				X						X		GLASS	1	
SS 8-1		9:50	Along fence North of Station				X									1	
SS 8-2		10:00	11				X								BRASS	1	
SS 8-4		10:10	11										X			1	
SB5-11		9:50	Soil boring #5-11'										X			1	

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE Blair Redfearn	1/8/92	SIGNATURE		SIGNATURE	
PRINTED NAME Geo Research	TIME 1800	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY		COMPANY		COMPANY	
4 RECEIVED BY	**DATE**	**5 RECEIVED BY**	**DATE**	**6 RECEIVED BY (LAB)**	**DATE**
SIGNATURE ALLEN MONACEF	1/8/92	SIGNATURE		SIGNATURE Kojo	1/3/92
PRINTED NAME GEOTEST	TIME 19:00	PRINTED NAME	TIME	PRINTED NAME Kojo	TIME 12:30 p.m.
COMPANY		COMPANY		COMPANY	

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS

GEOTEST
3960 E. Gilman Street
Long Beach, 90815
Telephone: (213) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST PROJECT NO: 92400-11
DATE _____ PAGE ___ OF ___

PROJECT NAME: UNOCAL 4734
REFERENCE: I-5 At Grapevine
ADDRESS: Lebec, CA
SAMPLERS SIGNATURE: Blair Redfern
CLIENT PROJECT NO.: GR# 92075
PROJECT MANAGER: Warren Gross

METHODS

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	8020/602 BTEX	HALOGENATED VOLATILE (8010/601)	418.1	Fish Toxicity					NUMBER OF CONTAINERS	COMMENTS/ CONTAINER TYPE
S-1	10/31/91	1630	From Garbage bag					X	X					1	~~One~~ Composite - ~~418.1~~
S-2	"	1631	"					X	X					1	mix 1 part each of S-1, S-2,
S-3	"	1632	"					X	X					1	& S-3 with 2 parts each
S-4	"	1635	From sand pile					X	X					1	S-4, S-5, S-6
S-5	"	1636	"					X	X					1	
S-6	"	1637	"					X	X					1	Please forward
															one - Composite
															Sample to MBC
															Applied Envir.
															Sciences by 1000 11/5/91
														6	TOTAL NUMBER OF CONTAINERS

1 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE	5 RELINQUISHED BY	DATE
SIGNATURE: Blair Redfern	11/1/91	SIGNATURE: Jeff Adolph	11/3/91	SIGNATURE: Greyhound Pkg. Express	11/4/91
PRINTED NAME: Blair Redfern	TIME: 1700	PRINTED NAME: Jeff Adolph	TIME: 12:00	PRINTED NAME:	TIME: 10:45 A.M.
COMPANY: GeoResearch		COMPANY: GeoResearch		COMPANY:	

2 RECEIVED BY	DATE	4 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE: Jeff Adolph	11/1/91	SIGNATURE: Greyhound Express	11/3/91	SIGNATURE: [signature]	11/4/91
PRINTED NAME: Jeff Adolph	TIME: 1700	PRINTED NAME:	TIME: 12:00	PRINTED NAME: Lionel Rob	TIME: 10:45 A.M.
COMPANY: GeoResearch		COMPANY:		COMPANY: Geotest	

SAMPLE CONDITIONS
TRANSPORTER _____
RECEIVED ON ICE YES / NO
CHAIN OF CUSTODY SEAL YES / NO

SPECIAL SHIPMENT/HANDLING OR STORAGE REQUIREMENTS:

W.O. 4198

GEOTEST
3960 Gilman Street
Long Beach, CA. 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST PROJECT NO: 92400-11
DATE 11-4-91 PAGE 1 OF 1

PROJECT NAME 92400-11
ADDRESS
SAMPLER'S SIGNATURE
PRINTED NAME
CLIENT PROJECT NO.
PROJECT MANAGER

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	Fish Toxicity				MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
Composite of S-1, S-2, S-3, S-4 S-5, S-6									X				S	2 JAR	1	

1 RELINQUISHED BY: Lionel Rojo	DATE 11/4/91	RELINQUISHED BY: Fernando N. Aranda	DATE 11-4-91	RELINQUISHED BY	DATE	SAMPLE CONDITIONS	
SIGNATURE: Lionel Rojo		SIGNATURE: Fernando N. Aranda		SIGNATURE		RECEIVED ON ICE	YES/NO
PRINTED NAME: GEOTEST	TIME 3:50 p.m.	PRINTED NAME: Affordable Messenger	TIME 4:40	PRINTED NAME	TIME	CHAIN OF CUSTODY SEAL	YES/NO
COMPANY		COMPANY		COMPANY			
RECEIVED BY: Fernando N. Aranda	DATE 11-4-91	RECEIVED BY: Diana Budris	DATE 4 NOV 91	RECEIVED BY (LAB)	DATE	PROJECT COMMENTS	
SIGNATURE: Fernando N. Aranda		SIGNATURE: Diana Budris		SIGNATURE			
PRINTED NAME: Affordable Messenger	TIME 3:51	PRINTED NAME: MBC	TIME 4:40.	PRINTED NAME	TIME		
COMPANY		COMPANY		COMPANY			

GEOTEST
3960 Gilman Street
Long Beach, CA. 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST PROJECT NO: 92400-16
DATE 1/6/92 PAGE 1 OF 2

PROJECT NAME: UNOCAL 4734
ADDRESS: 9068 West Grapevine Rd
SAMPLER'S SIGNATURE: Blair Radtke
PRINTED NAME: BLAIR RADTKE
CLIENT PROJECT NO.: 92025
PROJECT MANAGER: WARREN GROSS

SAMPLE NO.	DATE	TIME	LOCATION	METHODS: TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	Hold					MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SB-1-5	1/6/92	1030	Soil boring #1 - 5'		~~✓~~ BF	~~✓~~ BF			✓					S		1	brass Ring
SB-1-10	"	1100	" 10'						✓					"		1	"
SB-1-15	"	1115	" 15'		✓	✓								"		1	"
SB-1-30	"	1200	" 30'		✓	✓								"		1	"
HA-1-3	"	1215	Hand Auger boring #1 - 3'	✓		✓								"		1	"
SB-2-5	"	1430	Soil boring #2 - 5'						✓					"		1	"
SB-2-12	"	1445	" 12'	✓		✓								"		1	"
SB-2-17	"	1600	" 17'	✓		✓								"		1	"

1 RELINQUISHED BY: Blair Radtke	DATE: 1/6/92	2 RELINQUISHED BY:	DATE:	3 RELINQUISHED BY:	DATE:	SAMPLE CONDITIONS	
SIGNATURE: BLAIR RADTKE		SIGNATURE:		SIGNATURE:		RECEIVED ON ICE	YES/NO
PRINTED NAME: GeoResearch	TIME: 5:40	PRINTED NAME:	TIME:	PRINTED NAME:	TIME:	CHAIN OF CUSTODY SEAL	YES/NO
COMPANY:		COMPANY:		COMPANY:		PROJECT COMMENTS	
4 RECEIVED BY: Scott Breffle	DATE: 1/6/92	5 RECEIVED BY:	DATE:	6 RECEIVED BY (LAB):	DATE: 1/7/92		
SIGNATURE: SCOTT BREFFLE		SIGNATURE:		SIGNATURE: Lione Rojo			
PRINTED NAME: Geotest	TIME: 5:40	PRINTED NAME:	TIME:	PRINTED NAME: Geotest	TIME: 4:00 p.m		
COMPANY:		COMPANY:		COMPANY:			

GEOTEST
3960 Gilman Street
Long Beach, CA. 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST
PROJECT NO: 92410-16
DATE 1/7/92 PAGE 1 OF 3

PROJECT NAME UNOCAL 4734
ADDRESS 9068 W. [illegible]
SAMPLER'S SIGNATURE Blair Redfearn
PRINTED NAME Blair Redfearn
CLIENT PROJECT NO. 92075
PROJECT MANAGER WARREN GROSS

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS					Hold	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SB-3-6	1/7/92	10:05	Soil boring #3 - 6'										X	S	Brass tube	1	
SB-3-11	1/7/92	10:15	" 11'										X	S		1	
SB 3-16	1/7/92	10:30	" 16'		X	X								S		1	
SB-3-21	1/7/92	10:40	" 21'										X	S		1	
SB-3-26	1/7/92	10:45	" 26'										X	S		1	
SB 3-31	1/7/92	11:00	" 31'		X	X								S		1	
SB-3-36	1/7/92	11:15	" 36'										X	S		1	
SB-3-41	1/7/92	11:40	" 41'		X	X								S		1	
SS-1-1	1/7/92	13:00	Soil Sample #1 - 1'				X							S	G	1	

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE Blair Redfearn	1/7/92	SIGNATURE		SIGNATURE	
PRINTED NAME Blair Redfearn	TIME	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY GeoResearch	1730	COMPANY		COMPANY	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE [signature]	1/7/92	SIGNATURE		SIGNATURE [signature]	1/13/92
PRINTED NAME ALLEN MITAKEF	TIME	PRINTED NAME	TIME	PRINTED NAME [illegible]	TIME
COMPANY GEOTEST	17:30	COMPANY		COMPANY GEOTEST	17:30

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST
PROJECT NO: 924 [illegible] - 16
DATE 1/7/92 PAGE 2 OF 3

PROJECT NAME UNOCAL 4734
ADDRESS 9068 W. Grapevine Lebec CA
SAMPLER'S SIGNATURE [signature]
PRINTED NAME Blair Redfearn
CLIENT PROJECT NO. 92075
PROJECT MANAGER Warren Gross

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	CAM Metals				Hold	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SS-1-2	1/7/92	13:15	Soil Sample 1 2'										X	S	brass ring	1	
SS-1-4	1/7/92	13:20	" 4'										X	S	↓	1	
SS-2-1	1/7/92	13:25	Soil Sample 2 1'				X							S	G	1	
SS-2-2	1/7/92	13:40	" 2'										X	S	Brass Ring	1	
SS-3-1	1/7/92	14:00	Soil Sample 3 1'	X	X	X	X		X					S	G	1	
SS-3-2	1/7/92	14:30	" 2'	X		X	X							S	brass ring	1	
SS-3-4	1/7/92	14:40	" 4'				X							S	↓	1	
SB 4-5	↓	14:35	Soil boring 4 5'										X	S	↓	1	
SB 4-11	↓	14:45	" 11'										X	S	↓	1	

METHODS

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE [signature]	1/7/92	SIGNATURE		SIGNATURE	
PRINTED NAME Blair Redfearn	TIME	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY GeoResearch	1730	COMPANY		COMPANY	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE [signature]		SIGNATURE		SIGNATURE [signature]	1/7/92
PRINTED NAME ALLEN MITAKEF	TIME	PRINTED NAME	TIME	PRINTED NAME [signature]	TIME
COMPANY GEOTEST		COMPANY		COMPANY	12:30 p.m.

SAMPLE CONDITIONS
RECEIVED ON ICE (YES)/NO
CHAIN OF CUSTODY SEAL YES/(NO)

PROJECT COMMENTS

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST
PROJECT NO: 924000-16
DATE 1/7/92 PAGE 3 OF 3

PROJECT NAME: UNOCAL 4234
ADDRESS: 9068 W. Grapevine Rd, Lebec.
SAMPLER'S SIGNATURE: Blair Redfearn
PRINTED NAME: Blair Redfearn
CLIENT PROJECT NO.: 92025
PROJECT MANAGER: Warren Gross

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS					Hold	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
				METHODS													
SB-4-16	1/7/92	15:00	Soil boring #4 16'	X		X								S	BRASS	1	
SB 4-20	1/7/92	15:15	" 20'										X	S	"	1	
SB 4-25	1/7/92	15:30	" 25'										X	S	"	1	
SB 4-32	1/7/92	16:00	" 32'	X		X								S	"	1	

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE: Blair Redfearn	1/7/92	SIGNATURE		SIGNATURE	
PRINTED NAME: Blair Redfearn	TIME	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY: GeoResearch	1730	COMPANY		COMPANY	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE: Allen Motakef	1/7/92	SIGNATURE		SIGNATURE: Janet Roy	1/8/92
PRINTED NAME: ALLEN MOTAKEF	TIME	PRINTED NAME	TIME	PRINTED NAME: Janet Roy	TIME
COMPANY: GEOTEST	17:30	COMPANY		COMPANY: (GeoTest)	12:30 p.m.

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST
PROJECT NO: 92420-16
DATE 1/8/92 PAGE 1 OF 4

PROJECT NAME UNOCAL 4734
ADDRESS 9063 W. Grapevine Lebec CA
SAMPLER'S SIGNATURE Blair Redfearn
PRINTED NAME Blair Redfearn
CLIENT PROJECT NO. 92075
PROJECT MANAGER Warren Gross

METHODS

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	CAM Metals				Hold	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SS-12-1	1/8/92	7:55	North of I-5 Ramp East				X							S	Glass	1	
SS-12-2	↓	8:05	"										X	S	brass	1	
SS-12-4	↓	8:15	"										X	S	↓	1	
SS-11-1	↓	8:30	North of I-5 Ramp West				X							S	Glass	1	
SS-11-2	↓	8:35	"										X	S	brass	1	
SS-11-4	↓	8:45	"										X	S	↓	1	
SS-10-1	↓	8:55	North of I-5 Culvert	X		X	X		X					S	Glass	1	
SS-10-2	↓	9:05	"				X							S	brass	1	
SS-10-4	↓	9:15	"										X	S	↓	1	

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE: Blair Redfearn	1/8/92	SIGNATURE		SIGNATURE	
PRINTED NAME: Blair Redfearn	TIME	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY: GeoResearch	1800	COMPANY		COMPANY	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE: Allen Motakef	1/8/92	SIGNATURE		SIGNATURE: Daniel Rojo	1/13/92
PRINTED NAME: ALLEN MOTAKEF	TIME	PRINTED NAME	TIME	PRINTED NAME: Geotest	TIME
COMPANY: GEOTEST	18:2[illegible]	COMPANY		COMPANY	12:[illegible] p.m.

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST PROJECT NO: 92400-16
DATE 1/8/92 PAGE 2 OF 4

PROJECT NAME UNOCAL 4734
ADDRESS 9068 W. Grapevine Lebec CA
SAMPLER'S SIGNATURE Blair Redfearn
PRINTED NAME Blair Redfearn
CLIENT PROJECT NO. 92075
PROJECT MANAGER WARREN GROSS

METHODS

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS					Hold	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SS 9-1	1/8/92	9:25	Along Fence North of Station				X							S	Glass	1	
SS 9-2		9:35	"										X		Brass	1	
SS 9-4		9:45	"										X			1	
SB5-Surf		9:20	Soil boring #5 Surface										X		Glass	1	
SS 8-1		9:50	Along fence North of Station				X									1	
SS8-2		10:00	"				X								Brass	1	
SS8-4		10:10	"										X			1	
SB5-11		9:50	Soil boring #5-11'										X			1	

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE Blair Redfearn	1/8/92	SIGNATURE		SIGNATURE	
PRINTED NAME Blair Redfearn	TIME 1800	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY Geo Research		COMPANY		COMPANY	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE Allen Motakef	1/8/92	SIGNATURE		SIGNATURE Lionel Rojo	1/13/92
PRINTED NAME ALLEN MOTAKEF	TIME 18:00	PRINTED NAME	TIME	PRINTED NAME Geotest	TIME 12:30 p.m.
COMPANY GEOTEST		COMPANY		COMPANY	

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST PROJECT NO: 92400-16
DATE 1/8/92 PAGE 1 OF 1

PROJECT NAME UNOCAL 4734
ADDRESS 4003 Cerritos Ave, Long Beach CA
SAMPLER'S SIGNATURE Blair Redfearn
PRINTED NAME BLAIR REDFEARN
CLIENT PROJECT NO. 92025
PROJECT MANAGER WARREN GROSS

SAMPLE NO.	DATE	TIME	LOCATION	METHODS: TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SB5-6	1/8/92	9:35	soil boring #5 - 6' bgs west end of GAS TANKS	X		X			S	BRASS	1	

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE: Blair Redfearn	1/8/92	SIGNATURE		SIGNATURE	
PRINTED NAME: BLAIR REDFEARN	TIME: 1800	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY: Geo Research		COMPANY		COMPANY	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB).	DATE
SIGNATURE: Allen Motakef	1/8/92	SIGNATURE		SIGNATURE: Ismael Rojo	1/13/92
PRINTED NAME: ALLEN MOTAKEF	TIME: 1840	PRINTED NAME	TIME	PRINTED NAME: Ismael Rojo	TIME: 12:30 p.m.
COMPANY: GEOTEST		COMPANY		COMPANY: GEOTEST	

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST PROJECT NO: 92400-16
DATE 1/8/92 PAGE 3 OF 4

PROJECT NAME UNOCAL 4734
ADDRESS 9268 W. Gage Ave Lebec CA
SAMPLER'S SIGNATURE Blair Redfearn
PRINTED NAME Blair Redfearn
CLIENT PROJECT NO. 92025
PROJECT MANAGER Warren Gross

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS					Hold	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SB5 16	1/8/92	10:00	Soil boring #5 - 16'	X		X								S	brass	1	
SB5-21		10:10	" 21'										X	S		1	
SB5-26		10:30	" 26'	X		X								S		1	
SB5-36		10:50	" 36'										X	S		1	
SS-7-1		11:15	North of Station	X	X	X	X							S	glass	1	
SS-7-2		10:25	"										X	S	brass	1	
SS-6-1		11:00	"	X	X	X	X							S	glass	1	
SB5-40		11:10	Soil boring #5 - 40'	X		X								S	brass	1	
SS-4-1		11:25	East of Station	X	X	X	X							S	glass	1	

METHODS

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE Blair Redfearn	1/8/92	SIGNATURE		SIGNATURE	
PRINTED NAME Blair Redfearn	TIME	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY GeoResearch	1800	COMPANY		COMPANY	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE Allen Motaker	1/8/92	SIGNATURE		SIGNATURE [illegible]	1/13/92
PRINTED NAME ALLEN MOTAKER	TIME	PRINTED NAME	TIME	PRINTED NAME [illegible]	TIME
COMPANY GEOTEST	18:00	COMPANY		COMPANY	12:30 p.m.

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST
PROJECT NO: 924AA-16
DATE 1/8/92 PAGE 4 OF 4

PROJECT NAME UNOCAL 4734
ADDRESS 9068 W. Grapevine Cebec CA
SAMPLER'S SIGNATURE Blair Redfearn
PRINTED NAME Blair Redfearn
CLIENT PROJECT NO. 92,025
PROJECT MANAGER WARREN GROSS

METHODS

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	8010				Hold	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SS 5-2	1/8/92	12:25	East of Station										X	S	bent	1	
SB 6-6		13:30	Soil boring #6 - 6'										X			1	
SB 6-11		13:40	" 11'										X			1	
SB 6-15		13:50	" 15'	X		X										1	
SB 6-20		14:00	" 20'										X			1	
SB 7-26		15:15	Soil boring #7 - 26'	X	X	X	X		X							1	
SB 7-30		15:40	" 30'										X			1	
SB 7-35		15:50	" 35'	X		X							X			1	
SS 5-1		12:15	East of station				X										

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE Blair Redfearn	1/8/92	SIGNATURE		SIGNATURE	
PRINTED NAME Blair Redfearn	TIME	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY Geo Research	1800	COMPANY		COMPANY	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE [signature]	1/8/92	SIGNATURE		SIGNATURE [signature]	1/13/91
PRINTED NAME ALLEN MOTAKEF	TIME	PRINTED NAME	TIME	PRINTED NAME [signature]	TIME
COMPANY GEOTEST	18:00	COMPANY		COMPANY GEOTEST	12:30 p.m.

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS

GEOTEST
3960 Gilman Street
Long Beach, CA. 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST PROJECT NO: 92400-16
DATE 1/9/92 PAGE 1 OF 1

PROJECT NAME UNICAL 4734
ADDRESS 4065 N. Grapevine Lebec CA
SAMPLER'S SIGNATURE Blair Redfearn
PRINTED NAME Blair Redfearn
CLIENT PROJECT NO. 92025
PROJECT MANAGER WARREN GROSS

SAMPLE NO.	DATE	TIME	LOCATION	METHODS: TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS					MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SS 6-2	1/9/92	10:00	North of Station				X						S	Brass	1	

1 RELINQUISHED BY
SIGNATURE: Blair Redfearn
PRINTED NAME: Blair Redfearn
COMPANY: Geo Research
DATE: 1/9/92
TIME: 1530

2 RELINQUISHED BY
SIGNATURE:
PRINTED NAME:
COMPANY:
DATE:
TIME:

3 RELINQUISHED BY
SIGNATURE:
PRINTED NAME:
COMPANY:
DATE:
TIME:

4 RECEIVED BY
SIGNATURE:
PRINTED NAME:
COMPANY:
DATE:
TIME:

5 RECEIVED BY
SIGNATURE:
PRINTED NAME:
COMPANY:
DATE:
TIME:

6 RECEIVED BY (LAB)
SIGNATURE: Ismael Rojo
PRINTED NAME: Ismael Rojo
COMPANY: TST
DATE: 1/13/92
TIME: 12:30 p.m.

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS

GEOTEST
3960 Gilman Street
Long Beach, CA.90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST
PROJECT NO: 92400-16
DATE 1/10/92 PAGE 1 OF 2

PROJECT NAME UNOCAL 4734
ADDRESS 9065 W. Grapevine Calpet CA
SAMPLER'S SIGNATURE Blair Redford
PRINTED NAME Blair Redford
CLIENT PROJECT NO. 92025
PROJECT MANAGER WARREN GROSS

SAMPLE NO.	DATE	TIME	LOCATION	METHODS: TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	8310				1/1/d	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SS 6-4	1/10/92	8:30	North of Station				X							S	Brass	1	
SB 8-6		10:25	Soil boring #8 - 6'										X	S		1	
SB 8-11		11:55	" 11'	X	X	X	X		X					S		1	
SB 8-15		10:45	" 15'										X	S		1	
SB 8-21		11:05	" 21'										X	S		1	
SB 8-25		11:15	" 25'	X		X	X							S		1	
SB 8-30		11:25	" 30'	X		X	X							S		1	
SB 9-6		12:15	Soil boring #9 - 6'										X	S		1	
SB 9-11		12:25	" 11'										X	S	↓	1	

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE Blair Redford	1/10/92	SIGNATURE		SIGNATURE	
PRINTED NAME Blair Redford	TIME 1600	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY GeoResearch		COMPANY		COMPANY	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE Allen Mitaker	1/10/92	SIGNATURE		SIGNATURE	1/10/92
PRINTED NAME ALLEN MITAKER	TIME 1615	PRINTED NAME	TIME	PRINTED NAME	TIME 12:30 p.m.
COMPANY GTI		COMPANY		COMPANY	

SAMPLE CONDITIONS
RECEIVED ON ICE (YES/NO)
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST
PROJECT NO: 92400-16
DATE 1/13/92 PAGE 2 OF 2

PROJECT NAME UNOCAL 4734
ADDRESS 9268 W. Grape Vine Lebec CA
SAMPLER'S SIGNATURE Blair Redfearn
PRINTED NAME Blair Redfearn
CLIENT PROJECT NO. 92025
PROJECT MANAGER Warren Gross

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	8010				Hold	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SB9-16	1/10/92	12:35	Soil boring #9-16'	X		X								S	Brass	1	
SB9-20	↓	12:45	" 20'										X	S	↓	1	
SB9-31	↓	13:20	" 31'	X	X	X	X		X					S	↓	1	
SB9-36	↓	13:20	" 36'										X	S	↓	1	
SB9-40	↓	13:35	" 40'	X		X								S	↓	1	

METHODS

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE Blair Redfearn	1/10/92	SIGNATURE		SIGNATURE	
PRINTED NAME Blair Redfearn	TIME 1600	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY GeoResearch		COMPANY		COMPANY	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE Allen Mothkey	1/11/92	SIGNATURE		SIGNATURE Lionel Rojo	1/13/92
PRINTED NAME Allen Mothkey	TIME 16:00	PRINTED NAME	TIME	PRINTED NAME Geotest	TIME 12:34 p.m.
COMPANY GEOTEST		COMPANY		COMPANY	

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST
PROJECT NO: 92022-16
DATE 1/8/92 PAGE 1 OF 4

PROJECT NAME LOCAL 4734
ADDRESS 4734 Firestone Blvd. South Gate, CA
SAMPLER'S SIGNATURE Blair Redfearn
PRINTED NAME Blair Redfearn
CLIENT PROJECT NO. 92075
PROJECT MANAGER WARREN GREGS

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	CAM Metals STLC-wet Lead			Acid	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SS-12-1	1/8/92	7:55	North of I-5 RAMP EAST				X						S	GLASS	1	
SS-12-2	"	8:05	"									X	S	"	1	
SS-12-4	"	8:15	"									X	S	"	1	
SS-11-1	"	8:30	North of I-5 RAMP WEST				X						S	GLASS	1	
SS-11-2	"	8:35	"									X	S	"	1	
SS-11-4	"	8:45	"									X	S	"	1	
SS-10-1	"	8:55	North of I-5 Culvert	X		X	X		X	X			S	GLASS	1	
SS-10-2	"	9:05	"				X						S	GLASS	1	
SS-10-4	↓	9:15	"									X	S	"	1	

	RELINQUISHED BY	DATE	RELINQUISHED BY	DATE	RELINQUISHED BY	DATE
1	SIGNATURE: Blair Redfearn	1/8/92	SIGNATURE		SIGNATURE	
	PRINTED NAME: Blair Redfearn	TIME 1800	PRINTED NAME	TIME	PRINTED NAME	TIME
	COMPANY: GeoResearch		COMPANY		COMPANY	
4	RECEIVED BY: Allen Motaket	DATE 1/8/92	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB): Irma Rojo	DATE 1/3/92
	SIGNATURE	TIME 18:20	SIGNATURE	TIME	SIGNATURE: Irma Rojo	TIME 12:30 P.M.
	PRINTED NAME: ALLEN MOTAKEF		PRINTED NAME		PRINTED NAME: GEOTEST	
	COMPANY: GEOTEST		COMPANY		COMPANY	

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS
⊗ additional request via fax 1/28/92

GEOSERVICES
01/28/92 12:27 P.02

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST
PROJECT NO: 92400-16
DATE 1/7/92 PAGE 2 OF 3

PROJECT NAME UNOCAL 4734
ADDRESS 9068 W. Grapevine Lodge CA
SAMPLER'S SIGNATURE Blair Redfearn
PRINTED NAME Blair Redfearn
CLIENT PROJECT NO. 92025
PROJECT MANAGER Warren Gross

METHODS

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	CAM Metals	STLC-wet Lead			Hold	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
SS-1-2	1/7/92	13:15	Soil Sample 1 - 2'										X	S	brass Ring	1	
SS-1-4	1/7/92	13:20	" 4'										X	S	↓	1	
SS-2-1	1/7/92	13:25	Soil Sample 2 - 1'				X							S	G	1	
SS-2-2	1/7/92	13:40	" 2'										X	S	Brass Cont.	1	
SS-3-1	1/7/92	14:00	Soil Sample 3 - 1'	X	X	X	X		X	X				S	G	1	
SS-3-2	1/7/92	14:30	" 2'	X		X	X							S	brass Ring	1	
SS-3-4	1/7/92	14:40	" 4'				X							S	↓	1	
SB 4-5	↓	14:35	Soil boring 4 5'										X	S	↓	1	
SB 4-11	↓	14:45	" 11'										X	S	↓	1	

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE Blair Redfearn	1/7/92	SIGNATURE		SIGNATURE	
PRINTED NAME Blair Redfearn	TIME	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY GeoResearch	1730	COMPANY		COMPANY	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE Allen Motakef		SIGNATURE		SIGNATURE [illegible]	1/7/92
PRINTED NAME ALLEN MOTAKEF	TIME	PRINTED NAME	TIME	PRINTED NAME [illegible]	TIME
COMPANY GEOTEST		COMPANY		COMPANY	12:30 p.m.

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS
⊗ additional request viaxar 1/28/92.

GEOSERVICES 01/28/92 12:28 P.03

GEOTEST
3960 Gilman Street
Long Beach, CA. 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST PROJECT NO: 92400-16
DATE 1/6/92 PAGE 2 OF 2

PROJECT NAME UNOCAL 4734
ADDRESS 4068 West Grapevine Rd
SAMPLER'S SIGNATURE Blair Redfearn
PRINTED NAME Blair Redfearn
CLIENT PROJECT NO. 92025
PROJECT MANAGER WARREN GROSS

SAMPLE NO.	DATE	TIME	LOCATION	METHODS: TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	CAM Metals					MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
HA-2-1	1/6/92	1400	SE Corner of Garage				✓		✓					S		1	Brass Ring
HA-3-1	"	1420	"				✓		✓					"		1	"
HA-2-5	"	1545	"				✓							"		1	"
HA-3-3	"	1600	"				✓							"		1	"

1 RELINQUISHED BY: Blair Redfearn	DATE: 1/6/92	2 RELINQUISHED BY:	DATE:	3 RELINQUISHED BY:	DATE:	SAMPLE CONDITIONS	
SIGNATURE: Blair Redfearn		SIGNATURE:		SIGNATURE:		RECEIVED ON ICE	YES/NO
PRINTED NAME: Geotesters	TIME: 5:40	PRINTED NAME:	TIME:	PRINTED NAME:	TIME:	CHAIN OF CUSTODY SEAL	YES/NO
COMPANY:		COMPANY:		COMPANY:			
4 RECEIVED BY: Scott Braffle	DATE: 1/6/92	5 RECEIVED BY:	DATE:	6 RECEIVED BY (LAB): Lionel Rojo	DATE: 1/7/92	PROJECT COMMENTS	
SIGNATURE: Scott Braffle		SIGNATURE:		SIGNATURE:			
PRINTED NAME: Geotest	TIME: 5:40	PRINTED NAME:	TIME:	PRINTED NAME: Geotest	TIME: 4:00 p.m.		
COMPANY:		COMPANY:		COMPANY:			

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST PROJECT NO: 92400-16
DATE 1/6/92 PAGE 2 OF 2

PROJECT NAME: Unocal 4734
ADDRESS: 9068 West Grapevine Rd
SAMPLER'S SIGNATURE: Blair Redfearn
PRINTED NAME: Blair Redfearn
CLIENT PROJECT NO.: 92075
PROJECT MANAGER: Warren Gross

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	CAM Metals	Stuart - Arsenic				MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
HA-2-1	1/6/92	1400	SE corner of Garage				✓		✓					S		1	Brass Ring
HA-3-1	"	1420	"				✓		✓	✓				"		1	"
HA-2-5	"	1545	"				✓							"		1	"
HA-3-3	"	1600	"				✓							"		1	"

METHODS

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE: Blair Redfearn	1/6/92	SIGNATURE		SIGNATURE	
PRINTED NAME: Blair Redfearn	TIME	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY: Geo Research	5:40	COMPANY		COMPANY	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE: Scott Breffle	1/6/92	SIGNATURE		SIGNATURE: Lionel Rojo	1/9/92
PRINTED NAME: Scott Breffle	TIME	PRINTED NAME	TIME	PRINTED NAME: Geotest	TIME
COMPANY: Geotest	5:40	COMPANY		COMPANY	4:00 p.m.

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS
(X) Additional analyses requested via fax 2/10/92.

APPENDIX F

WORK PLAN FOR TEJON RANCH SOIL CHARACTERIZATION

92075

GeoResearch

FILE COPY

1713 Tulare, Suite 113
Fresno, California 93721
(209) 264-0444
(800) 523-4786

January 9, 1992

Mr. Terry L. Gray
Kern County Environmental Health Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301

Dear Mr. Gray,

In accordance with the authorization of Mr. Bob Boust of Unocal Corporation, we are submitting the attached letter regarding the proposed scope of work for the assessment of shallow soil conditions at Unocal Station No. 4734, 9068 West Grapevine Road, Lebec, California. Please contact the undersigned if you have any questions.

Sincerely,

Warren W. Gross

Warren W. Gross
Senior Geologist

cc: Bob Boust, Unocal

enclosure

wg2\tr&kcehd.ltr

GeoResearch

1713 Tulare, Suite 113
Fresno, California 93721
(209) 264-0444
(800) 523-4786

January 9, 1992

Mr. Robert A. Boust
Unocal Refining and Marketing Division
Unocal Corporation
2000 Crow Canyon Place, Suite 400
San Ramon, California 94583

RE: Proposed Scope of Work, Assessment of Shallow Soil Conditions in Areas of Identified Staining North and East of Unocal Station No. 4734, 9068 West Grapevine Road, Lebec (Grapevine) CA, GeoResearch Project # 92075

Dear Mr. Boust:

In response to your request, pursuant to our meeting last Friday with Tejon Ranch representatives and Kern County Environmental Health Services Department (KCEHD) officials, GeoResearch is pleased to present this proposed scope of work as referenced above. GeoResearch personnel completed a site reconnaissance of Unocal Station 4734 and surrounding Tejon Ranch properties on January 7, 1992. Particular attention was given to the identification of areas of readily visible soil staining north and east of the station and to the determination of the path of drainage from the storm drains present on the station property. Mr. Terry Gray of KCEHD was present on site and our observations and soil assessment methodologies were presented to and discussed with him. The ground was water-saturated and light rainfall was intermittent during our site reconnaissance.

It appears that little or no automotive service or repair work is presently performed by the station. However, the station is a popular place for the public to stop and cool down overheating engines, refill radiators, and even perform repairs and other auto servicing. This activity continues despite the signs posted at all station entrances prohibiting such activities. These activities have contributed significantly to the soil staining observed in the areas investigated.

Four storm/area drains have been identified on the station property, as shown on the enclosed figure. Connections to these drains were investigated by Spectrum E.S.I. of San Fernando, CA, a

utility detection service, in December 1991 and indicated on the surface of the pavement. These markings were examined during our site reconnaissance and considered with respect to the locations of sewer manholes on the sewer line installed by Tejon Ranch (Figure 1). All drain connections appear to trend directly toward sewer manholes (or tie into another drain from which drainage is so directed). Connections of these drains to the sewer have not been verified.

A connection between the pipe identified at the contaminated water release point shown on the enclosed figure with a storm drain at the station could not be made. A hose inserted into the northernmost station drain did not produce an observable change in flow at the pipe located north of the site; however, the soil conditions observed around the pipe discharge are consistent with those that would be expected of waters discharging from this drain. No alternative source for the discharge was identified.

Soil sample locations were selected and marked with wooden stakes at locations which appeared to be representative of the degree of soil staining in the areas of our investigation. These soil sample locations are indicated on the enclosed figure. At each location soil samples were collected at depths of 1/2 to 1 foot, two feet, and four feet, if soil conditions permitted. The shallow sample was collected in a laboratory-supplied glass jar within a shallow excavation. Deeper samples were obtained by hand-augering to the top of the sample interval and driving a brass sample tube into the soil. All samples were preserved for potential laboratory analysis.

Six soil sample locations were selected in the path of drainage from the pipe identified to the north of the station (Area #1 on the figure). The effluent from the discharge pipe was clear at the time of our site reconnaissance. Dark soil staining with associated hydrocarbon odors were noted only in the immediate area of the discharge pipe. Small patches of light to moderate soil staining were evident along the flow path of the drainage above the on-ramp culvert. Light soil staining was apparent in the sandy soil near the discharge from the culvert below the freeway on-ramp.

Two soil sample locations were selected near the driveway along the north edge of the site (Area #2 on the figure). Soils in this area were heavily oil-stained, apparently due to flow off of the asphalt surrounding the station.

Four soil sample locations were selected east of the station (area #3 on the figure). A small patch of moderate soil staining was observed immediately adjacent to the asphalt at a low point where drainage off of the asphalt is apparent. No other soil staining

was observed in this area, although light soil staining could have been obscured by the damp soil conditions and darker staining could have been present beneath puddles of water. Soil sample locations were selected in areas which appeared to be those which would receive runoff from the asphalt surrounding the station, whether by natural storm runoff or clean up operations performed by station personnel.

We propose to analyze the uppermost soil sample from each location for total recoverable petroleum hydrocarbons (TRPH) by US EPA Method 418.1. Those samples which test positive for TRPH would be further analyzed for total petroleum hydrocarbons as gasoline and diesel (TPH-g and TPH-d), by California Department of Health Services-approved methods, and for BTEX by US EPA Method 8020. In addition, all soil samples will be field screened with an organic vapor analyzer (OVA). Selected samples exhibiting elevated OVA readings would also be analyzed for TPH-g, TPH-d, and BTEX. One soil sample from the area of the discharge pipe north of the station, that with the highest TRPH concentration, would also be analyzed for 17 heavy metals as identified in the California Administrative Code. Additional analyses may be performed, based on field observations and the results of the analyses discussed above.

As we have discussed previously, the two abandoned septic systems on the property will be investigated by soil borings adjacent to these facilities. Analytes will include TRPH, TPH-g/BTEX, TPH-d, and halogenated volatile organics (US EPA Method 8010). We do not propose that the areas of additional seepage pits penciled in on the plan provided by Mr. Jeff Warren be investigated unless contamination is identified at the original two facilities which we have planned to investigate.

During our site reconnaissance, Mr. Gray pointed out an area east of the northeast corner of the paved area east of the site which recieves drainage from the site and is somewhat stained. The area is on the Cal-Trans right-of-way and soil staining does not appear to be heavy or extensive.

Please contact me if you have any questions. Upon your approval, I will fax a copy of this letter directly to the KCEHD and Tejon Ranch.

Sincerely,

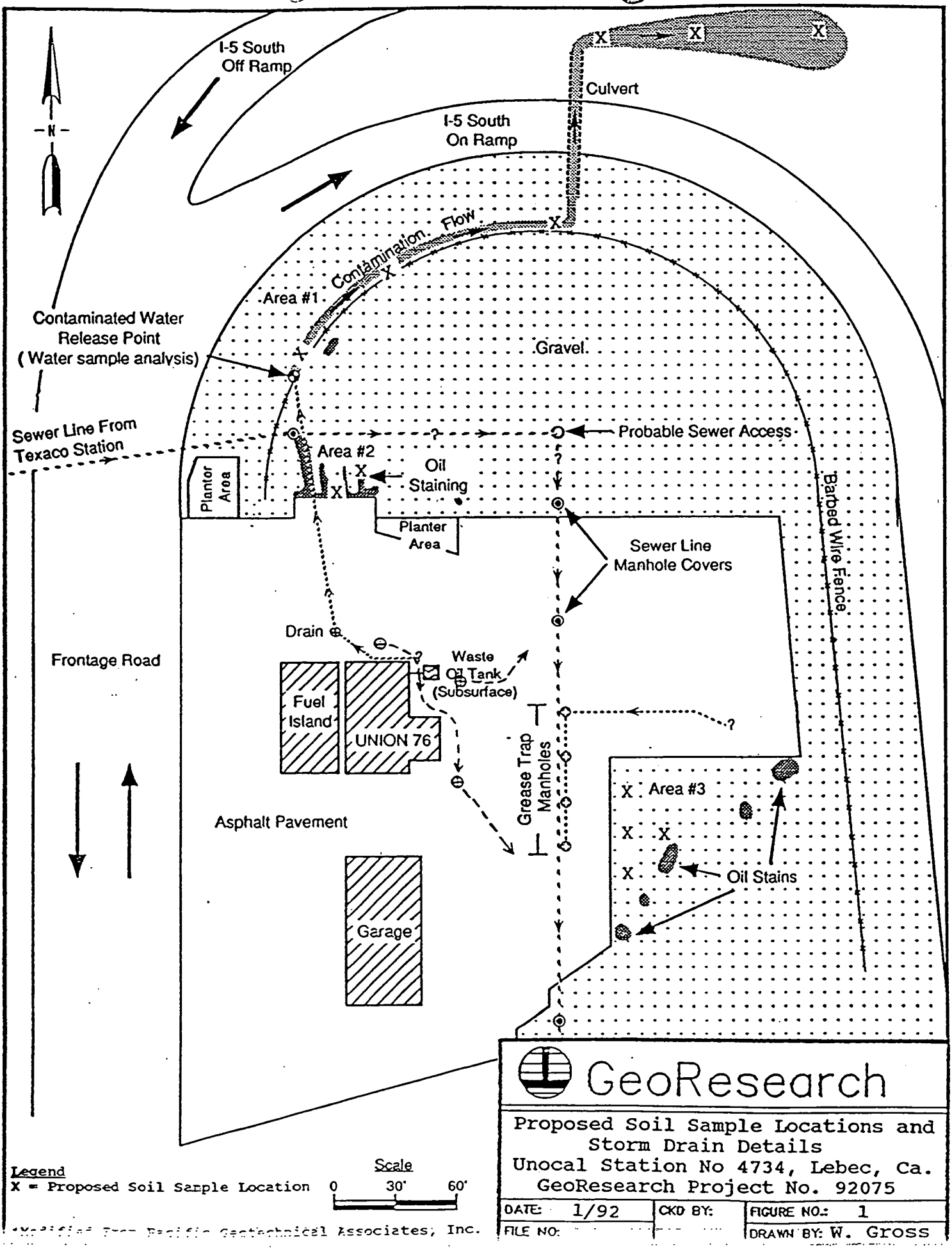
Warren W. Gross

Warren W. Gross, C.E.G. #1528
Senior Geologist

Attachment: Proposed Sample Locations and Storm Drain Details

cc: Terry Gray, Kern County Environmental Health Servies Department
Jeffrey H. Warren, Tejon Ranch

wg2\ulbcspl.ltr



GeoResearch

Proposed Soil Sample Locations and Storm Drain Details
Unocal Station No 4734, Lebec, Ca.
GeoResearch Project No. 92075

DATE: 1/92	CKD BY:	FIGURE NO.: 1
FILE NO:		DRAWN BY: W. Gross

Modified from Pacific Geotechnical Associates, Inc.

APPENDIX G

SOIL CHARACTERIZATION AND DISPOSAL DOCUMENTATION

03/24/1992 16:51 FROM KROEKER TO GEO P.03

NON-HAZARDOUS WASTE DATA FORM/MANIFEST APPROVAL #: 1191-1021 PB

25388

GENERATOR INFORMATION

NAME: Unocal Refining + Marketing DATE: 11/13/91

ADDRESS: I-5 at Grapevine SS# 4734

CITY, STATE, ZIP Lebec, CA.

PHONE: ( ) -

CONTAINERS: NO: VOLUME: WEIGHT:

WASTE DESCRIPTION: Soil w/oil

COMPONENTS OF WASTE:

[X] SOLID [ ] LIQUID [ ] SLUDGE [ ] SLURRY [ ] OTHER

I HEREBY CERTIFY THAT THE WASTE AS DESCRIBED IS NON-HAZARDOUS.

NAME: Richard D. Dellamaggiore Agent for Unocal

TRANSPORT

NAME: Kroeker, Inc. DATE: 11/13/91

ADDRESS: 527 W. Browning Ave.

CITY, STATE, ZIP: Fresno, CA. 93704

PHONE: (209) 439-0604 TRUCK NUMBER: K-105

NAME: Frank G. Gibson Jr. Frank G. Gibson Jr.

TSDF FACILITY

NAME: McKITTRICK WASTE DISPOSAL SITE

ADDRESS: 56533 HIGHWAY 58 WEST

CITY, STATE, ZIP: McKITTRICK, CA. 93251

Ph. 6.0

PHONE: (805) 762 - 7366 FAX: (805) 762 - 7696

[ ] SURFACE IMPOUNDMENT [X] LANDFILL [ ]

RECEIVED BY: Martha Dale DATE: 11/13/91

TONS: 1.07 YARDS: BARRELS:

WEIGHMASTER CERTIFICATE

This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

WEIGHMASTER • McKITTRICK WASTE DISPOSAL SITE — A subsidiary of Sanifill, Inc.
STAR ROUTE BOX 4 • McKittrick, CA 93251
(805) 762-7366
"CLASS II SITE"

25388

WEIGHING LOCATION:

HIGHWAY 58, 1/4 MILE WEST OF HIGHWAY 33
McKITTRICK, CALIFORNIA

DATE	TIME	WEIGHT IN LBS.	
11-13-91	2:41PM	22800	GROSS
11-13-91	2:50PM	20660	TARE
		2140	NET
		1.07	TONS

If Waste Is Weighed It Is 100% Nonharazardous

GROSS BY: Martha Dale
DEPUTY
TARE BY:
DEPUTY (IF DIFFERENT FROM GROSS ABOVE)
WEIGHED FOR / SELLER: Amoral Ref & Mkt
DELIVERED TO / BUYER: M.I.U.D.S
DRIVER: X [illegible]

VEHICLE LIC. NOS.	TRAILER LIC.	TRAILER LIC.	COMMODITY	UNITS	B/L NO.
4750603	—	—	Soil	10 yd	—

CARRIER: Kroeker # K-105

FEE: ☐ PD ☐ CHG $

BILLING INFORMATION

ACCEPTANCE NO. 1191-10
INVOICE: ☒ HAULER ☐ GENERATOR
☐
WASH OUT: ____ @ $ ____ EA
COST PER TON: $
TOTAL COST: $

SAMPLE SCREENING INFORM

COLOR BROWN SULFIDES —
CYANIDES —
pH 6.0 LAYERS 1
FREE LIQUID
FLASH PT.
OTHER

9067 GRAPEVINE ROAD EAST

FORMER SHELL STATION

Case Closure Summary

Leaking Underground Fuel Storage Tank Program

I. Agency Information

Agency Name: Kern County Environmental Health Services Dept	**Address:** 2700 M Street, Suite 300
City/State/Zip: Bakersfield, CA, 93301	**Phone:** 661-862-8763
Responsible Staff Person: Laurel Funk	**Title:** Hazardous Materials Specialist

II. Case Information

Site Facility Name: Grapevine Shell		
Site Facility Address: 9067 Grapevine Rd East, Lebec, CA 93243		
RB LUSTIS Case No.:	**LOC Case No.:** 600012	**RO No.:**
URF filing date: 09/15/1998		
Responsible Parties	**Address**	**Phone No.**
Shell Oil Products US	20945 S Wilmington Ave Carson, CA 90810-1039	714-731-1050

Tank No.	Size (Gallons)	Contents	Removed/Closed in Place	Date Closed
1	10,000	gasoline	removed	09/09/1998
2	10,000	gasoline	removed	09/09/1998
3	8,000	gasoline	removed	09/09/1998
4	500	Waste Oil	removed	09/09/1998

III. Release and Site Characterization Information

Cause of release: Unknown	**Site characterization completed:** Yes
No. of Monitoring Wells Installed: 0	**Appropriate Screen Interval?** N/A
Highest Depth to Water bgs: 600	**Lowest Depth to Water bgs:** 600
Current Use of Ground Water: Agricultural	**Drinking Wells Affected:** No
GW Flow Direction: N/A	**Groundwater Sub-Basin:**
Surface Water Affected: No	**Nearest Surface Water Body Name:**
No. of Vadose Zone Wells Installed: 0	**Appropriate Screen Interval?** N/A

Offsite beneficial use impacts: None	**Report(s) on file:** Yes	**File location:** Kern County Env Health	**Summary Report Attached?** No

Treatment and Disposal of Affected Material

Material	Amount		Action	Destination	Date
Tank	4	other	Disposal	Golden State Metals	09/09/1998
Soil	2980	pounds	Disposal	American Remedial Technologies	11/17/2008

III. Release and Site Characterization Information (continued)

Maximum Documented Contaminant Concentrations – Before and After Remedial Action					
Soil (mg/Kg)			Groundwater µg/L		
Contaminant	**Before**	**After**	**Contaminant**	**Before**	**After**
TPH (gasoline)	4,900				
Benzene	ND				
Toluene	ND				
Ethylbenzene	5.3				
Total Xylenes	137				
MtBE	ND				

IV. Closure

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes (if no provide explanation in Summary Report)	
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes (if no provide explanation in Summary Report)	
Does corrective action protect public health for current land use? Yes (if no provide explanation in Summary Report)	
List site management requirements: none	
Should corrective action be reviewed if land use changes? No (if yes provide explanation in Summary Report)	
Number of Monitoring/Vadose Wells Destroyed: 0 All wells will be destroyed upon RWQCB approval of closure	**Number of Monitoring/Vadose Zone Wells Retained** (describe why in Summary Report)**:** 0

V. Local Agency Representative Data

Name: Laurel Funk	**Title:** Hazardous Materials Specialist
Signature: Laurel Funk	**Date:** 09/23/2009

VI. RWQCB Notification

Date Submitted to RWQCB:	**RWQCB Approval:** Pending	
RWQCB Representative: John Whiting	**Title:** Engineering Geologist	**Date Approved:**

VII. Comments

Upon a review of the data, this site should qualify as a low risk site and be a candidate for closure. In 1998, two 10,000 gallon, one 8,000 gallon and one 500 gallon tanks were removed from the site. Initial soil samples 6' beneath the tanks indicated TPG contamination of 1,100 ppm and MTBE of 4.7 ppm. Soil borings were advanced to a depth of 80 feet. Contamination attenuated to TPH and MTBE of non-detect. The depth to first groundwater is 600 feet bgs.

8977 GRAPEVINE ROAD EAST

FORMER CHEVRON STATION #9-8616

PERMIT/W.O. # 600015

ENV. HEALTH - HMMP INVESTIGATION RECORD

DATE	HOURS	CODE	ACTIVITY
7/12/94			
7/21/94 9:30-12:30	3.0	C210	Went to site to observe excavation; under than they thought; Bechtel personnel appear to be doing a good job monitoring & segregating soil.
7/21/94 10-12:45	2.	C210	back to site; tank & D/C OK; dispenser not completely done; borings were confirmed.
7/27		C212	
8/1/94		C210	Went to site; work completed; looked good
8/15/94	0.3	C212	Talked to Joel; what to include in report. agreed to: one cross section only; slanted excavation depict in plan view only because there's only side walls, etc.
9/1/94			Talked to Joel; he said based on their research, the address of the site is 8977 Grapevine Rd.
10/3/94	1.2	C215	Reviewed closure report: appeared complete; started preparing case closure summary report
10/4/94	1.0	C207	Completed case closure summary report.
11/4		C207	Has not received "word" from RWQCB; had closure letter prepared; looked for Tejon address
11/10/94		C207	Copy closure letter; returned Joel's call.

PERMIT/W.O. # 600015

ENV. HEALTH - HMMP INVESTIGATION RECORD

DATE	HOURS	CODE	ACTIVITY
3/15/94	0.2		Talked to Scott Small w/ Bechtel, since boring results showed low to ND levels Chevron wants to do excavation to address the contamination found during tank removal. I suggested leave in place - property owners want no discrepancies between boring & tank removal results. Bechtel requested that this be done prior to site assessment report submittal & will be incorporated as one final report. OK but asked for a letter with a table of the soil boring lab data.
5/13/94	0.3	C212	Quick review; called Scott w/ Bechtel - left message to call me. Received message that they have not excavated - still developing plans abandon vent wells installed during drilling. He will send letter about this.
6/28/94	0.4	C215	Quick review; talked to Scott; plans have not changed - he will submit the plan by July 15, OK Called Jeff Warren w/ Tejon Ranch as informed by Steve McCulley - they want to know status because of their plan to do landscaping.
7/11/94	0.2	C212	Talked to Scott w/ Bechtel; RAP has been fed & released; plan to abandon wells on Monday 18th & start excavating on Wednesday. Returned call of Stewart Patterson w/ Cuesta Eng'g; updated him w/ planned activities.
7/12/94		C215	Received / reviewed remedial action plan Called Scott to inform him of APCD's requirements if they are not aware of them. Left message.

PERMIT/W.O. Number: 600015

ENVIRONMENTAL HEALTH SERVICES DEPT.

INVESTIGATION RECORD

DATE	HOURS	ACTIVITY
7/2/93	1.0	Reviewed lab results; had HM121 letter typed. (interesting sample designations).
7/6/93	0.2	HM 121 letter; filing
10/14/93	1.0	Reviewed site assessment workplan; drafted letter of approval.
10/15/93	0.4	Completed "letter writing process".
12/8/93	0.2	Called Bechtel to check on the status; they had it scheduled for January; will call me in January for definite date.
1/18/94	1.8 C210	Called station to find out if they are drilling; phone is disconnected. Went to site; place abandoned; address seemed wrong - nobody's there. (earthquake!)
2/18/94	0.2	Has not heard from them; called Sheila w/ Bechtel - left message to call me. Quick review.
2/24/94	0.2 C215	Scott Small returned my call to Sheila last Tuesday. Called him back - left message in his voice mail.
2/28		phone tag w/ Scott Small
3/2	0.2 C212	Finally talked to Scott 8 borings 2/1/94; Sandy soil, some odor, lab results not very high - they're currently working on the report.

KERN COUNTY ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

SERVICE AND COMPLAINT FORM

Date _____ Time: _____

☐ Service Request ☐ Complaint CT No. _____ Assigned to: Jane 6-28-93 DEG

Location _____ City _____

Directions _____

Reporting Person _____ Address _____ Phone _____

Property Owner _____ Address _____ Phone _____

Reason for Request: _____

Information Taken by

RESULTS OF INVESTIGATION Please Send to COLT
Inspected in C.O.L.T.
06/29/93 LVS Thanks

Complainant notified of results _____ Investigated by Connie Georgi Date 6/22/93

KERN COUNTY ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

INVESTIGATION RECORD

OWNER Chevron USA

DBA _____ ADDRESS _____

ADDRESS OF VIOLATION: _____

ASSESSORS' PARCEL # _____ CT 60.03 015

SPECIALIST/TECHNICIAN: _____

CHRONOLOGICAL RECORD OF INVESTIGATION

DATE	TIME (HR)	NARRATIVE
3-17-93		Received Sampling protocals. Still need laboratory (state approved) before Permit can be issued.
3-22-93		Called Tommy, left a message to call me & list Lab on application
3-24-93		Recieved Lab info, sent Permit to Donna TO issue
3-25-93		Set removal for 4/1/93 9:00
4/1/93		See map in file
4/6/93		Recieved Tank Tracking form.
4/16/93		Recieved HAZMAT manifest & Tank TRACKING form.
6/9/93		Called Tommy Tulledge & requested Lab Results. He said he would track them down and send them to me. Karl Lang called to say he is mailing the results today
6-17-93		Called Tommy Tulledge, requested samples again.
6-22-93		Received Lab Results, some contamination. The File is being sent to COLT

KERN COUNTY ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

INVESTIGATION RECORD

OWNER Chevron USA

DBA Chevron Station #98616 ADDRESS

ADDRESS OF VIOLATION: I-5 & Hwy 99, Lebec, CA.

ASSESSORS' PARCEL # CT 6000.15

SPECIALIST/TECHNICIAN: Carrie Georgi

CHRONOLOGICAL RECORD OF INVESTIGATION

DATE	TIME (HR)	NARRATIVE
7-1-92		~~Last~~ Recieved permit app., approved Sent to Contractor, Proposed Test date is 7/8/92 7p.m.
8-21-92		Spoke with Ben ALicea NDE, he said he would track it down & send a copy.
9-~~3~~-92		Called RIDE, Frank Miller said he would check into this & get back to me.
9-8-92		Received Test Results for 3 tanks, all passed. The Waste Oil tank has not been tested yet. Frank Miller says Brad Ballreich will arrange for the W.O. tank to be tested Soon. I reminded Frank the permit will expire 10-1-92. Called Brad (800) 800-4633, he said he will check on this & get the test completed if it hasn't already been done.
3-4-93		Recieved file, called Tommy Tolledge, left a message for him to call me.
3-5-93		Spoke with T. Tulledge, he said he would ~~give~~ send me the information by FAX.
3-9-93		Spoke with Tommy Tulledge he sent one, ~~FAX~~ he will send another with additional information

6-8-87 : SOIL SAMPLES VERBALLY REPORTED OVER PHONE BY MIKE IRWIN TO JOHN HARRIS INDICATE TOX LEVEL WAS HIGH @ 3' CHEVRON AGREED TO PULL SOIL OUT TO 6' & TRASPORT IT TO CASMALIA.

7-1-87 : Talked to Jim Sampson 415-838-5299.
Requested soil samples & manifest

2/7/91 Filled out Tank Sheet on Waste Oil 1000 wasn't filled out at time it was ~~filled~~ installed in 1987.

6-1287: CHEVRON IS JUST REPLACING ONLY THE WASTE OIL TANK, THE EXISTING PIPING WAS LEFT IN PLACE. THE NEW TANK IS DOUBLE WALL OWENS-CORNING.

CHEVRON MAY PUT IN A O-C WET SYSTEM FOR MONITORING IN FUTURE BUT PRESENTLY MANUAL ANNULAR SPACE WILL BE REQUIRED.

FINAL INSPECTION INDICATED SAND COVERING ANNULAR SPACE. CALLED CAL PET. EQUIPMENT & THEY WILL CLEAR SAND AWAY. OTHERWISE FACILITY IS COMPLETE.

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY ☐ YES ☒ NO

HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED ? ☐ YES ☒ NO

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.
SIGNED Lydia V. von Sydow DATE 11/14/94

REPORT DATE 1/1/94 CASE # 600015

REPORTED BY
NAME OF INDIVIDUAL FILING REPORT: Lydia V. von Sydow
PHONE: (805) 861-3636
SIGNATURE: Lydia V. von Sydow
REPRESENTING ☐ OWNER/OPERATOR ☐ REGIONAL BOARD ☒ LOCAL AGENCY ☐ OTHER
COMPANY OR AGENCY NAME: Kern Co. Env. Health Dept.
ADDRESS: 2700 "M" St., Ste. 300, Bakersfield, CA 93301 (STREET, CITY, STATE, ZIP)

RESPONSIBLE PARTY
NAME: Chevron USA ☐ UNKNOWN
CONTACT PERSON:
PHONE: ( )
ADDRESS: P.O. Box 2833, 1300 Beach Blvd, La Habra, CA 90632 (STREET, CITY, STATE, ZIP)

SITE LOCATION
FACILITY NAME (IF APPLICABLE): Chevron Station #98616
OPERATOR: Chevron USA
PHONE: (310) 694-7492
ADDRESS: Hwy 99 and I-5 (STREET) Lebec (CITY) Kern (COUNTY) 93243 (ZIP)
CROSS STREET:

IMPLEMENTING AGENCIES
LOCAL AGENCY AGENCY NAME: Kern Co. Env. Health Dept.
CONTACT PERSON: Dolores Gough
PHONE: (805) 861-3636
REGIONAL BOARD
PHONE: ( )

SUBSTANCES INVOLVED
(1) NAME: QUANTITY LOST (GALLONS): ☐ UNKNOWN
(2) ☐ UNKNOWN

DISCOVERY/ABATEMENT
DATE DISCOVERED: 04/01/93
HOW DISCOVERED: ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☐ TANK TEST ☐ TANK REMOVAL ☒ OTHER Tank removal
DATE DISCHARGE BEGAN: ☒ UNKNOWN
HAS DISCHARGE BEEN STOPPED ? ☒ YES ☐ NO IF YES, DATE 04/01/93
METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)
☐ REMOVE CONTENTS ☒ CLOSE TANK & REMOVE ☐ REPAIR PIPING ☐ REPAIR TANK ☐ CLOSE TANK & FILL IN PLACE ☐ CHANGE PROCEDURE ☐ REPLACE TANK ☐ OTHER

SOURCE/CAUSE
SOURCE OF DISCHARGE: ☐ TANK LEAK ☒ UNKNOWN ☐ PIPING LEAK ☐ OTHER
CAUSE(S): ☐ OVERFILL ☐ RUPTURE/FAILURE ☐ SPILL ☐ CORROSION ☒ UNKNOWN ☐ OTHER

CASE TYPE
CHECK ONE ONLY
☐ UNDETERMINED ☒ SOIL ONLY ☐ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS
CHECK ONE ONLY
☐ NO ACTION TAKEN ☐ PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED ☐ POLLUTION CHARACTERIZATION
☐ LEAK BEING CONFIRMED ☐ PRELIMINARY SITE ASSESSMENT UNDERWAY ☐ POST CLEANUP MONITORING IN PROGRESS
☐ REMEDIATION PLAN ☒ CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) ☐ CLEANUP UNDERWAY

REMEDIAL ACTION
CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)
☐ CAP SITE (CD) ☒ EXCAVATE & DISPOSE (ED) ☐ REMOVE FREE PRODUCT (FP) ☐ ENHANCED BIO DEGRADATION (IT)
☐ CONTAINMENT BARRIER (CB) ☐ EXCAVATE & TREAT (ET) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ REPLACE SUPPLY (RS)
☐ VACUUM EXTRACT (VE) ☐ NO ACTION REQUIRED (NA) ☐ TREATMENT AT HOOKUP (HU) ☐ VENT SOIL (VS)
☐ OTHER (OT)

COMMENTS
Clean up complete, case closed. 11/04/94.

HSC 05 (8/90)

INSTRUCTIONS

EMERGENCY
Indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES) at 2800 Meadowview Road, Sacramento, CA 95832. Copies of the OES report form may be obtained at your local underground storage tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.

LOCAL AGENCY ONLY
To avoid duplicate notification pursuant to Health and Safety code Section 25180.5, a government employee should sign and date the form in this block. A signature here does not mean that the leak has been determined to pose a significant threat to human health or safety, only that notification procedures have been followed if required.

REPORTED BY
Enter your name, telephone number, and address. Indicate which party you represent and provide company or agency name.

RESPONSIBLE PARTY
Enter name, telephone number, contact person, and address of the party responsible for the leak. The responsible party would normally be the tank owner.

SITE LOCATION
Enter information regarding the tank facility. At a minimum, you must provide the facility name and full address.

IMPLEMENTING AGENCIES
Enter names of the local agency and Regional Water Quality Control Board involved.

SUBSTANCES INVOLVED
Enter the name and quantity lost of the hazardous substance involved. Room is provided for information on two substances if appropriate. If more than two substances leaked, list the two of most concern for cleanup.

DISCOVERY/ABATEMENT
Provide information regarding the discovery and abatement of the leak.

SOURCE/CAUSE
Indicate source(s) of leak. Check box(es) indicating cause of leak.

CASE TYPE
Indicate the case type category for this leak. Check one box only. Case type is based on the most sensitive resource affected. For example, if both soil and ground water have been affected, case type will be "Ground Water". Indicate "Drinking Water" only if one or more municipal or domestic water wells have actually been affected. A "Ground Water" designation does not imply that the affected water cannot be, or is not, used for drinking water, but only that water wells have not yet been affected. It is understood that case type may change upon further investigation.

CURRENT STATUS
Indicate the category which best describes the current status of the case. Check one box only. The response should be relative to the case type. For example, if case type is "Ground Water", then "Current Status" should refer to the status of the ground water investigation or cleanup, as opposed to that of soil. Descriptions of options follow:

No Action Taken - No action has been taken by responsible party beyond initial report of leak.
Leak Being Confirmed - Leak suspected at site, but has not been confirmed.
Preliminary Site Assessment Workplan Submitted - workplan/proposal requested of/submitted by responsible party to determine whether ground water has been, or will be, impacted as a result of the release.
Preliminary Site Assessment Underway - implementation of workplan.
Pollution Characterization - responsible party is in the process of fully defining the extent of contamination in soil and ground water and assessing impacts on surface and/or ground water.
Remediation Plan - remediation plan submitted evaluating long term remediation options. Proposal and implementation schedule for appropriate remediation options also submitted.
Cleanup Underway - implementation of remediation plan.
Post Cleanup Monitoring in Progress - periodic ground water or other monitoring at site, as necessary, to verify and/or evaluate effectiveness of remedial activities.
Case Closed - regional board and local agency in concurrence that no further work is necessary at the site.

IMPORTANT: THE INFORMATION PROVIDED ON THIS FORM IS INTENDED FOR GENERAL STATISTICAL PURPOSES ONLY AND IS NOT TO BE CONSTRUED AS REPRESENTING THE OFFICIAL POSITION OF ANY GOVERNMENTAL AGENCY

REMEDIAL ACTION
Indicate which action have been used to cleanup or remediate the leak. Descriptions of options follow:

Cap Site - install horizontal impermeable layer to reduce rainfall infiltration.
Containment Barrier - install vertical dike to block horizontal movement of contaminant.
Excavate and Dispose - remove contaminated soil and dispose in approved site.
Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming).
Remove Free Product - remove floating product from water table.
Pump and Treat Groundwater - generally employed to remove dissolved contaminants.
Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants.
Replace Supply - provide alternative water supply to affected parties.
Treatment at Hookup - install water treatment devices at each dwelling or other place of use.
Vacuum Extract - use pumps or blowers to draw air through soil.
Vent Soil - bore holes in soil to allow volatilization of contaminants.
No Action Required - incident is minor, requiring no remedial action.

COMMENTS - Use this space to elaborate on any aspects of the incident.

SIGNATURE - Sign the form in the space provided.

DISTRIBUTION
If the form is completed by the tank owner or his agent, retain the last copy and forward the remaining copies intact to your local tank permitting agency for distribution.
1. Original - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Clean Water Programs, Underground Storage Tank Program, P.O. Box 944212, Sacramento, CA 94244-2120
3. Regional Water Quality Control Board
4. Local Health Officer and County Board of Supervisors or their designee to receive Proposition 65 notifications.
5. Owner/responsible party.

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

STEVE McCALLEY, R.E.H.S.
DIRECTOR

2700 "M" Street, Suite 300
Bakersfield, CA 93301
(805) 861-3636
(805) 861-3429 FAX

UNDERGROUND STORAGE TANK CLOSURE

November 4, 1994

Chevron U.S.A. Inc.
1300 So. Beach Boulevard
La Habra, California 90632-2833

ATTN: Mark Horne

SUBJECT: CASE NO: 600015
Location: 8977 Grapevine Road (I-5/Grapevine Exit), Lebec, CA

Dear Mr. Horne:

This letter confirms the completion of site investigation and remedial action for the underground storage tank(s) formerly located at the above-described location.

Based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, California Code of Regulations, Division 3, Chapter 16, Section 2721 (e).

Please telephone Dolores Gough at (805) 861-3636, if you have any questions regarding this matter.

Sincerely,

Steve McCalley, Director
Environmental Health Services Department

SMc:ch

cc: Bechtel Environmental, Inc.
Tejon Ranch

gough\600015.100

Case Closure Summary
Leaking Underground Fuel Storage Tank Program

I. Agency Information

Date:

Agency name: KERN COUNTY ENV. HEALTH	Address: 2700 "M" ST., SUITE 300
City/State/ZIP: BAKERSFIELD, CA 93301	Phone: (805) 861-3636
Responsible staff person: DOLORES GOUGH	Title: HAZ. MATERIALS SPEC.

II. Case Information

Site facility name: FORMER CHEVRON SERVICE STN. 9-8616		
Site facility address: 8977 GRAPEVINE ROAD EAST (I-5/GRAPEVINE EXIT), LEBEC, CA		
RB LUSTIS Case No:	Local Case No: 600015	LOP Case No:
URF filing date:	SWEEPS No:	

Responsible Parties	Addresses	Phone Numbers
CHEVRON USA	1300 SO. BEACH BLVD, LA HABRA, CA	(310) 694-7352

Tank No	Size in Gal.	Contents	Closed in-Place/Removed?	Date
1	12,000	GAS, REG.	REMOVED	4/1/93
2	10,000	GAS, UL	"	"
3	5,000 1,000	GAS, PREM WASTE OIL	"	"

III. Release and Site Characterization Information

Cause and type of release: BENEATH TANKS & DISPENSER			
Site characterization complete? (Yes) No	Date approved by oversight agency: 3/15/94		
Monitoring Wells Installed? Yes (No)	Number:	Proper screened interval? Yes No	
Highest GW depth below ground surface: 400'	Lowest depth:	Flow direction:	
Most Sensitive Current Use: COMMERCIAL (REST AREAS)			
Are drinking water wells affected? Yes (No)	Aquifer name:		
Is surface water affected? Yes (No)	Nearest/affected SW name:		
Off-site beneficial use impacts (addresses/locations): N/A			
Report(s) on file? (Yes) No	Where is report(s) filed? KERN COUNTY ENV. HEALTH FILE		

Treatment and Disposal of Affected Material

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	4 TANKS	STANDARD INDUSTRIES, VENTURA, CA	4/1/93
Piping			
Free Product			
Soil	750 yd^3	TRANSPORTED TO LAIDLAW, BUTTONWILLOW, CA	7/94
Groundwater			
Barrels			

Case Closure Summary

[redacted]king Underground Fuel Storage Ta[redacted] Program

III. Release and Site Characterization Information (Continued)

Maximum Documented Contaminant Concentrations -- Before and After Cleanup

Contaminant	Soil (ppm) Before	Soil (ppm) After	Water (ppm) Before	Water (ppm) After	Contaminant	Soil (ppm) Before	Soil (ppm) After	Water (ppm) Before	Water (ppm) After
TPH (Gas)	74,000	9.4			Xylene	1000	0.09		
TPH (Diesel)	—	—			Ethylbenzene	130	0.006		
Benzene	34	<0.005			Oil & Grease	60	—		
Toluene	320	0.005			Heavy metals (Pb)	2.3	—		
Other	—	—			Other (TDX)	<10	—		

Comments (Depth of Remediation, etc.):

EXCAVATED TANK AREA TO 55' BELOW GRADE.

IV. Closure

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? (Yes) No

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? (Yes) No

Does corrective action protect public health for current land use? (Yes) No

Site management requirements: NONE

Should corrective action be reviewed if land use changes? Yes (No)

Monitoring wells Decommisioned: Yes No | Number Decommisioned: | Number Retained:

List enforcement actions taken: None

List enforcement actions rescinded: None

V. Local Agency Representative Data

Name: DOLORES GOUGH | Title: HAZARDOUS MAT. SPECIALIST

Signature: Dolores Gough | Date: 10/3/94

VI. RWQCB Notification

Date Submitted to RB: 10/4/94 | RB Response:

RWQCB Staff Name: | Title: | Date:

VII. Additional Comments, Data, etc.

This document and the related CASE CLOSURE LETTER, shall be retained by the lead agency as part of the official site file.

8/24/93

JUL 11 1994

Chevron–Bechtel ALLIANCE
12440 East Imperial Highway
Norwalk, CA 90650-3134
FAX 310 807-3456

July 8, 1994

Ms. Dolores Gough
Kern County Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301

Subject: **Submittal of Letter Detailing Interim Remedial Action Plan for Former Chevron Service Station #9-8616, 9877 Grapevine Road, Lebec, California**

Dear Ms. Gough:

On behalf of Chevron U.S.A. Products Co. (Chevron), Bechtel Environmental, Inc. (BEI) has prepared this letter to provide an interim remedial action plan for former Chevron Service Station No. 9-8616, located in Lebec, California (Figure 1). The remedial actions described in this plan are intended to address the results of the tank removal operations and subsequent site assessment activities, which indicate the presence of petroleum hydrocarbons in the vadose zone beneath the site.

Site Background/Previous Work

The site was formerly a Chevron retail service station facility which dispensed motor fuel since 1968 and was abandoned by Chevron in December of 1992, according to the Chevron Marketing Compliance Program Files. Four underground storage tanks (USTs) and associated piping were removed from the site on April 1, 1993 by B&T Service Station Contractors. A complete description of the UST removal activities can be found in the Tank Removal Report/Site Assessment Workplan dated October 6, 1993, prepared by BEI and subsequently submitted to the Kern County Environmental Health Services Department (EHSD). BEI staff observed UST and piping removal activities and collected soil samples at the bottom of the excavations. The sampling locations are shown on Figure 2.

Results of laboratory analyses for soil samples collected during tank removal activities indicate the presence of total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, total xylenes (BTEX), total recoverable petroleum hydrocarbons (TRPH), and total lead in soil beneath the site. Laboratory results are summarized in Table 1. The highest concentrations of TPHg and BTEX were found beneath the former 10,000-gallon UST and beneath the two northeastern-most pump islands. TRPH was detected beneath the former northern hoist inside the former service station building. Based on this

L 5 3.6 20 1.9 4.1 94

information, BEI submitted a workplan as part of the October 6, 1993 report to assess the vertical and lateral extent of petroleum hydrocarbons within soil in the vicinity of the former fuel USTs and their associated former dispenser islands.

Based on the EHSD approval of the October 6, 1993 workplan, BEI performed site assessment field activities from February 2 through 8, 1994. Nine exploratory soil borings (B1-B9) were drilled to depths ranging from 26 to 91 feet below ground surface (bgs), and 73 soil samples were collected. Locations of the borings and wells are shown on Figure 3. Exploratory soil boring B6 was converted to vadose-zone monitoring well VW6, and was completed to a depth of 40 feet (B6/VW6). Soil borings B7 and B8 were converted to vadose-zone probes VP7 and VP8, respectively, and completed to respective depths of 91 feet bgs and 51 feet bgs .

Thirty-one soil samples collected during the site assessment field investigation were laboratory-analyzed. Analytical results for samples from seven of the nine borings (B3 through B9) indicated non-detectable concentrations of TPHg and BTEX. Boring B1 contained TPHg and total xylenes below the clean up goals (proposed below), and boring B2 indicated TPHg just above the laboratory detection limit. Laboratory results are summarized in Table 2.

Ground water was not encountered in any of the nine exploratory soil borings which were drilled to a maximum depth of 91 feet bgs. Ground water beneath the site is estimated to be at a depth of 400 to 600 feet bgs (telephone conversation on July 28, 1993, between Mr. F. Scott Small of BEI and Ms. Lydia Von Sydow of EHSD).

Remedial Action

The planned remedial activities at this site include: 1) destruction of vadose-zone monitoring well and probes, 2) excavation and off-site disposal of petroleum-hydrocarbon impacted soil, and 3) backfill and compaction of excavated areas. Permits required to perform tasks relating to the remediation of the site will be obtained prior to undertaking the remedial actions.

The first phase of remedial action will be to destroy the vadose-zone monitoring well and probes previously installed at the site. The driller performing the well destruction will possess a C-57 license as required by California State law. The destruction of the well and probes is planned to be performed in the following order:

- Remove the wellhead.
- Drill out the bentonite seal.
- Pull out the well casing.
- Drill out the sand pack with 8- and 10-inch hollow-stem augers for the probes

and well, respectively.

- Backfill the open borehole with hydrated bentonite chips (or similar approved material) to approximately 5 feet bgs.
- Backfill the upper five feet of the borehole with non-impacted soil.

Subsequent to well destruction activities, petroleum hydrocarbon-impacted soil in the vicinity of the former northeastern-most dispenser islands and former fuel USTs will be excavated and disposed of off-site. The estimated lateral extent of excavation for each area is shown on Figure 3. Clean-up goals for excavation will be 100 mg/kg for TPHg and 0.3, 0.3, 1, and 1 mg/kg for BTEX, respectively, pursuant to Table 2-1 of the LUFT Manual (Attachment A). It is estimated that approximately 700 cubic yards of soil will be excavated in order to accomplish this objective. This may vary, however, based on field observations and results of analytical testing.

During the excavation process, soil samples will be collected and submitted to a state-certified, on-site mobile laboratory to evaluate whether clean-up goals have been achieved. Soil with petroleum-hydrocarbon impact above the stated clean-up goals will be removed from the site.

In the excavation beneath the former pump islands, soil samples will be collected at the bottom of the excavation beneath each pump island. Samples will also be collected in each sidewall at a ratio of one for every 15 feet of sidewall length. For excavations extending to less than 10 feet bgs, the sidewall sample will be collected at approximately 2 to 5 feet above excavation bottom. For excavations extending to greater than 10 feet bgs, the sidewall sample will be collected at approximately 5 to 10 feet bgs above excavation bottom.

In the excavation near the former UST pit, the soil previously used to backfill the former UST excavation will be re-excavated and segregated into impacted and non-impacted stockpiles based on the above clean-up goals. Samples will be collected in each sidewall at a ratio of one for every 15 feet of sidewall length. Sidewall samples will be collected at approximately 5 to 10 feet bgs above excavation bottom. The excavation will be extended deeper in the vicinity of sample TST17 to achieve clean-up goals. For this deeper excavation, a sample will be collected at bottom and from each sidewall.

Both excavated areas will be backfilled and compacted to Chevron specifications; the soil used for backfill will comply with clean-up goals stated above.

TRPH was detected in soil beneath the northern hoist at a concentration of 60 mg/kg (sample H2-10, collected at 10 feet bgs). No clean-up level exists in the LUFT Manual Table 2-1 (Attachment A) for TRPH. However, the clean-up level for diesel at this site pursuant to this table is 1000 mg/kg; since the carbon range of diesel is included within the TRPH range, it is proposed that a clean-up level of 1000 mg/kg also be used for TRPH.

Current TRPH levels detected in soil in this vicinity are far below this clean-up level; therefore, no action is planned for this area.

After completion of the planned remedial activities, a site assessment/remedial excavation report will be submitted to the EHSD for review, and if appropriate, for site closure.
If you have any questions regarding this project, please contact the BEI project manager, Mr. Scott Small at (310) 807-2873 or the Chevron environmental representative, Mr. Mark Horne at (310) 694-7352.

Sincerely,

BECHTEL ENVIRONMENTAL, INC.

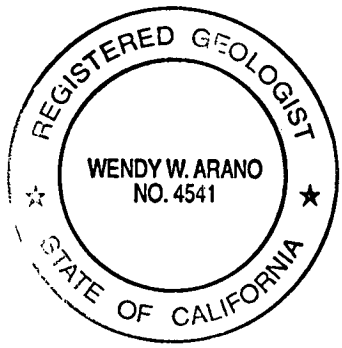
Wendy W. Arano
Registered Geologist No. 4541

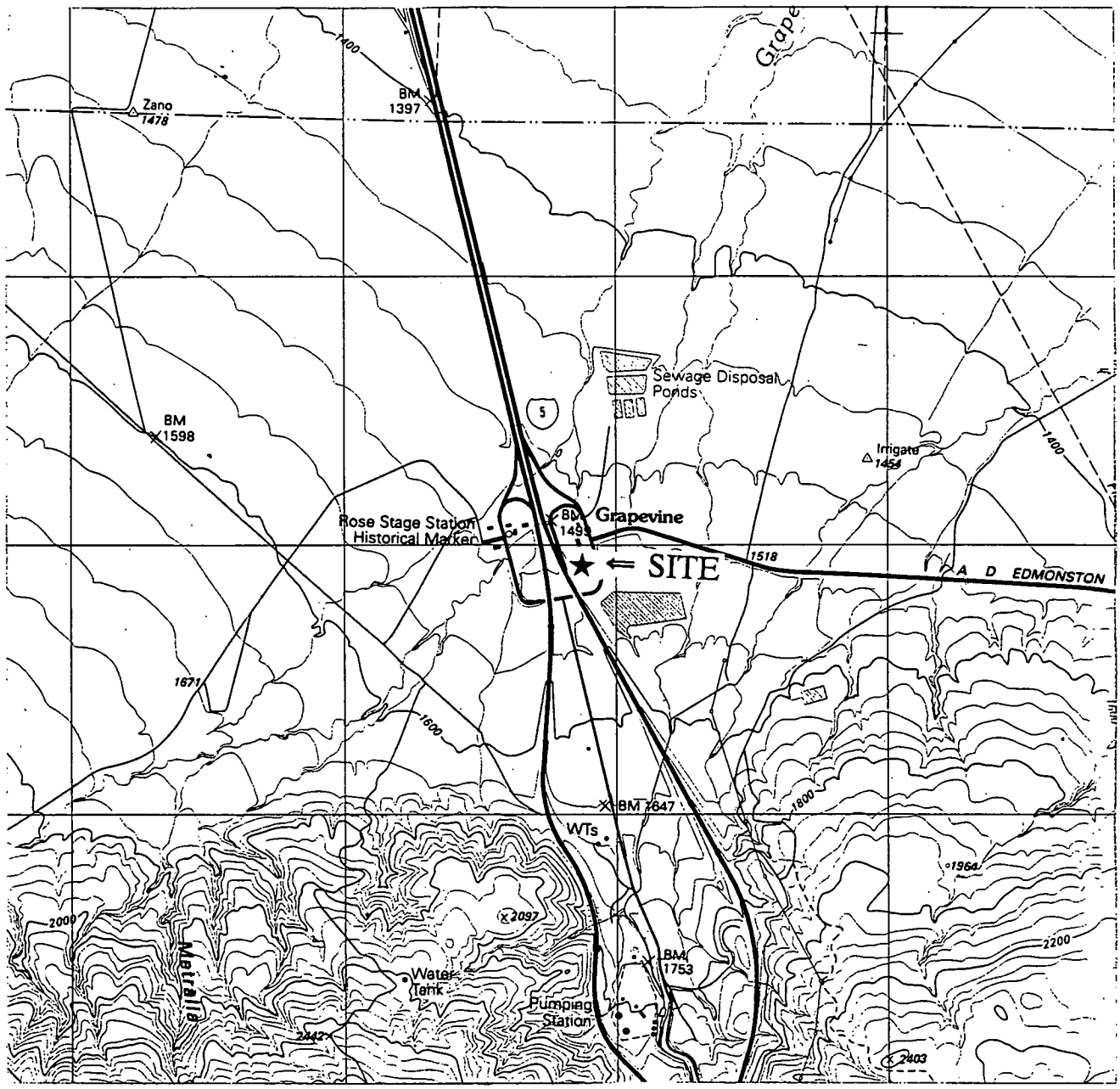
John N. Donatucci
Lead Environmental Engineer

Anjan Ghosh for RLP
Ray Patterson
Program Manager

Enclosures

cc: M. Horne, Chevron
F.S. Small, BEI
J. Donatucci, BEI





Reference Map: Grapevine Quadrangle, 7.5 Minute Series, USGS, 1991

Bechtel Environmental, Inc.

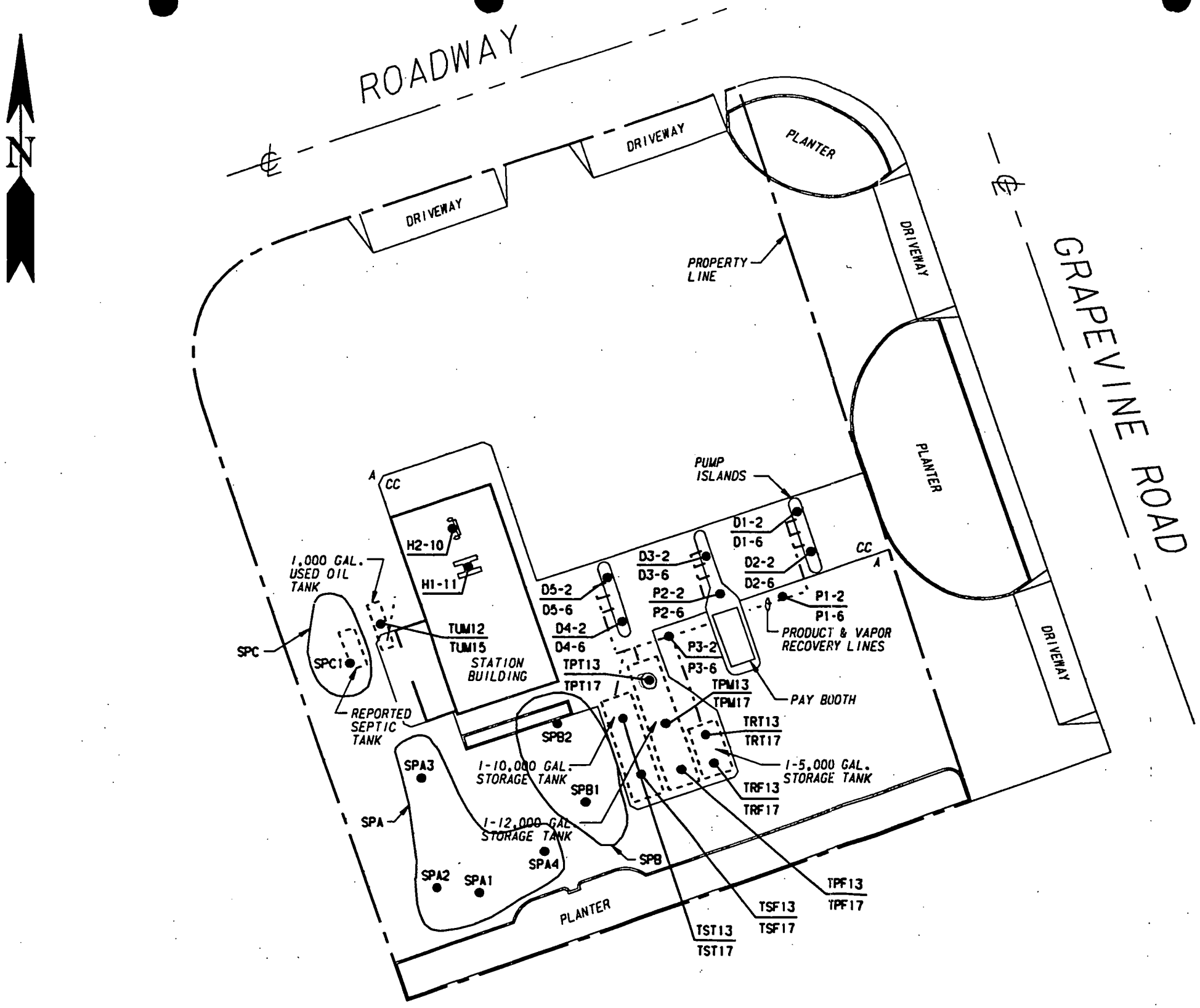
Project Number: 21582-012

SITE LOCATION MAP

Chevron U.S.A. Inc., Marketing Operations
Service Station # 9-8616
9877 Grapevine Road
Lebec, California

FIGURE

1



LEGEND

- • BEI SOIL SAMPLE LOCATION
- A / CC ASPHALT/CONCRETE

THE THREE GASOLINE TANKS AND THE USED-OIL TANK WERE REMOVED.

BECHTEL ENVIRONMENTAL INC.
PROJECT NO. 21582-098-616

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY
0	08/10/93	SITE PLAN	VC			

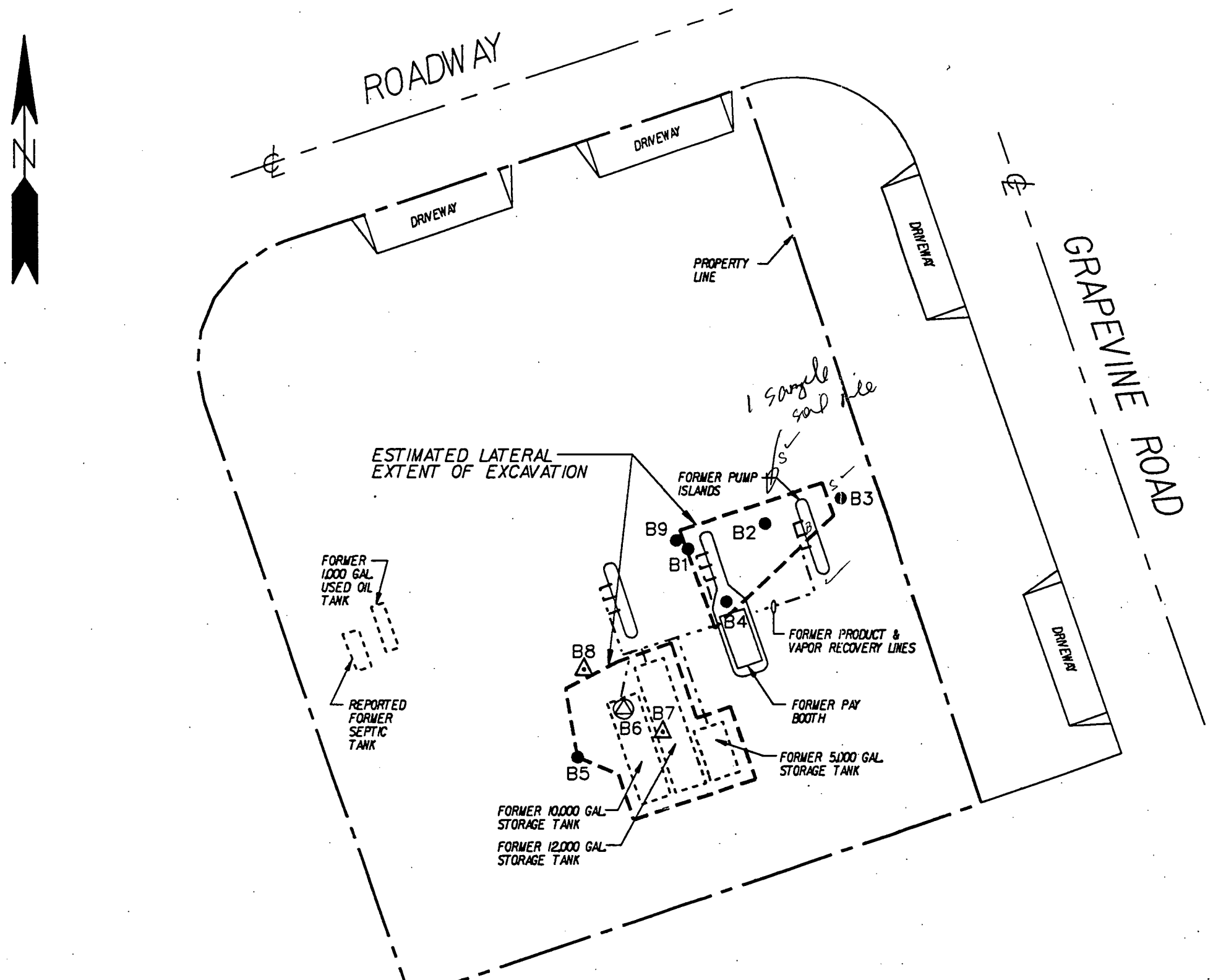
DATE OF ISSUE 08/10/93 — DWN BY — CHK BY — DES BY — APP BY

SITE PLAN WITH SOIL STOCKPILES

CHEVRON U.S.A. INC., MARKETING OPERATIONS
SERVICE STATION NO. 9-8616
9877 GRAPEVINE ROAD
GRAPEVINE, CALIFORNIA

0 30 60 FEET
SCALE

FIGURE 2



LEGEND

- ●B1 BEI EXPLORATORY SOIL BORING
- ⊘ VADOSE ZONE MONITORING WELL
- △ VADOSE ZONE PROBE

NOTE: ALL STRUCTURES ON THE SUBJECT SITE HAVE BEEN REMOVED. CURRENTLY IT IS A VACANT LOT.

BECHTEL ENVIRONMENTAL INC.
PROJECT NO. 21582-098-616

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY
2	08/10/93	SITE PLAN	VC			

DATE OF ISSUE 08/10/93 — DWN BY — CHK BY — DES BY — APP BY

SITE PLAN WITH ESTIMATED LATERAL EXTENT OF EXCAVATION

CHEVRON U.S.A. INC., MARKETING OPERATIONS
SERVICE STATION NO. 9-8616
9877 GRAPEVINE ROAD
GRAPEVINE, CALIFORNIA

0 30 60 FEET
SCALE

FIGURE 3

TABLE 1

SOIL SAMPLE LABORATORY TEST RESULTS

Chevron Multi-Site Project/Chevron Service Station #9-8616, Lebec, California

SAMPLE NUMBER	DATE SAMPLED	SAMPLE DEPTH (feet)	TRPH (mg/kg)(1)	TPHg (mg/kg)(2)	BENZENE (mg/kg)(3)	TOLUENE (mg/kg)(3)	ETHYL-BENZENE (mg/kg)(3)	TOTAL XYLENES (mg/kg)(3)	TOTAL LEAD (mg/kg)(4)	TOTAL ORGANIC HALOGENS (mg/kg)(5)
D1-2	04/01/93	2	--	5900	34	320	130	660	--	--
D1-6	04/01/93	6	--	<1.0	<0.005	0.026	0.008	0.11	--	--
D2-2	04/01/93	2	--	<1.0	<0.005	<0.005	<0.005	0.028	--	--
D2-6	04/01/93	6	--	<1.0	0.009	0.066	0.009	0.12		
D3-2	04/01/93	2	--	970	2.6	50	22	180	--	--
D3-6	04/01/93	6	--	<1.0	<0.005	0.021	0.007	0.060		
D4-2	04/01/93	2	--	2.2	0.008	0.020	<0.005	0.18	--	--
D4-6	04/01/93	6	--	<1.0	<0.005	0.005	<0.005	0.016	--	--
D5-2	04/01/93	2	--	14	<0.005	<0.005	<0.005	0.062	--	--
D5-6	04/01/93	6	--	<1.0	<0.005	<0.005	<0.005	<0.015	--	--
P1-2	04/01/93	2	--	<1.0	<0.005	<0.005	<0.005	<0.015	--	--
P1-6	04/01/93	6	--	<1.0	<0.005	<0.005	<0.005	<0.015	--	--
P2-2	04/01/93	2	--	8000	18	220	110	1000	--	--
P2-6	04/01/93	6	--	4.7	<0.005	0.039	0.044	0.47	--	--
P3-2	04/01/93	2	--	<1.0	<0.005	<0.005	<0.005	<0.015	--	--
P3-6	04/01/93	6	--	4.2	<0.005	0.014	0.037	0.520	--	--
TST13	04/01/93	13	--	3.2	<0.005	<0.005	<0.005	0.047	--	--
TST17	04/01/93	17	--	74000	0.11	4.2	43	2700	--	--
TPT13	04/01/93	13	--	<1.0	<0.005	<0.005	<0.005	<0.015	--	--
TPT17	04/01/93	17	--	<1.0	<0.005	<0.005	<0.005	<0.015	--	--
TSF13	04/01/93	13	--	<1.0	<0.005	<0.005	<0.005	<0.015	--	--
TSF17	04/01/93	17	--	<1.0	<0.005	<0.005	0.005	<0.015	--	--
TPM13	04/01/93	13	--	5.8	<0.005	<0.005	<0.005	0.13	--	--
TPM17	04/01/93	17	--	<1.0	<0.005	<0.005	<0.005	<0.015	--	--
TPF13	04/01/93	13	--	4.0	<0.005	<0.005	<0.005	0.015	--	--
TPF17	04/01/93	17	--	<1.0	<0.005	0.008	0.007	0.027	--	--
TRT13	04/01/93	13	--	<1.0	<0.005	<0.005	<0.005	<0.015	--	--

TABLE 1

SOIL SAMPLE LABORATORY TEST RESULTS

Chevron Multi-Site Project/Chevron Service Station #9-8616, Lebec, California

SAMPLE NUMBER	DATE SAMPLED	SAMPLE DEPTH (feet)	TRPH (mg/kg)(1)	TPHg (mg/kg)(2)	BENZENE (mg/kg)(3)	TOLUENE (mg/kg)(3)	ETHYL-BENZENE (mg/kg)(3)	TOTAL XYLENES (mg/kg)(3)	TOTAL LEAD (mg/kg)(4)	TOTAL ORGANIC HALOGENS (mg/kg)(5)
TRT17	04/01/93	17	--	<1.0	<0.005	<0.005	<0.005	<0.015	--	--
TRF13	04/01/93	13	--	1.5	<0.005	<0.005	<0.005	0.099	--	--
TRF17	04/01/93	17	--	<1.0	<0.005	<0.005	<0.005	<0.015	--	--
SPA1	04/01/93	Stockpile	--	40	<0.005	0.067	0.18	1.2	--	--
SPA2	04/01/93	Stockpile	--	<1.0	<0.005	<0.005	<0.005	0.015	--	--
SPA3	04/01/93	Stockpile	--	1900	10	150	41	250	--	--
SPA4	04/01/93	Stockpile	--	9.6	<0.005	<0.005	<0.005	0.49	--	--
SPB1	04/01/93	Stockpile	--	41	<0.005	0.006	0.014	0.15	--	--
SPB2	04/01/93	Stockpile	--	1.7	<0.005	0.014	0.017	0.058	--	--
TUM12	04/01/93	12	<10	--	--	--	--	--	2.3	<10
TUM15	04/01/93	15	<10	--	--	--	--	--	<1.0	<10
H1-11	04/01/93	11	<10	--	--	--	--	--	--	--
H2-10	04/01/93	10	60	--	--	--	--	--	--	--
SPC1	04/01/93	Stockpile	<10	--	--	--	--	--	--	--

NOTES: Chemical testing was performed by Geotest Environmental Laboratory, Long Beach, California.

(1) Total Recoverable Petroleum Hydrocarbons, analyzed by EPA Method 418.1.

(2) Total Petroleum Hydrocarbons as gasoline, analyzed by Modified EPA Method 8015 (DHS LUFT Method).

(3) Analyzed by EPA Method 8020.

(4) Analyzed by EPA Method 6010.

(5)Total Organic Halogens, analyzed by Modified EPA Method 9020

-- Not Analyzed

ND Not detected below indicated limit of detection.

TABLE 2

LABORATORY TEST RESULTS FOR SOIL SAMPLES COLLECTED FROM EXPLORATORY BORINGS

9877 Grapevine Road, Grapevine, California

Chevron Service Station No. 9-8616

BORING NUMBER	SAMPLE NUMBER	DATE SAMPLED	SAMPLE DEPTH (feet bgs)	TPH (gasoline) (mg/kg) (1)	TPH (full screen) (mg/kg) (1)	BENZENE (mg/kg)(2)	TOLUENE (mg/kg)(2)	ETHYL-BENZENE (mg/kg)(2)	TOTAL XYLENES (mg/kg)(2)	MTBE (mg/kg)(2)	ORGANIC LEAD (mg/kg) (3)
B1	B1 D10	02/07/94	10	<1	--	<0.005	<0.005	<0.005	<0.015	2.14	--
	B1 D20	02/07/94	20	83	--	<0.005	<0.005	<0.005	0.51	3.65	<10
	B1 D35	02/07/94	35	<1	--	<0.005	<0.005	<0.005	<0.015	--	--
B2	B2 D10	02/08/94	10	2	--	<0.005	<0.005	<0.005	<0.015	--	<10
	B2 D20	02/08/94	20	<1.0	--	<0.005	<0.005	<0.005	<0.015	--	--
	B2 D40	02/08/94	40	<1.0	--	<0.005	<0.005	<0.005	<0.015	--	--
B3	B3 D10	02/03/94	10	<1.0	--	<0.005	<0.005	<0.005	<0.015	--	--
	B3 D45	02/03/94	45	<1.0	--	<0.005	<0.005	<0.005	<0.015	--	--
	B3 D60	02/03/94	60	<1.0	--	<0.005	<0.005	<0.005	<0.015	--	--
B4	B4 D5	02/08/94	5	<1.0	--	<0.005	<0.005	<0.005	<0.015	--	--
	B4 D10	02/08/94	10	<1.0	--	<0.005	<0.005	<0.005	<0.015	--	--
	B4 D25	02/08/94	25	<1.0	--	<0.005	<0.005	<0.005	<0.015	--	--
B5	B5 D10	02/07/94	10	<1.0	--	<0.005	<0.005	<0.005	<0.015	--	--
	B5 D15	02/07/94	15	<1.0	--	<0.005	<0.005	<0.005	<0.015	--	--
	B5 D35	02/07/94	35	<1.0	--	<0.005	<0.005	<0.005	<0.015	--	--
B6	B6 D10	02/01/94	10	<1.0	--	<0.005	<0.005	<0.005	<0.015	--	--
	B6 D30	02/01/94	30	<1.0	ND	<0.005	<0.005	<0.005	<0.015	--	--
	B6 D40	02/01/94	40	<1.0	--	<0.005	<0.005	<0.005	<0.015	--	--
	B6 D45	02/01/94	45	<1.0	ND	<0.005	<0.005	<0.005	<0.015	--	--
B7	B7 D20	02/02/94	20	<1.0	--	<0.005	<0.005	<0.005	<0.015	--	--
	B7 D35	02/02/94	35	<1.0	--	<0.005	<0.005	<0.005	<0.015	--	--
	B7 D60	02/02/94	60	<1.0	--	<0.005	<0.005	<0.005	<0.015	--	--
	B7 D70	02/03/94	70	<1.0	--	<0.005	<0.005	<0.005	<0.015	--	--
	B7 D90	02/03/94	90	<1.0	--	<0.005	<0.005	<0.005	<0.015	--	--

TABLE 2

LABORATORY TEST RESULTS FOR SOIL SAMPLES COLLECTED FROM EXPLORATORY BORINGS

9877 Grapevine Road, Grapevine, California

Chevron Service Station No. 9-8616

BORING NUMBER	SAMPLE NUMBER	DATE SAMPLED	SAMPLE DEPTH (feet bgs)	TPH (gasoline) (mg/kg) (1)	TPH (full screen) (mg/kg) (1)	BENZENE (mg/kg)(2)	TOLUENE (mg/kg)(2)	ETHYL-BENZENE (mg/kg)(2)	TOTAL XYLENES (mg/kg)(2)	MTBE (mg/kg)(2)	ORGANIC LEAD (mg/kg) (3)
B8	B8 D10	02/02/94	10	<1.0	--	<0.005	<0.005	<0.005	<0.015	--	--
	B8 D25	02/02/94	25	<1.0	--	<0.005	<0.005	<0.005	<0.015	--	--
	B8 D35	02/02/94	35	<1.0	--	<0.005	<0.005	<0.005	<0.015	--	--
	B8 D50	02/07/94	50	<1.0	--	<0.005	<0.005	<0.005	<0.015	--	--
B9	B9 D10	02/08/94	10	<1.0	--	<0.005	<0.005	<0.005	<0.015	--	--
	B9 D20	02/08/94	20	<1.0	--	<0.005	<0.005	<0.005	<0.015	--	--
	B9 D30	02/08/94	30	<1.0	--	<0.005	<0.005	<0.005	<0.015	--	--

NOTES: Chemical testing was performed by NET Laboratories, Burbank, California.

(1) Total Petroleum Hydrocarbons (gas) and (full screen); Analyzed by EPA Method 8015 Modified.

(2) Analyzed by EPA Method 8020.

(3) Organic Lead; Analyzed by the DOHS Luft Method.

ND = Individual constituents of total petroleum hydrocarbons (TPH) were below the respective detection limits. TPH as gasoline is listed in a separate column. The detection limit for each hydrocarbon constituent is 10 mg/kg.

-- Not Analyzed

ATTACHMENT A

Table 2-1

Leaching Potential Analysis for Gasoline and Diesel
Using Total Petroleum Hydrocarbons (TPH)
and Benzene, Toluene, Xylene and Ethylbenzene (BTXE)

The following table was designed to permit estimating the concentrations of TPH and BTXE that can be left in place without threatening ground water. Three levels of TPH and BTX&E concentrations were derived (from modeling) for sites which fall into categories of low, medium, or high leaching potential. To use the table, find the appropriate description for each of the features. Score each feature using the weighting system shown at the top of each column. Sum the points for each column and total them. Match the total points to the allowable BTX&E and TPH levels.

SITE FEATURE	SCORE	10 PTS IF CONDITION IS MET IS	SCORE	9 PTS IF CONDITION IS MET	SCORE	5 PTS IF CONDITION IS MET
Minimum Depth to Ground Water from the Soil Sample (feet)	10	>100		51-100		25-50\1
Fractures in subsurface (applies to foothills or mountain areas)		None	9	Unknown		Present
Average Annual Precipitation (inches)		<10	9	10-25		26-40\2
Man-made conduits which increase vertical migration of leachate	10	None		Unknown		Present
Unique site features: Recharge area, coarse soil, nearby wells, etc.		None	9	At least one		More than one
COLUMN TOTALS→TOTAL PTS	20	+	27	+	--	= 47
RANGE OF TOTAL POINTS	49 pts or more		41 - 48 pts		40 pts or less	
MAXIMUM ALLOWABLE B/T/X/E LEVELS (PPM)	1/50/50/50		.3/.3/1/1		NA/3	
MAXIMUM ALLOWABLE TPH LEVELS (PPM) GASOLINE	1000		100		10	
MAXIMUM ALLOWABLE TPH LEVELS (PPM) DIESEL	10000		1000		100	

\1 If depth is greater than 5 ft. and less than 25 ft., score 0 points. If depth is 5 ft. or less, this table should not be used.
\2 If precipitation is over 40 inches, score 0 points.
\3 Levels for BTX&E are not applicable at a TPH concentration of 10 ppm (gasoline) or 100 ppm (diesel)(For explanation see step 6, page 27.)

Source: October 1989 Version of Leaking Underground Fuel Tank Field Manual

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

STEVE McCALLEY, R.E.H.S.
DIRECTOR

2700 "M" Street, Suite 300
Bakersfield, CA 93301
(805) 861-3636
(805) 861-3429 FAX

October 15, 1993

Mr. Mark Horne
Chevron USA Inc.
1300 So. Beach Boulevard
La Habra, CA 90632

SUBJECT: Site Assessment Workplan for Former Chevron Station No. 9-8616, ~~9877~~ 7877 Grapevine Road, Lebec, California (Permit No. 600015)

Dear Mr. Horne:

The subject workplan prepared by Bechtel Environmental Inc. has been reviewed. The work proposed to determine the extent of gasoline contamination at this site is acceptable and may be started as scheduled.

Please notify this office at least 48 hours prior to initiating field activities. If you have any questions regarding this correspondence, I can be reached at (805) 861-3636.

Sincerely,

Steve McCalley, Director

Dolores Gough

By: Dolores Gough
Hazardous Materials Specialist II
Hazardous Materials Management Program

DG:ch

cc: Sheila Fooshee, Bechtel Environmental Inc.

gough\600015a.clt

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

STEVE McCALLEY, R.E.H.S.
DIRECTOR

2700 "M" Street, Suite 300
Bakersfield, CA 93301
(805) 861-3636
(805) 861-3429 FAX

File

July 6, 1993

Desiree Closs
Chevron U.S.A.
P. O. Box 2833
La Habra, CA 90632

SUBJECT: Location : I-5 and Highway 99
Lebec, CA 93243
Known As : Chevron U.S.A., #98616
PERMIT # : 600015

Dear Ms. Closs:

This letter is an official notice to inform you that the property described above has been determined by Kern County Environmental Health Services Department to be the site of an unauthorized release of hazardous materials from an underground storage tank. This notice is sent to you because our records indicate that you are a responsible party for this property.

As a responsible party, you must provide for all studies and work relating to the above-described property and the cost for oversight of these activities. California Health and Safety Code, Chapter 6.7, and Kern County Ordinance Code, Chapter 8.48, require a determination of the threat to the environment as a result of this release. THE RESPONSIBLE PARTY SHALL, ON A TIMELY BASIS, DEVELOP A SITE CHARACTERIZATION, FEASIBILITY STUDY AND REMEDIAL ACTION PLAN FOR KERN COUNTY ENVIRONMENTAL HEALTH SERVICES DEPARTMENT'S REVIEW AND APPROVAL BEFORE THE WORK IS INITIATED. Enclosed you will find Attachment "A", Handbook UT-35, which states the minimum required site work plan activities, the necessary requirements for selecting environmental contractors qualified to perform this work, a glossary of terms, example illustrations, and a section discussing the answers to commonly asked questions.

According to the criteria listed below and in Attachment "C", your site has been designated as environmentally sensitive. All environmentally sensitive sites are automatically enrolled into a State contract program for recovery of oversight costs. The environmental sensitivity criteria for sites are as follows:

1. Highest historic ground water is within 100 feet of ground surface, or
2. Nearest surface water in unlined conveyance is within 75 feet of tank(s), or
3. Nearest agricultural or domestic water well is within 75 feet of tank(s), or
4. Facility is located in a designated aquifer recharge area, or

5. Permitting Authority determines possible adverse environmental impact due to facility proximity to unique wildlife habitat areas.

The cost incurred by Kern County Environmental Health Services Department for the oversight of the work for the site characterization, feasibility study, remediation action plan, site remediation, and ongoing monitoring is not covered by any fees or permits. These costs will be recovered by Kern County Environmental Health Services Department under the terms of the State contract described below. The contract pertains only to costs associated with oversight.

STATE CONTRACT

The State Leaking Underground Storage Tank Local Oversight Program provides a mechanism for the State to reimburse the County for County oversight. The County will conduct the necessary oversight and bill the State Water Resources Control Board under this State contract. The State will then charge you, a responsible party, for both the costs incurred by the County and the State, pertaining to your site, under the State terms explained below:

> Whereas the federal Petroleum Leaking Underground Storage Tank Trust Fund provides funding to pay the local and state agency administrative and oversight costs associated with the cleanup of releases from underground storage tanks; and Whereas the Legislature has authorized funds to pay the local and state agency administrative and oversight costs associated with the cleanup of releases from underground storage tanks; and Whereas the direct and indirect costs of site investigation or remedial action at the above site are funded, in whole or in part, from the federal Trust Fund; and Whereas the above individual(s) or entity(ies) have been identified as the party or parties responsible for investigation and cleanup of the above site; YOU ARE HEREBY NOTIFIED that pursuant to Title 42 of the United States Code, Section 6991b(h)(6) and Section 25360 of the Health and Safety Code, the above Responsible Party or Parties shall reimburse the State Water Resources Control Board not more than 150 percent of the total amount of site-specific oversight costs actually incurred while overseeing the cleanup of the above underground storage tank site, and the above Responsible Party or Parties shall make full payment of such costs within 30 days of receipt of a detailed invoice from the State Water Resources Control Board.

If you should have any questions regarding this matter, please contact Susan Gonzales at (805) 861-3636, Extension 510.

Sincerely,

Steve McCalley, Director
Environmental Health Services Department

SMc:BS:cas
Attachments

\colt\600015.f

Is your RETURN ADDRESS completed on the reverse side?

SENDER:
- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

DESIREE CLOSS
CHEVRON U.S.A.
P. O. BOX 2833
LA HABRA, CA 90632

4a. Article Number
P 430 235 444

4b. Service Type
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

5. Signature (Addressee)

6. Signature (Agent)

7. Date of Delivery

8. Addressee's Address (Only if requested and fee is paid)

PS Form **3811**, December 1991 ☆ U.S.G.P.O. : 1992-307-530 **DOMESTIC RETURN RECEIPT**

Thank you for using Return Receipt Service.

P 430 235 444

UNITED STATES POSTAL SERVICE

Receipt for Certified Mail

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Sent to

DESIREE CLOSS
CHEVRON U.S.A.
P. O. BOX 2833
LA HABRA, CA 90632

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	$

Postmark or Date
7-7-93

PS Form **3800**, June 1991

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

STEVE McCALLEY, R.E.H.S.
DIRECTOR

2700 "M" Street, Suite 300
Bakersfield, CA 93301
(805) 861-3636
(805) 861-3429 FAX

July 2, 1993

Desiree Closs
Chevron U.S.A.
P. O. Box 2833
La Habra, CA 90632

SUBJECT: Location: I-5 and Grapevine, Lebec, CA
Known As: Chevron Service Station #98616
PERMIT #: 600015

Dear Ms. Closs:

The intent of this letter is to inform you of the necessary deadlines for work required at the property described above. As a responsible party for a leaking underground storage tank, you have previously received a letter from this Department notifying you of the required work necessary to identify the extent of the contamination. We are now requesting that this work, outlined in UT-35, be done in a timely manner.

In accordance with California Health and Safety Code, Chapter 6.7, and Kern County Ordinance Code, Chapter 8.48, the Kern County Environmental Health Services Department requires a determination of the threat to the environment. Accordingly, you must select an environmental contractor and submit a site characterization workplan proposal to this office within thirty (30) days from the date of this letter. The workplan must be approved by this Department before any work is started.

If you should have any questions regarding this matter, please contact me at (805) 861-3636.

Sincerely,

Steve McCalley, Director

Dolores Gough

By: Dolores Gough
Hazardous Materials Specialist
Hazardous Materials Management Program

DG:cas

\gough\600015hm.121

COPY

Chevron–Bechtel
ALLIANCE
12440 East Imperial Highway
Norwalk, CA 90650-3134

June 18, 1993

Kern County Health Department
Environmental Health Services
2700 "M" Street, Suite 300
Bakersfield, California 93301

Attention: Ms. Carrie Georgi

Subject: Laboratory Reports, Chevron Service Station # 9-8616, 9877 Grapevine Road

Dear Ms. Georgi:

This letter has been prepared in response to a conversation, held on June 8, 1993, between yourself and Carl J. Lind of Bechtel Environmental, Inc., (BEI) pertaining to Chevron U.S.A., Inc., (Chevron) service station #9-8616, located at the intersection of Interstate 5 and Highway 99 near Lebec. During the preliminary site assessment conducted as part of the under-ground storage tank (UST) abandonment on April 1, 1993, several soil samples were collected and submitted to a mobile laboratory for analysis. As you requested in the June 8 conversation the analytical laboratory reports for those samples are enclosed with this letter. Also enclosed are copies of the site sketch with sample locations and designations, and the format for sample label designations.

Please feel free to contact Mr. Lind at (310) 807-2405 if you have any questions regarding these procedures.

Sincerely,

BECHTEL ENVIRONMENTAL, INC.

Carl J. Lind
Geologist

Jerald F. Bailey
Program Manager

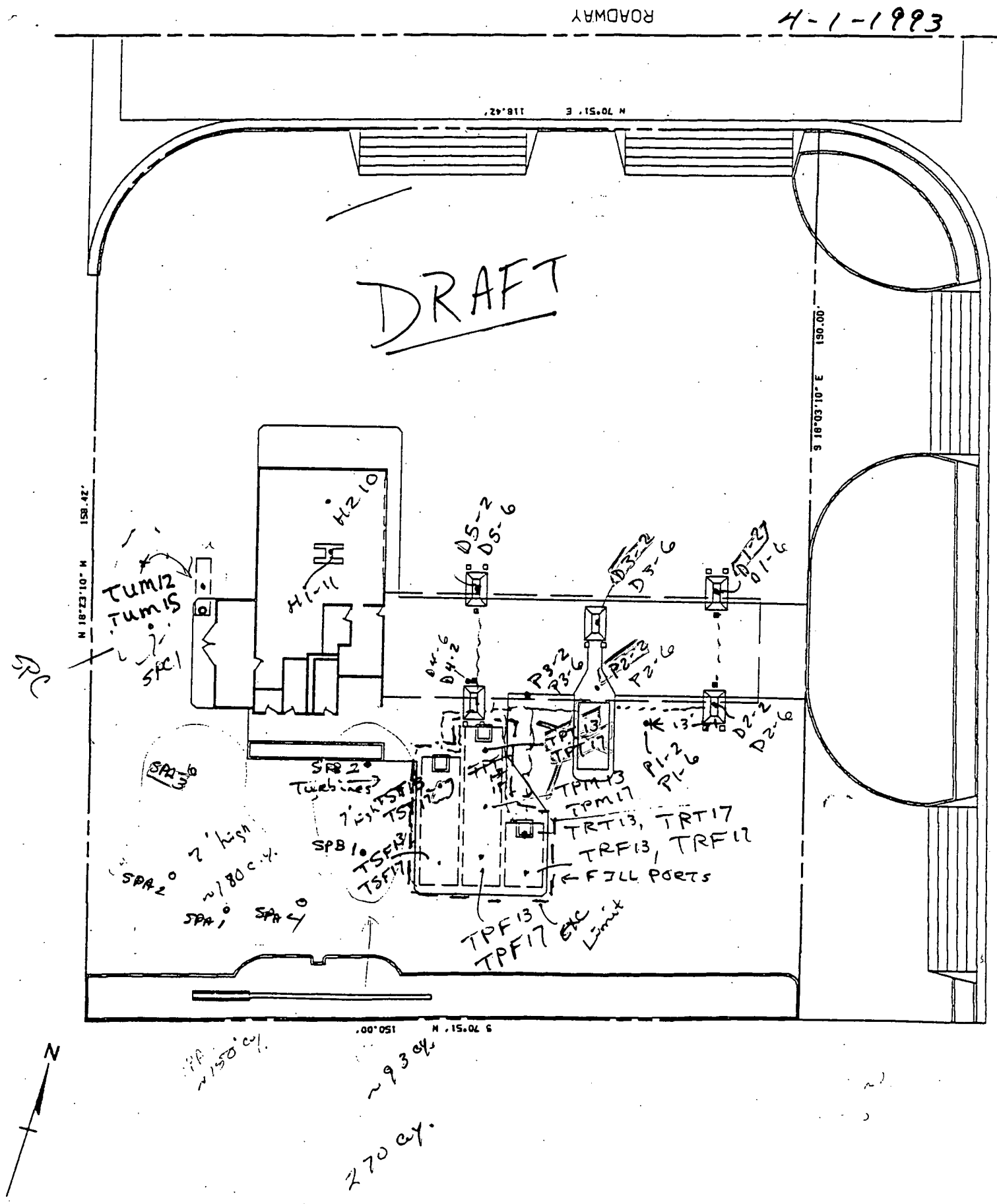
Enclosures

cc: Mark E. Horne (Chevron)
File

RECEIVED
JUN 21 1993

Chevron #9-8616
877 Grapevine Road
Lebec, CA

COPY of
field DRAWING
of SAMPLE
LOCATIONS
4-1-1993



TANK REMOVAL: SAMPLE DESIGNATION

FORMAT: ***a b c d***

- **a** = T, P, D, SP: general sample locations where
  - T = Tank
  - P = Piping
  - D = Dispenser
  - E = Excavation
  - H = Hoist
  - C = Clarifier
  - SP = StockPile
  - ST = Septic Tank

- **b** = S, P, R, L / n: If samples are located with respect to
  - Tanks, then **b** =S, P, R, L; where
    - S = Supreme unleaded
    - P = Plus unleaded
    - R = Regular unleaded
    - L = Leaded, regular
  - Piping, Dispensers, Excavation, Hoist, or Clarifier, then **b** = n; where
    - n = sequential sample numbers.

- **c** = F, C, T / A, B, C, ... / - : If samples are located with respect to
  - Tanks, then **c** = F, M, T; where
    - F = Fill port
    - M = Middle (of tank)
    - T = Turbine;
  - StockPiles, then **c**= A, B, C, ...;
    - where A, B, C, ... = successive generations of stockpiles.
  - Piping, Dispensers, Excavation, Hoist, Clarifier, or Septic Tank then **c** = - .

- **d** = D / n: If samples were collected from beneath
  - Tanks, Piping, Dispensers, Excavation, Hoist, or Clarifier then **d** = D, where
    - D= Depth of sample, in feet;
  - else, if from soil StockPiles, then **d** = n, where
    - n = sequential sample numbers.

Examples: If a soil sample is collected from beneath the fill port of the supreme unleaded tank at a depth of 14 feet, the sample would be labeled TSF14: where, T = tank, S = supreme unleaded, F = fill port (end of tank), 14 = 14 feet bgs.

Soil stockpile piles should typically be labeled with a consecutive letter: the first stockpile would be SPA, the second stockpile would be SPB, etc. If six soil samples are collected from the third soil stockpile, they would be labeled SPC1 - SPC6: where, SP = stockpile, C = third stockpile or stockpile "C", 1 - 6 = consecutive sample numbers.

If two soil samples are collected from beneath the third sampling point beneath a fuel dispenser but at depths of 4 and 7 feet bgs, the samples would be labeled D3-4 and D3-7, respectively: where, D = dispenser, 3 = third sample point, "-" separates the sample number from the depth, 4 & 7 = sample depths in feet bgs.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

CHEVRON
P.O. BOX 2833
LA HABRA, CA 90632

COPIES TO: MARIO BAUTISTA
REPORT TO: CARL LIND, BECHTEL

PROJECT NAME: CHEVRON #9-8616
9877 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED:	04/01/93
DATE RECEIVED:	04/01/93
DATE ANALYZED:	04/01/93
SAMPLE MATRIX:	SOIL
CLIENT ID :	21582-012
GEOTEST PROJECT NO.:	93624-18
ANALYSES:	TPH-G

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
D1-2	5900	1.0
D1-6	ND	1.0
D2-2	ND	1.0
D2-6	ND	1.0
P1-2	ND	1.0
P1-6	ND	1.0
D3-2	970	1.0
D3-6	ND	1.0
P2-2	8000	1.0
P2-6	4.7	1.0
P3-2	ND	1.0

ND - Not detected below indicated limit of detection.

Analyst: AM, OR, RF

Reviewed and Approved: _____

Report date: 4/15/93

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

CHEVRON
P.O. BOX 2833
LA HABRA, CA 90632

COPIES TO: MARIO BAUTISTA
REPORT TO: CARL LIND, BECHTEL

PROJECT NAME: CHEVRON #9-8616
9877 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED:	04/01/93
DATE RECEIVED:	04/01/93
DATE ANALYZED:	04/01/93
SAMPLE MATRIX:	SOIL
CLIENT ID :	21582-012
GEOTEST PROJECT NO.:	93624-18
ANALYSES:	TPH-G

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
P3-6	4.2	1.0
D4-2	2.2	1.0
D4-6	ND	1.0
D5-2	14	1.0
D5-6	ND	1.0
TST-13	3.2	1.0
TST-17	74000	1.0
TPT-13	ND	1.0
TPT-17	ND	1.0
TSF-13	ND	1.0
TSF-17	ND	1.0
TPM13	5.8	1.0
TPM17	ND	1.0

ND - Not detected below indicated limit of detection.

Analyst: AM, DR

Reviewed and Approved: _____

Report date: 4/5/93

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

CHEVRON
P.O. BOX 2833
LA HABRA, CA 90632

COPIES TO: MARIO BAUTISTA
REPORT TO: CARL LIND, BECHTEL

PROJECT NAME: CHEVRON #9-8616
9877 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED: 04/01/93
DATE RECEIVED: 04/01/93
DATE ANALYZED: 04/01/93
SAMPLE MATRIX: SOIL
CLIENT ID : 21582-012
GEOTEST PROJECT NO.: 93624-18
ANALYSES: TPH-G

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
TPF-13	4.0	1.0
TPF-17	ND	1.0
TRT13	ND	1.0
TRT17	ND	1.0
TRF13	1.5	1.0
TRF17	ND	1.0
SPA1	40	1.0
SPA2	ND	1.0
SPA3	1900	1.0
SPA4	9.6	1.0
SPB-1	41	1.0
SPB-2	1.7	1.0

ND - Not detected below indicated limit of detection.

Analyst: AM, RF

Reviewed and Approved: [signature]
Report date: 4/8/93

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - GASOLINE

GEOTEST CLIENT NAME:	CHEVRON	ELAP Certification #1225
GEOTEST PROJECT NO:	93624-18	Analyses prep method:5030
GEOTEST PROJECT NAME:	CHEVRON #9-8616	Analyses method:DHS TPH-G
DATE ANALYZED:04/01/93		
SAMPLE MATRIX:SOIL		

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	1.0

	% ACCURACY	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	96	70 - 130

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE	92	70 - 130

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	89	70 - 130

	RELATIVE PERCENT DIFFERENCE	ACCEPTABLE RANGE %
	3.3	0 - 25

Checked and Approved: _____

Report Date: 4/8/93

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - GASOLINE

GEOTEST CLIENT NAME:	CHEVRON	ELAP Certification #1225
GEOTEST PROJECT NO:	93624-18	Analyses prep method:5030
GEOTEST PROJECT NAME:	CHEVRON #9-8616	Analyses method:DHS TPH-G
DATE ANALYZED:04/01/93		
SAMPLE MATRIX:SOIL		

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	1.0

	% ACCURACY	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	95	70 - 130

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE	99	70 - 130

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	96	70 - 130

	RELATIVE PERCENT DIFFERENCE	ACCEPTABLE RANGE %
	3.1	0 - 25

Checked and Approved: _____

Report Date: 4/8/93

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - GASOLINE

GEOTEST CLIENT NAME:	CHEVRON	ELAP Certification #1225
GEOTEST PROJECT NO:	93624-18	Analyses prep method:5030
GEOTEST PROJECT NAME:	CHEVRON #9-8616	Analyses method:DHS TPH-G
DATE ANALYZED:04/01/93		
SAMPLE MATRIX:SOIL		

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	1.0

	% ACCURACY	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	94	70 - 130

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE	98	70 - 130

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	99	70 - 130

	RELATIVE PERCENT DIFFERENCE	ACCEPTABLE RANGE %
	1.0	0 - 25

Checked and Approved: _____

Report Date: 4/8/93

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

LABORATORY REPORT

CHEVRON
P.O. BOX 2833
LA HABRA, CA 90632

COPIES TO: MARIO BAUTISTA
REPORT TO: CARL LIND, BECHTEL

DATE SAMPLED : 04/01/93
DATE RECEIVED: 04/01/93
DATE ANALYZED: 04/01/93
SAMPLE MATRIX: SOIL
CLIENT ID : 21582-012
GEOTEST PROJECT NO.: 93624-18
ANALYSES: BTEX

PROJECT NAME: CHEVRON #9-8616
LOCATION: 8977 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF ORGANIC AROMATICS
EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
D1-2	34	320	130	660
D1-6	ND	0.026	0.008	0.11
D2-2	ND	ND	ND	0.028
D2-6	0.009	0.066	0.009	0.12
P1-2	ND	ND	ND	ND
P1-6	ND	ND	ND	ND
D3-2	2.6	50	22	180
D3-6	ND	0.021	0.007	0.060
P2-2	18	220	110	1000
P2-6	ND	0.039	0.044	0.47
P3-2	ND	ND	ND	ND

ND - Not detected below indicated limit of detection.

Analyst: AM, DR, RF

Reviewed and Approved: [signature]
Report date: 4/16/93

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 **(310) 498-9515** (800) 624-5744

L A B O R A T O R Y R E P O R T

CHEVRON
P.O. BOX 2833
LA HABRA, CA 90632

COPIES TO: MARIO BAUTISTA
REPORT TO: CARL LIND, BECHTEL

DATE SAMPLED : 04/01/93
DATE RECEIVED: 04/01/93
DATE ANALYZED: 04/01/93
SAMPLE MATRIX: SOIL
CLIENT ID : 21582-012
GEOTEST PROJECT NO.: 93624-18
ANALYSES: BTEX

PROJECT NAME: CHEVRON #9-8616
LOCATION: 8977 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF ORGANIC AROMATICS
EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
P3-6	ND	0.014	0.037	0.52
D4-2	0.008	0.020	ND	0.18
D4-6	ND	0.005	ND	0.016
D5-2	ND	ND	ND	0.062
D5-6	ND	ND	ND	ND
TST-13	ND	ND	ND	0.047
TST-17	0.11	4.2	43	2700
TPT-13	ND	ND	ND	ND
TPT-17	ND	ND	ND	ND
TSF-13	ND	ND	ND	ND
TSF-17	ND	ND	0.005	ND
TPM13	ND	ND	ND	0.13
TPM17	ND	ND	ND	ND

ND - Not detected below indicated limit of detection

Analyst: AM

Reviewed and Approved: _____

Report date: 4/13/93

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST is a division of GEOSERVICES, a California corporation.

ORIGINAL

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 **(310) 498-9515** (800) 624-5744

L A B O R A T O R Y R E P O R T

CHEVRON
P.O. BOX 2833
LA HABRA, CA 90632

COPIES TO: MARIO BAUTISTA
REPORT TO: CARL LIND, BECHTEL

DATE SAMPLED : 04/01/93
DATE RECEIVED: 04/01/93
DATE ANALYZED: 04/01/93
SAMPLE MATRIX: SOIL
CLIENT ID : 21582-012
GEOTEST PROJECT NO.: 93624-18
ANALYSES: BTEX

PROJECT NAME: CHEVRON #9-8616
LOCATION: 8977 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF ORGANIC AROMATICS
EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
TPF-13	ND	ND	ND	0.015
TPF-17	ND	0.008	0.007	0.027
TRT13	ND	ND	ND	ND
TRT17	ND	ND	ND	ND
TRF13	ND	ND	ND	0.099
TRF17	ND	ND	ND	ND
SPA1	ND	0.067	0.18	1.2
SPA2	ND	ND	ND	0.015
SPA3	10	150	41	250
SPA4	ND	ND	ND	0.49
SPB-1	ND	0.006	0.014	0.15
SPB-2	ND	0.014	0.017	0.058

ND - Not detected below indicated limit of detection.

Analyst: AM

Reviewed and Approved: _____

Report date: 4/5/93

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF BTEX BY GC/PID

GEOTEST CLIENT NAME: CHEVRON
GEOTEST PROJECT NO: 93624-18
GEOTEST PROJECT NAME: CHEVRON #9-8616
DATE ANALYZED: 04/01/93
SAMPLE MATRIX: SOIL

ELAP Certification #1225
Analyses prep method:5030
Analyses method:8020

METHOD BLANK	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
Benzene	ND	0.005
Toluene	ND	0.005
Ethylbenzene	ND	0.005
Total Xylenes	ND	0.015

LABORATORY CONTROL STANDARD	% ACCURACY	ACCEPTABLE RANGE %
Benzene	94	70-130
Toluene	95	70-130
Ethylbenzene	93	70-130
Total Xylenes	90	70-130

	MATRIX SPIKE % RECOVERY	MATRIX SPIKE DUPLICATE % RECOVERY	ACCEPTABLE RANGE %
Benzene	90	90	70-130
Toluene	88	88	70-130
Ethylbenzene	90	90	70-130
Total Xylenes	90	86	70-130

	RELATIVE PERCENT DIFFERENCE	ACCEPTABLE RANGE %
Benzene	0	0-25
Toluene	0	0-25
Ethylbenzene	0	0-25
Total Xylenes	4.5	0-25

Checked and Approved: _____

Report Date: 4/8/93

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 **(310) 498-9515** (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF BTEX BY GC/PID

GEOTEST CLIENT NAME: CHEVRON
GEOTEST PROJECT NO: 93624-18
GEOTEST PROJECT NAME: CHEVRON #9-8616
DATE ANALYZED: 04/01/93
SAMPLE MATRIX: SOIL

ELAP Certification #1225
Analyses prep method:5030
Analyses method:8020

METHOD BLANK	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
Benzene	ND	0.005
Toluene	ND	0.005
Ethylbenzene	ND	0.005
Total Xylenes	ND	0.015

LABORATORY CONTROL STANDARD	% ACCURACY	ACCEPTABLE RANGE %
Benzene	78	70-130
Toluene	85	70-130
Ethylbenzene	86	70-130
Total Xylenes	90	70-130

	MATRIX SPIKE % RECOVERY	MATRIX SPIKE DUPLICATE % RECOVERY	ACCEPTABLE RANGE %
Benzene	94	95	70-130
Toluene	92	93	70-130
Ethylbenzene	92	92	70-130
Total Xylenes	96	97	70-130

	RELATIVE PERCENT DIFFERENCE	ACCEPTABLE RANGE %
Benzene	1.0	0-25
Toluene	1.0	0-25
Ethylbenzene	0	0-25
Total Xylenes	1.0	0-25

Checked and Approved: _____

Report Date: 4/8/93

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

CHEVRON
P.O. BOX 2833
LA HABRA, CA 908632

COPIES TO: MARIO BAUTISTA
REPORT TO: CARL LIND, BECHTEL

DATE SAMPLED :	04/01/93
DATE RECEIVED:	04/01/93
DATE ANALYZED:	04/05/93
SAMPLE MATRIX:	SOIL
CLIENT ID :	21582-012
GEOTEST PROJECT NO.:	93624-18
ANALYSES:	6010

PROJECT NAME: CHEVRON #9-8616
LOCATION: 8977 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF LEAD BY ICP
EPA METHOD 6010

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
TUM12	2.3	1.0
TUM15	ND	1.0

ND - Not detected below indicated limit of detection.

Analyst: VN

Reviewed and Approved: VN

Report date: 4/8/93

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 **(310) 498-9515** (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF LEAD BY ICP EPA METHOD 6010

GEOTEST CLIENT NAME: CHEVRON
GEOTEST PROJECT NO: 93624-18
GEOTEST PROJECT NAME: CHEVRON #9-8616
DATE ANALYZED: 04/05/93
SAMPLE MATRIX: SOIL

ELAP certification #1225
Analyses method: 6010

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	1.0

	% ACCURACY	ACCEPTABLE RANGE %
INTERNAL CALIBRATION VERIFICATION	98	90 - 110

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE	83	70 - 130

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	84	70 - 130

	RELATIVE PERCENT DIFFERENCE	ACCEPTABLE RANGE %
	1.0	0 - 25

Checked and Approved: _____

Report Date: 4/8/93

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

CHEVRON
P.O. BOX 2833
LA HABRA, CA 908632

COPIES TO: MARIO BAUTISTA
REPORT TO: CARL LIND, BECHTEL

DATE SAMPLED : 04/01/93
DATE RECEIVED: 04/01/93
DATE ANALYZED: 04/01/93
SAMPLE MATRIX: SOIL
CLIENT ID : 21582-012
GEOTEST PROJECT NO.: 93624-18
ANALYSES: 418.1

PROJECT NAME: CHEVRON #9-8616
LOCATION: 8977 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY INFRARED SPECTROMETRY EPA METHOD 418.1

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
TUM12	ND	10
TUM15	ND	10
H1-11	ND	10
H2-10	60	10
SPC-1	ND	10

ND - Not detected below indicated limit of detection.

Analyst: AM

Reviewed and Approved: _____
Report date: 4/9/93

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 **(310) 498-9515** (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
EPA METHOD 418.1

GEOTEST CLIENT NAME: CHEVRON
GEOTEST PROJECT NO: 93624-18
GEOTEST PROJECT NAME: CHEVRON #9-8616
DATE ANALYZED: 04/01/93
SAMPLE MATRIX: SOIL

ELAP certification #1225
Analyses method: 418.1

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	10

	% ACCURACY	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	105	70 - 130

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE	103	70 - 130

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	103	70 - 130

	RELATIVE PERCENT DIFFERENCE	ACCEPTABLE RANGE %
	0	0 - 25

Checked and Approved: _____

Report Date: 4/8/93

WO# 6164 A-C
MI 102 / 104

①

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

PROJECT NAME CICT / BEI-CUSA
PROJECT I.D. No. 21582-012
CONSULTANT NAME Bechtel Environmental, Inc.
ADDRESS 12440 E. Imperial Hwy, Norwalk
PROJECT CONTACT (NAME) Carl J. Lind
(PHONE) (310) 694-9302
CHEVRON FACILITY No. 9-8616
CHEVRON CONTACT (NAME) Mario Bautista
(PHONE) (310) 694-7299

LABORATORY NAME Geotest / Mobil
CONTRACT NUMBER
COLLECTED BY (NAME) Carl J. Lind
(SIGNATURE) Carl J. Lind
COLLECTION DATE April 1, 1993

CHAIN-OF-CUSTODY RECORD

ANALYSES TO BE PERFORMED

	SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX SOIL	MATRIX WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	METALS (LEAD), Total	OTHER	Total Organic Halides		DETECTION LIMIT	REMARKS
	TUM12		1	✓		✓		4-1			X		✓	✓ ok		X		X			
	TUM15		1	✓		✓							✓	✓ ok		X		X			
D	D1-2											✓		✓							
A	D1-6											✓		✓							
A	D2-2											✓		✓							
A	D2-6											✓		✓							
A	P1-2											✓		✓							
A	P1-6											✓		✓							
D	D3-2											✓		✓							
D	D3-6											✓		✓							
D	P2-2											✓		✓							
A	P2-6											✓		✓							
A	P3-2							4-1			X	✓		✓							

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
Carl J. Lind	BEI	4-1 || 4:55p	[signature]	GEOTEST	4/1/93 1700
[signature]	GEOTEST	4/2/93 1600			
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME
			[signature]		4/2/93 1600

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS
Mobil

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

PROJECT NAME CICT / BEI - CUSA
PROJECT I.D. No. 21582-012
CONSULTANT NAME Kleinfelder Environmental, Inc
ADDRESS 12440 E. Imperial Hwy, Norwalk, CA
PROJECT CONTACT (NAME) Carl J. Lind
(PHONE) (310) 694-9302
CHEVRON FACILITY No. 7-8616
CHEVRON CONTACT (NAME) Mario Bautista
(PHONE) (310) 694-7299

LABORATORY NAME Geotest
CONTRACT NUMBER
COLLECTED BY (NAME) Carl J. Lind
(SIGNATURE)
COLLECTION DATE April 1, 1992

CHAIN-OF-CUSTODY RECORD

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
P3-6			X		X		4-1			X	✓		✓							
D4-2											✓		✓							
D4-6											✓		✓							
D5-2											✓		✓							
D5-6											✓		✓							
TST-13											✓		✓							
TST-17											✓		✓							
TPT-13											✓		✓							
TPT-17											✓		✓							
TSF-13											✓		✓							
TSF-17											✓		✓							
TPM13			↓		↓		↓			↓	/		/							
TPM17			X		X		X			X	/		/							

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
	BEI	4-1-11 4:55		GEOTEST	4/1/93 1655
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
	GEOTEST	4/2/93 1100			
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME
					4/2/93 1600

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS

(3)

CHAIN-OF-CUSTODY RECORD

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

PROJECT NAME CJCT/BEI - CUSA
PROJECT I.D. No. 21582-012
CONSULTANT NAME BECHTEL ENVIRONMENTAL, INC.
ADDRESS 12440 E. Imperial Hwy., Norwalk
PROJECT CONTACT (NAME) Carl J. Lind
(PHONE) (310) 694-9302
CHEVRON FACILITY No. 9-8616
CHEVRON CONTACT (NAME) Mario Bautista
(PHONE) (310) 694-7299

LABORATORY NAME GEOTEST
CONTRACT NUMBER
COLLECTED BY (NAME) Carl J. Lind
(SIGNATURE) [signature]
COLLECTION DATE April 1, 1993

ANALYSES TO BE PERFORMED

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX SOIL	MATRIX WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED		MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES-BTXE	EPA 602 AROMATIC VOLATILES-BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
TPF-13			X		X		4-1			X		✓		✓							
TPF17												✓		✓							
TRT13												✓		✓							
TRT17												✓		✓							
TRF13												✓		✓							
TRF17												✓		✓							
H1-11													✓								
H2-10													✓								
SPC-1													✓								
SPA1												✓		✓							
SPA2												✓		✓							
SPA3												✓		✓							
SPA4			X		X		4-1			X		✓		✓							

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
[signature]	BEI	4-1 // 4:55	[signature]	GEOTEST	4/1/93 1655
[signature]	GEOTEST	4/2/93 1600			
			RECEIVED FOR LABORATORY BY (Signature) [signature]		4/2/93 1600

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

PROJECT NAME CACT/BET - CHISA
PROJECT I.D. No. 21552-012
CONSULTANT NAME BECHTEL ENVIRONMENTAL, INC.
ADDRESS 12440 E. Imperial Hwy., Norwalk
PROJECT CONTACT (NAME) Carl J. Lind
(PHONE) (310) 694-9302
CHEVRON FACILITY No. 9-8616
CHEVRON CONTACT (NAME) Mario Bautista
(PHONE) (310)694-7299

LABORATORY NAME Geotest
CONTRACT NUMBER
COLLECTED BY (NAME) Carl J. Lind
(SIGNATURE)
COLLECTION DATE April 1, 1993

CHAIN-OF-CUSTODY RECORD

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES-BTXE	EPA 602 AROMATIC VOLATILES-BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
SPB-1			X		X		4-1			X	✓		✓							
SPB-2			X		X		4-1			X	✓		✓							

ANALYSES TO BE PERFORMED

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
	BET	4-1 1/4:55p		GEOTEST	4/1/93 1655
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
	GEOTEST	4/2/93 1600			
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME
					4/2/93 1602

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS

Western Atlas International
A Litton/Dresser Company

CORE LABORATORIES

CORE LABORATORIES
A N A L Y T I C A L R E P O R T

Job Number: 930714
Prepared For:

GEOTEST
Dr. Robert Clark
3960 E. Gilman Street
Long Beach, CA 90815

Steven A. Hensen
Signature

4-14-93
Date:

Steven A. Hensen
Laboratory Manager

Nick C. Adolfo
Signature

4/14/93
Date:

Nick C. Adolfo
QA/QC Coordinator

Core Laboratories
1250 Gene Autry Way
Anaheim, California 92805
(714) 937-1094

California Environmental Laboratory Accreditation Program Laboratory Number 1174

Los Angeles County Sanitation District Laboratory Number 10146

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Western Atlas International
A Litton Dresser Company

CORE LABORATORIES

LABORATORY TESTS RESULTS
04/13/93

JOB NUMBER: 930714 CUSTOMER: GEOTEST ATTN: Dr. Robert Clark

SAMPLE NUMBER: 1 DATE RECEIVED: 04/06/93 TIME RECEIVED: 10:00 SAMPLE DATE: 04/01/93 SAMPLE TIME: 00:00

PROJECT: 93624-18 SAMPLE: TUM 12 REM: 1, 4OZ-GLS-SOIL

SAMPLE NUMBER: 2 DATE RECEIVED: 04/06/93 TIME RECEIVED: 10:00 SAMPLE DATE: 04/01/93 SAMPLE TIME: 00:00

PROJECT: 93624-18 SAMPLE: TUM 15 REM: 1, 4OZ-GLS-SOIL

TEST DESCRIPTION	SAMPLE 1	SAMPLE 2					UNITS OF MEASURE
Total Organic Halogens	<10	<10					mg/kg

1250 Gene Autry Way
Anaheim, CA 92805
(714) 937-1094

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Western Atlas International
A Litton Dresser Company

CORE LABORATORIES

QUALITY ASSURANCE REPORT
04/13/93

JOB NUMBER: 930714 CUSTOMER: GEOTEST ATTN: Dr. Robert Clark

ANALYSIS				DUPLICATES		REFERENCE STANDARDS		MATRIX SPIKES		
ANALYSIS TYPE	ANALYSIS SUB-TYPE	ANALYSIS I.D.	ANALYZED VALUE (A)	DUPLICATE VALUE (B)	RPD or (|A-B|)	TRUE VALUE	PERCENT RECOVERY	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY

PARAMETER:Total Organic Halogens DATE/TIME ANALYZED:04/12/93 15:16 QC BATCH NUMBER:927221
REPORTING LIMIT/DF: 10 UNITS:mg/kg METHOD REFERENCE :EPA 9020 (modified) TECHNICIAN:VB

BLANK	METHOD	041293	<10							
STANDARD	LCS	WI20056	1000			1000	100			
SPIKE	MATRIX	930714-1	750					0	1000	75
DUPLICATE	MATRIX	930714-2	<10	<10	NC					

1250 Gene Autry Way
Anaheim, CA 92805
(714) 937-1094

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Western Atlas International
A Litton/Dresser Company

CORE LABORATORIES

QUALITY ASSURANCE FOOTER

All methods are taken from one of the following references:

(1) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, November 1990
(2) Standard Methods for the Examination of Water and Wastewater, 17th Edition, 1989
(3) EPA 600/4-79-020, Methods of Chemical Analysis for Waters and Wastes, March 1983
(4) Federal Register, Friday, October 26, 1984 (40 CFR Part 136)
(5) American Society for Testing and Materials, Volumes 5.01, 5.02, 5.03, 1992
(6) EPA 600/4-89-001, Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Fresh Water Organisms
(7) EPA 600/4-90-027, Methods for Measuring the Acute Toxicity of Effluent and Receiving Waters to Fresh Water and Marine Organisms, Fourth Edition

All methods of chemical analysis have a statistical uncertainty associated with the results. Unless otherwise indicated, the data in this report is within the limits of uncertainty as specified in the referenced method. Quality control acceptance criteria are based either on actual laboratory performance or on limits specified in the referenced method.

Notes: The date and time of analysis indicated on the QA report may not reflect the actual time of analysis for QC samples.
All data reported on an "as received" basis unless otherwise indicated.
Data reported in the QA report may lower than sample data due to dilution of samples into the calibration range of the analysis.
Sample concentrations for solid samples are calculated on an as received basis.

FLAGS, FOOTNOTES, AND ABBREVIATIONS (as needed)

NC = Not calculable due to values lower than the detection limit.
ND = Not detected
ug/L = Micrograms per liter
mg/L = Milligrams per liter
N.I. = Not Ignitable
S.I. = Sustains Ignition
I(NS) = Ignites but does not sustain ignition
RPD = Relative Percent Difference
(a) = Surrogate recoveries were outside acceptable ranges due to matrix effects.
(b) = Surrogate recoveries were not calculated due to dilution of the sample below the detectable range for the surrogate.
(c) = Matrix spike recoveries were outside acceptable ranges due to matrix effects.
(d) = Relative Percent Difference (RPD) for duplicate analysis outside acceptance limits due to actual differences in the sample matrix.
(e) = The limit listed for flammability indicates the upper limit for the test. Samples are not tested at temperatures above 140 Fahrenheit since only samples which will sustain ignition at temperatures below 140 are considered flammable.
(f) = Results for this hydrocarbon range did not match a typical hydrocarbon pattern. Results were quantified using a diesel standard, however, the hydrocarbon pattern did not match a diesel pattern.
(g) = Results for this hydrocarbon range did not match a typical hydrocarbon pattern. Results were quantified using a gasoline standard, however, the hydrocarbon pattern did not match a gasoline pattern.
(h) = High dilution due to matrix effects

1250 Gene Autry Way
Anaheim, CA 92805
(714) 937-1094

SENT TO: CORE LABS - ANAHEIM.

GEOTEST
3960 Gilman Street
Long Beach, CA. 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

930714

GEOTEST PROJECT NO: 93624-18
DATE 4-6-93 PAGE 1 OF 1

PROJECT NAME CICT/BEI-CUSA
ADDRESS
SAMPLER'S SIGNATURE
PRINTED NAME
CLIENT PROJECT NO. 21582-012
PROJECT MANAGER

SAMPLE NO.	DATE	TIME	LOCATION	METHODS: TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	TCX					MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
TUM 12	4/1/93								X					SOIL	6D JAR	1	
TUM 15	4/1/93								X					SOIL	6D JAR	1	

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE [signature]	4/5/93	SIGNATURE		SIGNATURE	
PRINTED NAME SHIRLEY MINOR	TIME	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY GEOTEST	1700	COMPANY		COMPANY	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE	4/5/93	SIGNATURE [signature]	4/16/93	SIGNATURE	
PRINTED NAME	TIME	PRINTED NAME Ecran Simkins	TIME	PRINTED NAME	TIME
COMPANY	1700	COMPANY Core Labs	1000	COMPANY	

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS

W.O. 6164A-C

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY ☐ YES ☒ NO

HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ YES ☒ NO

REPORT DATE 04 07 93

CASE #

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFTY CODE.

SIGNED Carrie Georgi DATE 6/22/93

REPORTED BY

NAME OF INDIVIDUAL FILING REPORT: Desiree Closs

PHONE: (310) 694-7452

SIGNATURE: Desiree Closs

REPRESENTING ☒ OWNER/OPERATOR ☐ REGIONAL BOARD ☐ LOCAL AGENCY ☐ OTHER

COMPANY OR AGENCY NAME: Chevron U.S.A.

ADDRESS: P.O. Box 2833 STREET 1300 Beach Blvd. CITY La Habra STATE CA ZIP 90632

RESPONSIBLE PARTY

NAME: Chevron U.S.A. ☐ UNKNOWN

CONTACT PERSON: Desiree Closs

PHONE: (310) 694-7452

ADDRESS: P.O. Box 2833 STREET 1300 BEACH Blvd. CITY LA Habra STATE CA ZIP 90632

SITE LOCATION

FACILITY NAME (IF APPLICABLE): Chevron Station 98616

OPERATOR: Chevron U.S.A.

PHONE: (310) 694-7452

ADDRESS: Hwy I-5 and Hwy 99 STREET CITY Lebec COUNTY KERN ZIP 93243

CROSS STREET: Hwy 5

TYPE OF AREA ☒ COMMERCIAL ☐ INDUSTRIAL ☐ RURAL ☐ RESIDENTIAL ☐ OTHER

TYPE OF BUSINESS ☒ RETAIL FUEL STATION ☐ FARM ☐ OTHER

IMPLEMENTING AGENCIES

LOCAL AGENCY: KERN Co. AGENCY NAME

CONTACT PERSON: Carrie Georgi

PHONE: ( )

REGIONAL BOARD

PHONE: ( )

SUBSTANCES INVOLVED

(1) NAME: GASOLINE QUANTITY LOST (GALLONS) ☐ ☒ UNKNOWN

(2) ☐ UNKNOWN

DISCOVERY/ABATEMENT

DATE DISCOVERED 04 01 93

HOW DISCOVERED ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☐ TANK TEST ☐ TANK REMOVAL ☒ OTHER TANK REMOVAL

DATE DISCHARGE BEGAN ☒ UNKNOWN

HAS DISCHARGE BEEN STOPPED? ☒ YES ☐ NO IF YES, DATE 04 01 93

METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)
☐ REMOVE CONTENTS ☐ REPLACE TANK ☒ CLOSE TANK ☐ REPAIR TANK ☐ REPAIR PIPING ☐ CHANGE PROCEDURE ☐ OTHER

SOURCE/CAUSE

SOURCE OF DISCHARGE: ☐ TANK LEAK ☒ UNKNOWN ☐ PIPING LEAK ☐ OTHER

TANKS ONLY/CAPACITY: ____ GAL. AGE ____ YRS ☒ UNKNOWN

MATERIAL: ☐ FIBERGLASS ☒ STEEL ☐ OTHER

CAUSE(S): ☐ OVERFILL ☐ RUPTURE/FAILURE ☐ CORROSION ☒ UNKNOWN ☐ SPILL ☐ OTHER

CASE TYPE

CHECK ONE ONLY
☐ UNDETERMINED ☒ SOIL ONLY ☐ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS

CHECK ONE ONLY
☒ SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PROBLEM) ☐ CLEANUP IN PROGRESS ☐ SIGNED OFF (CLEANUP COMPLETED OR UNNECESSARY) ☐ NO ACTION TAKEN ☐ POST CLEANUP MONITORING IN PROGRESS ☐ NO FUNDS AVAILABLE TO PROCEED ☐ EVALUATING CLEANUP ALTERNATIVES

REMEDIAL ACTION

CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)
☐ CAP SITE (CD) ☐ EXCAVATE & DISPOSE (ED) ☐ REMOVE FREE PRODUCT (FP) ☐ ENHANCED BIO DEGRADATION (IT) ☐ CONTAINMENT BARRIER (CB) ☐ EXCAVATE & TREAT (ET) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ REPLACE SUPPLY (RS) ☐ TREATMENT AT HOOKUP (HU) ☐ NO ACTION REQUIRED (NA) ☒ OTHER (OT) to be determined

COMMENTS

Contaminated soil was discovered during tank removal site assessment.

HSC 05 (4/87)

INSTRUCTIONS

EMERGENCY
Indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES) at 2800 Meadowview Road, Sacramento, CA 95832. Copies of the OES report form may be obtained at your local underground storage tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.

LOCAL AGENCY ONLY
To avoid duplicate notification pursuant to Health and Safety Code Section 25180.7, a designated government employee should sign and date the form in this block. A signature here does not mean that the leak has been determined to pose a significant threat to human health or safety, only that notification procedures have been followed if required.

REPORTED BY
Enter your name, telephone number, and address. Indicate which party you represent and provide company or agency name.

RESPONSIBLE PARTY
Enter name, telephone number, contact person, and address of the party responsible for the leak. The responsible party would normally be the tank owner.

SITE LOCATION
Enter information regarding the tank facility and surrounding area. At a minimum, you must provide the facility name and full address.

IMPLEMENTING AGENCIES
Enter names of the local agency and Regional Water Quality Control Board involved.

SUBSTANCES INVOLVED
Enter the name and quantity lost of the hazardous substance involved. Room is provided for information on two substances if appropriate. If more than two substances leaked, list the two of most concern for cleanup.

DISCOVERY/ABATEMENT
Provide information regarding the discovery and abatement of the leak.

SOURCE/CAUSE
Indicate source(s) of leak. Provide details on tank age; capacity and material if known. Check box(es) indicating cause of leak.

CASE TYPE
Indicate the case type category for this leak. Check one box only. Case type is based on the most sensitive resource affected. For example, if both soil and ground water have been affected, case type will be "Ground Water". Indicate "Drinking Water" only if one or more municipal or domestic water wells have actually been affected. A "Ground Water" designation does not imply that the affected water cannot be, or is not, used for drinking water, but only that water wells have not yet been affected. It is understood that case type may change upon further investigation.

CURRENT STATUS
Indicate the category which best describes the current status of the case. Check one box only. The response should be relative to the case type. For example, if case type is "Ground Water", then "Current Status" should refer to the status of the ground water investigation or cleanup, as opposed to that of soil.

IMPORTANT: THE INFORMATION PROVIDED ON THIS FORM IS INTENDED FOR GENERAL STATISTICAL PURPOSES ONLY AND IS NOT TO BE CONSTRUED AS REPRESENTING THE OFFICIAL POSITION OF ANY GOVERNMENTAL AGENCY

REMEDIAL ACTION
Indicate which actions have been used to cleanup or remediate the leak. Descriptions of options follow:

Cap Site - install horizontal impermeable layer to reduce rainfall infiltration.
Containment Barrier - install vertical dike to block horizontal movement of contaminant.
Excavate and Dispose - remove contaminated soil and dispose in approved site.
Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming).
Remove Free Product - remove floating product from water table.
Pump and Treat Groundwater - generally employed to remove dissolved contaminants.
Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants.
Replace Supply - provide alternative water supply to affected parties.
Treatment at Hookup - install water treatment devices at each dwelling or other place of use.
No Action Required - incident is minor, requiring no remedial action.

COMMENTS - Use this space to elaborate on any aspects of the incident.
SIGNATURE - Sign the form in the space provided.
DISTRIBUTION

If the form is completed by the tank owner or his agent, retain the last copy and forward the remaining copies in tact to your local tank permitting agency for distribution.

1. Original - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Water Quality, Underground Tank Program, P. O. Box 100, Sacramento, CA 95801
3. Regional Water Quality Control Board
4. County Board of Supervisors or designee to receive Proposition 65 notifications.
5. Owner/responsible party.

TABLE 1

SOIL SAMPLE LABORATORY TEST RESULTS
Chevron Multi-Site Project/Chevron Service Station #9-8616, Lebec, California

SAMPLE NUMBER	DATE SAMPLED	SAMPLE DEPTH (feet)	TRPH (mg/kg)(1)	TPHg (mg/kg)(2)	BENZENE (mg/kg)(3)	TOLUENE (mg/kg)(3)	ETHYL-BENZENE (mg/kg)(3)	TOTAL XYLENES (mg/kg)(3)	TOTAL LEAD (mg/kg)(4)	TOTAL ORGANIC HALOGENS (mg/kg)(5)
TRT17	04/01/93	17	--	<1.0	<0.005	<0.005	<0.005	<0.015	--	--
TRF13	04/01/93	13	--	1.5	<0.005	<0.005	<0.005	0.099	--	--
TRF17	04/01/93	17	--	<1.0	<0.005	<0.005	<0.005	<0.015	--	--
SPA1	04/01/93	Stockpile	--	40	<0.005	0.067	0.18	1.2	--	--
SPA2	04/01/93	Stockpile	--	<1.0	<0.005	<0.005	<0.005	0.015	--	--
SPA3	04/01/93	Stockpile	--	1900	10	150	41	250	--	--
SPA4	04/01/93	Stockpile	--	9.6	<0.005	<0.005	<0.005	0.49	--	--
SPB1	04/01/93	Stockpile	--	41	<0.005	0.006	0.014	0.15	--	--
SPB2	04/01/93	Stockpile	--	1.7	<0.005	0.014	0.017	0.058	--	--
TUM12	04/01/93	12	<10	--	--	--	--	--	2.3	<10
TUM15	04/01/93	15	<10	--	--	--	--	--	<1.0	<10
H1-11	04/01/93	11	<10	--	--	--	--	--	--	--
H2-10	04/01/93	10	60	--	--	--	--	--	--	--
SPC1	04/01/93	Stockpile	<10	--	--	--	--	--	--	--

NOTES: Chemical testing was performed by Geotest Environmental Laboratory, Long Beach, California.
(1) Total Recoverable Petroleum Hydrocarbons, analyzed by EPA Method 418.1.
(2) Total Petroleum Hydrocarbons as gasoline, analyzed by Modified EPA Method 8015 (DHS LUFT Method).
(3) Analyzed by EPA Method 8020.
(4) Analyzed by EPA Method 6010.
(5)Total Organic Halogens, analyzed by Modified EPA Method 9020
-- Not Analyzed
ND Not detected below indicated limit of detection.

TABLE 1

SOIL SAMPLE LABORATORY TEST RESULTS

Chevron Multi-Site Project/Chevron Service Station #9-8616, Lebec, California

SAMPLE NUMBER	DATE SAMPLED	SAMPLE DEPTH (feet)	TRPH (mg/kg)(1)	TPHg (mg/kg)(2)	BENZENE (mg/kg)(3)	TOLUENE (mg/kg)(3)	ETHYL-BENZENE (mg/kg)(3)	TOTAL XYLENES (mg/kg)(3)	TOTAL LEAD (mg/kg)(4)	TOTAL ORGANIC HALOGENS (mg/kg)(5)
D1-2	04/01/93	2	--	5900	34	320	130	660	--	--
D1-6	04/01/93	6	--	<1.0	<0.005	0.026	0.008	0.11	--	--
D2-2	04/01/93	2	--	<1.0	<0.005	<0.005	<0.005	0.028	--	--
D2-6A	04/01/93	6	--	<1.0	0.009	0.066	0.009	0.12		
D3-2	04/01/93	2	--	970	2.6	50	22	180	--	--
D3-6	04/01/93	6	--	<1.0	<0.005	0.021	0.007	0.060		
D4-2	04/01/93	2	--	2.2	0.008	0.020	<0.005	0.18	--	--
D4-6	04/01/93	6	--	<1.0	<0.005	0.005	<0.005	0.016	--	--
D5-2	04/01/93	2	--	14	<0.005	<0.005	<0.005	0.062	--	--
D5-6	04/01/93	6	--	<1.0	<0.005	<0.005	<0.005	<0.015	--	--
P1-2	04/01/93	2	--	<1.0	<0.005	<0.005	<0.005	<0.015	--	--
P1-6	04/01/93	6	--	<1.0	<0.005	<0.005	<0.005	<0.015	--	--
P2-2	04/01/93	2	--	8000	18	220	110	1000	--	--
P2-6	04/01/93	6	--	4.7	<0.005	0.039	0.044	0.47	--	--
P3-2	04/01/93	2	--	<1.0	<0.005	<0.005	<0.005	<0.015	--	--
P3-6	04/01/93	6	--	4.2	<0.005	0.014	0.037	0.520	--	--
TST13	04/01/93	13	--	3.2	<0.005	<0.005	<0.005	0.047	--	--
TST17	04/01/93	17	--	74000	0.11	4.2	43	2700	--	--
TPT13	04/01/93	13	--	<1.0	<0.005	<0.005	<0.005	<0.015	--	--
TPT17	04/01/93	17	--	<1.0	<0.005	<0.005	<0.005	<0.015	--	--
TSF13	04/01/93	13	--	<1.0	<0.005	<0.005	<0.005	<0.015	--	--
TSF17	04/01/93	17	--	<1.0	<0.005	<0.005	0.005	<0.015	--	--
TPM13	04/01/93	13	--	5.8	<0.005	<0.005	<0.005	0.13	--	--
TPM17	04/01/93	17	--	<1.0	<0.005	<0.005	<0.005	<0.015	--	--
TPF13	04/01/93	13	--	4.0	<0.005	<0.005	<0.005	0.015	--	--
TPF17	04/01/93	17	--	<1.0	<0.005	0.008	0.007	0.027	--	--
TRT13	04/01/93	13	--	<1.0	<0.005	<0.005	<0.005	<0.015	--	--

Bechtel Los Angeles
FACSIMILE TRANSMISSION REQUEST

SEND TO: CARRIE GEORGE	FROM: CARL J. LEND
LOCATION: KERN County Health Dept. Environmental Health Services 2700 "M" Street, Suite 300, Bakersfield	LOCATION/EXT: C7251 LARO / x-2405
FAX NO: (805) 861-3429	DATE: 6-18-93 / CHARGE TO JOB/OVERHEAD ACCT NO: 21582-012
	NO. OF PAGES (Excludes cover sheet): 27 / COST:

REMARKS

LABORATORY ~~RESULTS~~ REPORTS, SITE PLAN (DRAFT) AND SAMPLE LABEL FORMAT ENCLOSED.
FOR CHEVRON 55 # 9-8616 LOCATED @
9877 GRAPEVINE ROAD, LEBEC.

Carl J. Lend

DISTRIBUTION: ORIGINATOR RETAINS PINK COPY; WHITE AND YELLOW TO COMMUNICATIONS CENTER

LAO-0025 11/90

Bechtel Los Angeles

FACSIMILE TRANSMISSION REQUEST

SEND TO: Carrie George	FROM: Carl J. Lund
LOCATION: Kern County Health Dept. Environmental Health Services 2700 "M" Street, Suite 300 Bakersfield	LOCATION/EXT.: ~~#~~ G7251 LARD / n-2405
FAX NO.: (805) 861-3429	DATE: 6-18-93 / CHARGE TO JOB/OVERHEAD ACCT NO.: 21582-012
	NO. OF PAGES (Excludes cover sheet): 27 / COST:

REMARKS

Laboratory ~~results~~ Reports, site plan (DRAFT) and Sample label format enclosed.
For Chevron SS # 9-8616 Location @ 9877 Grapevine Road, Lebec.

Carl J. Lund

DISTRIBUTION: ORIGINATOR RETAINS PINK COPY. WHITE AND YELLOW TO COMMUNICATIONS CENTER

LAC-0025 11/89

Chevron

BECHTEL

June 18, 1993

Chevron–Bechtel
ALLIANCE

12440 East Imperial Highway
Norwalk, CA 90650-3134

Kern County Health Department
Environmental Health Services
2700 "M" Street, Suite 300
Bakersfield, California 93301

Attention: Ms. Carrie Georgi

Subject: Laboratory Reports, Chevron Service Station # 9-8616, 9877 Grapevine Road

Dear Ms. Georgi:

This letter has been prepared in response to a conversation, held on June 8, 1993, between yourself and Carl J. Lind of Bechtel Environmental, Inc., (BEI) pertaining to Chevron U.S.A., Inc., (Chevron) service station #9-8616, located at the intersection of Interstate 5 and Highway 99 near Lebec. During the preliminary site assessment conducted as part of the under-ground storage tank (UST) abandonment on April 1, 1993, several soil samples were collected and submitted to a mobile laboratory for analysis. As you requested in the June 8 conversation the analytical laboratory reports for those samples are enclosed with this letter. Also enclosed are copies of the site sketch with sample locations and designations, and the format for sample label designations.

Please feel free to contact Mr. Lind at (310) 807-2405 if you have any questions regarding these procedures.

Sincerely,

BECHTEL ENVIRONMENTAL, INC.

Carl J. Lind
Geologist

Jerald F. Bailey
Program Manager

Enclosures

cc: Mark E. Horne (Chevron)
File

JUN 18 '93 10:48AM BECHTEL 310-807-3456 P.2

June 18, 1993

Chevron–Bechtel
ALLIANCE

12440 East Imperial Highway
Norwalk, CA 90650-3134

Kern County Health Department
Environmental Health Services
2700 "M" Street, Suite 300
Bakersfield, California 93301

Attention: Ms. Carrie Georgi

Subject: Laboratory Reports, Chevron Service Station # 9-8616, 9877 Grapevine Road

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Sincerely,

BECHTEL ENVIRONMENTAL, INC.

Carl J. Lind
Geologist

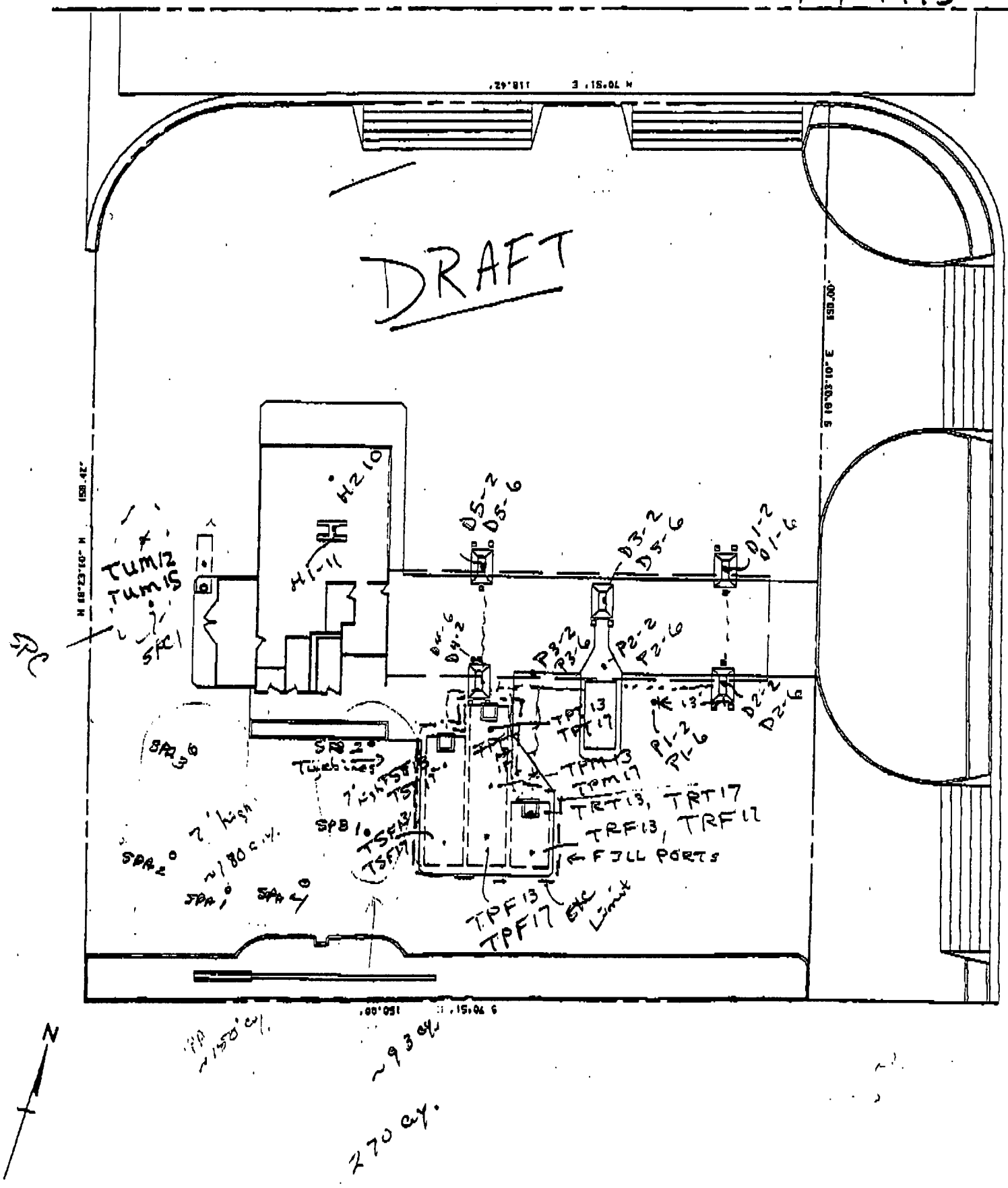
Jerald F. Bailey
Program Manager

Enclosures

cc: Mark E. Horne (Chevron)
File

Chevron SS # 7-8016
877 Grapevine Road
Lebec, CA

COPY of
field Drawing
of Sample
Locations
4-1-1993



COPY of
Field Drawing
of Sample
Landscape
4-1-1993

YANCADA

DRAFT

TANK REMOVAL: SAMPLE DESIGNATION

FORMAT: *a b c d*

- **a** = T, P, D, SP: general sample locations where
  - T = Tank
  - P = Piping
  - D = Dispenser
  - E = Excavation
  - H = Hoist
  - C = Clarifier
  - SP = StockPile
  - ST = Septic Tank

- **b** = S, P, R, L / n: If samples are located with respect to
  - Tanks, then **b** = S, P, R, L; where
    - S = Supreme unleaded
    - P = Plus unleaded
    - R = Regular unleaded
    - L = Leaded, regular
  - Piping, Dispensers, Excavation, Hoist, or Clarifier, then **b** = n; where
    - n = sequential sample numbers.

- **c** = F, C, T / A, B, C, ... / - : If samples are located with respect to
  - Tanks, then **c** = F, M, T; where
    - F = Fill port
    - M = Middle (of tank)
    - T = Turbine;
  - StockPiles, then **c** = A, B, C, ...;
    - where A, B, C, ... = successive generations of stockpiles.
  - Piping, Dispensers, Excavation, Hoist, Clarifier, or Septic Tank then **c** = - .

- **d** = D / n: If samples were collected from beneath
  - Tanks, Piping, Dispensers, Excavation, Hoist, or Clarifier then **d** = D, where
    - D = Depth of sample, in feet;
  - else, if from soil StockPiles, then **d** = n, where
    - n = sequential sample numbers.

Examples: If a soil sample is collected from beneath the fill port of the supreme unleaded tank at a depth of 14 feet, the sample would be labeled TSF14: where, T = tank, S = supreme unleaded, F = fill port (end of tank), 14 = 14 feet bgs.

Soil stockpile piles should typically be labeled with a consecutive letter: the first stockpile would be SPA, the second stockpile would be SPB, etc. If six soil samples are collected from the third soil stockpile, they would be labeled SPC1 - SPC6: where, SP = stockpile, C = third stockpile or stockpile "C", 1 - 6 = consecutive sample numbers.

If two soil samples are collected from beneath the third sampling point beneath a fuel dispenser but at depths of 4 and 7 feet bgs, the samples would be labeled D3-4 and D3-7, respectively: where, D = dispenser, 3 = third sample point, "-" separates the sample number from the depth, 4 & 7 = sample depths in feet bgs.

JUN 18 '93 10:49AM BECHTEL 310-807-3456

TANK REMOVAL: SAMPLE DESIGNATION

FORMAT: a b c d

- a = T, P, D, SP: general sample locations where
  - T = Tank
  - P = Piping
  - D = Dispenser
  - E = Excavation
  - H = Hoist
  - C = Clarifier
  - SP = StockPile
  - ST = Septic Tank

- b = S, P, R, L / n: If samples are located with respect to
  - Tanks, then b = S, P, R, L; where
    - S = Supreme unleaded
    - P = Plus unleaded
    - R = Regular unleaded
    - L = Leaded, regular
  - Piping, Dispensers, Excavation, Hoist, or Clarifier, then b = n; where
    - n = sequential sample numbers.

- c = F, C, T / A, B, C, ... / - : If samples are located with respect to
  - Tanks, then c = F, M, T; where
    - F = Fill port
    - M = Middle (of tank)
    - T = Turbine;
  - StockPiles, then c = A, B, C, ...;
    - where A, B, C, ... = successive generations of stockpiles.
  - Piping, Dispensers, Excavation, Hoist, Clarifier, or Septic Tank then c = - .

- d = D / n: If samples were collected from beneath
  - Tanks, Piping, Dispensers, Excavation, Hoist, or Clarifier then d = D, where
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GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

CHEVRON
P.O. BOX 2833
LA HABRA, CA 90632

COPIES TO: MARIO BAUTISTA
REPORT TO: CARL LIND, BECHTEL

PROJECT NAME: CHEVRON #9-8616
9877 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED: 04/01/93
DATE RECEIVED: 04/01/93
DATE ANALYZED: 04/01/93
SAMPLE MATRIX: SOIL
CLIENT ID : 21582-012
GEOTEST PROJECT NO.: 93624-18
ANALYSES: TPH-G

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
D1-2	5900	1.0
D1-6	ND	1.0
D2-2	ND	1.0
D2-6	ND	1.0
P1-2	ND	1.0
P1-6	ND	1.0
D3-2	970	1.0
D3-6	ND	1.0
P2-2	8000	1.0
P2-6	4.7	1.0
P3-2	ND	1.0

ND - Not detected below indicated limit of detection.

Analyst: AM, DR, RF

Reviewed and Approved: _____
Report date: 4/8/93

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 9081, Long Beach, California 90809-9081 (310) 498-8516 (800) 624-5744

L A B O R A T O R Y R E P O R T

CHEVRON
P.O. BOX 2833
LA HABRA, CA 90632

COPIES TO: MARIO BAUTISTA
REPORT TO: CARL LIND, BECHTEL

PROJECT NAME: CHEVRON #9-8616
9877 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED: 04/01/93
DATE RECEIVED: 04/01/93
DATE ANALYZED: 04/01/93
SAMPLE MATRIX: SOIL
CLIENT ID : 21582-012
GEOTEST PROJECT NO.: 9362A-18
ANALYSES: TPH-G

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
D1-2	5900	1.0
D1-6	ND	1.0
D2-2	ND	1.0
D2-6	ND	1.0
P1-2	ND	1.0
P1-6	ND	1.0
D3-2	970	1.0
D3-6	ND	1.0
P2-2	8000	1.0
P2-6	4.7	1.0
P3-2	ND	1.0

ND - Not detected below indicated limit of detection.

Analyst: AM, DR, RF Reviewed and Approved: _____

Report date: 4/13/93

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

CHEVRON
P.O. BOX 2833
LA HABRA, CA 90632

COPIES TO: MARIO BAUTISTA
REPORT TO: CARL LIND, BECHTEL

PROJECT NAME: CHEVRON #9-8616
9877 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED: 04/01/93
DATE RECEIVED: 04/01/93
DATE ANALYZED: 04/01/93
SAMPLE MATRIX: SOIL
CLIENT ID : 21582-012
GEOTEST PROJECT NO.: 93624-18
ANALYSES: TPH-G

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
P3-6	4.2	1.0
D4-2	2.2	1.0
D4-6	ND	1.0
D5-2	14	1.0
D5-6	ND	1.0
TST-13	3.2	1.0
TST-17	74000	1.0
TPT-13	ND	1.0
TPT-17	ND	1.0
TSF-13	ND	1.0
TSF-17	ND	1.0
TPM13	5.8	1.0
TPM17	ND	1.0

ND - Not detected below indicated limit of detection.

Analyst: AM, DR

Reviewed and Approved: _____
Report date: 4/15/93

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

ORIGINAL
JUN 18 '93 10:50AM BECHTEL 310-807-3456 P.6

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9815 (800) 624-5744

LABORATORY REPORT

CHEVRON
P.O. BOX 2833
LA HABRA, CA 90632

COPIES TO: MARIO BAUTISTA
REPORT TO: CARL LIND, BECHTEL

PROJECT NAME: CHEVRON #9-3616
9877 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED: 04/01/93
DATE RECEIVED: 04/01/93
DATE ANALYZED: 04/01/93
SAMPLE MATRIX: SOIL
CLIENT ID : 21582-012
GEOTEST PROJECT NO.: 93624-18
ANALYSES: TPH-G

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
P3-6	4.2	1.0
D4-2	2.2	1.0
D4-6	ND	1.0
D5-2	14	1.0
D5-6	ND	1.0
TST-13	3.2	1.0
TST-17	74000	1.0
TPT-13	ND	1.0
TPT-17	ND	1.0
TSF-13	ND	1.0
TSF-17	ND	1.0
TPM13	5.8	1.0
TPM17	ND	1.0

ND = Not detected below indicated limit of detection.

Analyst: AM, DR Reviewed and Approved: [signature]
Report date: 4/1/93

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GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

LABORATORY REPORT

CHEVRON
P.O. BOX 2833
LA HABRA, CA 90632

COPIES TO: MARIO BAUTISTA
REPORT TO: CARL LIND, BECHTEL

PROJECT NAME: CHEVRON #9-8616
9877 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED: 04/01/93
DATE RECEIVED: 04/01/93
DATE ANALYZED: 04/01/93
SAMPLE MATRIX: SOIL
CLIENT ID : 21582-012
GEOTEST PROJECT NO.: 93624-18
ANALYSES: TPH-G

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
TPF-13	4.0	1.0
TPF-17	ND	1.0
TRT13	ND	1.0
TRT17	ND	1.0
TRF13	1.5	1.0
TRF17	ND	1.0
SPA1	40	1.0
SPA2	ND	1.0
SPA3	1900	1.0
SPA4	9.6	1.0
SPB-1	41	1.0
SPB-2	1.7	1.0

ND - Not detected below indicated limit of detection.

Analyst: AM, RF

Reviewed and Approved: [signature]
Report date: 4/8/93

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

ORIGINAL
JUN 18 '93 10:51AM BECHTEL 310-807-3456 P.7

GEOTEST
An Environmental Monitoring
and Testing Service

Post Office Box 9391, Long Beach, California 90809-0391 (310) 498-9515 (800) 824-5744

LABORATORY REPORT

CHEVRON
P.O. BOX 2833
LA HABRA, CA 90632

COPIES TO: MARIO BAUTISTA
REPORT TO: CARL LINO, BECHTEL

PROJECT NAME: CHEVRON 09-8616
9877 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED: 04/01/93
DATE RECEIVED: 04/01/93
DATE ANALYZED: 04/01/93
SAMPLE MATRIX: SOIL
CLIENT ID : 2168B-01Z
GEOTEST PROJECT NO.: 9352-18
ANALYSES: TPH-G

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
TPF-13	4.8	1.0
TPF-17	ND	1.0
TRT13	ND	1.0
TRT17	ND	1.0
TRF13	1.5	1.0
TRF17	ND	1.0
SPA1	40	1.0
SPA2	ND	1.0
SPA3	1500	1.0
SPA4	9.6	1.0
SPB-1	41	1.0
SPB-2	1.7	1.0

ND - Not detected below indicated limit of detection.

Analyst: AM, RP

Reviewed and Approved: _____

Report date 4/15/93

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - GASOLINE

GEOTEST CLIENT NAME: CHEVRON
GEOTEST PROJECT NO: 93624-18
GEOTEST PROJECT NAME: CHEVRON #9-8616
DATE ANALYZED:04/01/93
SAMPLE MATRIX:SOIL

ELAP Certification #1225
Analyses prep method:5030
Analyses method:DHS TPH-G

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	1.0

	% ACCURACY	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	96	70 - 130

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE	92	70 - 130

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	89	70 - 130

	RELATIVE PERCENT DIFFERENCE	ACCEPTABLE RANGE %
	3.3	0 - 25

Checked and Approved: _____

Report Date: 4/8/93

ORIGINAL
JUN 18 '93 10:51AM BECHTEL 310-807-3456 P.8

GEOTEST
An Environmental Monitoring
and Testing Service

Post Office Box 9091, Long Beach, California 90809-0911 (310) 498-9515 (800) 824-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - GASOLINE

GEOTEST CLIENT NAME: CHEVRON
GEOTEST PROJECT NO: 93524-10
GEOTEST PROJECT NAME: CHEVRON #9-9610
DATE ANALYZED:04/01/93
SAMPLE MATRIX:SOIL

ELAP Certification #1225
Analyses prep method:5030
Analyses method:DHS TPH-G

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	1.0
	% ACCURACY	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	96	70 - 130
	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE	92	70 - 130
	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	89	70 - 130
	RELATIVE PERCENT DIFFERENCE	ACCEPTABLE RANGE %
	3.3	0 - 25

Checked and Approved:

Report Date: 4/15/93

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - GASOLINE

GEOTEST CLIENT NAME:	CHEVRON	ELAP Certification #1225
GEOTEST PROJECT NO:	93624-18	Analyses prep method:5030
GEOTEST PROJECT NAME:	CHEVRON #9-8616	Analyses method:DHS TPH-G
DATE ANALYZED:04/01/93		
SAMPLE MATRIX:SOIL		

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	1.0

	% ACCURACY	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	95	70 - 130

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE	99	70 - 130

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	96	70 - 130

	RELATIVE PERCENT DIFFERENCE	ACCEPTABLE RANGE %
	3.1	0 - 25

Checked and Approved: _____

Report Date: 4/8/93

GEOTEST
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and Testing Service

Post Office Box 9091, Long Beach, California 90809-0911 (310) 498-9818 (800) 824-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - GASOLINE

GEOTEST CLIENT NAME: CHEVRON
GEOTEST PROJECT NO.: 9585-4-18
GEOTEST PROJECT NAME: CHEVRON #9-0816
DATE ANALYZED: 04/01/93
SAMPLE MATRIX: SOIL

ELAP Certification #1255
Analyses prep method: 5030
Analyses method: OHS TPH-G

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	1.0

	ACCURACY %	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	95	70 - 130

	RECOVERY %	ACCEPTABLE RANGE %
MATRIX SPIKE	59	70 - 130

	RECOVERY %	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	96	70 - 130

	RELATIVE PERCENT DIFFERENCE %	ACCEPTABLE RANGE %
	3.1	0 - 25

Checked and Approved:

Report Date: 4/9/93

GEOTEST
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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - GASOLINE

GEOTEST CLIENT NAME: CHEVRON
GEOTEST PROJECT NO: 93624-18
GEOTEST PROJECT NAME: CHEVRON #9-8616
DATE ANALYZED:04/01/93
SAMPLE MATRIX:SOIL

ELAP Certification #1225
Analyses prep method:5030
Analyses method:DHS TPH-G

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	1.0

	% ACCURACY	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	94	70 - 130

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE	98	70 - 130

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	99	70 - 130

	RELATIVE PERCENT DIFFERENCE	ACCEPTABLE RANGE %
	1.0	0 - 25

Checked and Approved: _____

Report Date: 4/8/93

JUN 18 '93 10:52AM BECHTEL 310-807-3456 P.10
ORIGINAL

GEOTEST
An Environmental Monitoring and Testing Service
Post Office Box 60911, Long Beach, California 90809-0911 (310) 498-9519 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - GASOLINE

GEOTEST CLIENT NAME: CHEVRON ELAP Certification #1225
GEOTEST PROJECT NO: 93624-18 Analyses prep method:5030
GEOTEST PROJECT NAME: CHEVRON 69-8616 Analyses method:DHS TPH-G
DATE ANALYZED:04/01/93
SAMPLE MATRIX:SOIL

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	1.0
	% ACCURACY	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	94	70 - 130
	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE	98	70 - 130
	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	99	70 - 130
	RELATIVE PERCENT DIFFERENCE	ACCEPTABLE RANGE %
	1.0	0 - 25

Checked and Approved: [signature]

Report Date: 4/8/93

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

LABORATORY REPORT

CHEVRON
P.O. BOX 2833
LA HABRA, CA 90632

COPIES TO: MARIO BAUTISTA
REPORT TO: CARL LIND, BECHTEL

DATE SAMPLED : 04/01/93
DATE RECEIVED: 04/01/93
DATE ANALYZED: 04/01/93
SAMPLE MATRIX: SOIL
CLIENT ID : 21582-012
GEOTEST PROJECT NO.: 93624-18
ANALYSES: BTEX

PROJECT NAME: CHEVRON #9-8616
LOCATION: 8977 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF ORGANIC AROMATICS
EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
D1-2	34	320	130	660
D1-6	ND	0.026	0.008	0.11
D2-2	ND	ND	ND	0.028
D2-6	0.009	0.066	0.009	0.12
P1-2	ND	ND	ND	ND
P1-6	ND	ND	ND	ND
D3-2	2.6	50	22	180
D3-6	ND	0.021	0.007	0.060
P2-2	18	220	110	1000
P2-6	ND	0.039	0.044	0.47
P3-2	ND	ND	ND	ND

ND - Not detected below indicated limit of detection.

Analyst: AM, DR, RF

Reviewed and Approved: [signature]
Report date: 4/16/93

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GEOTEST
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Post Office Box 90911, Long Beach, California 90809-0911 (310) 496-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

CHEVRON
P.O. BOX 2833
LA HABRA, CA 90632

COPIES TO: MARIO BAUTISTA
REPORT TO: CARL LIND, BECHTEL

DATE SAMPLED : 04/01/93
DATE RECEIVED: 04/01/93
DATE ANALYZED: 04/01/93
SAMPLE MATRIX: SOIL
CLIENT ID : 21582-012
GEOTEST PROJECT NO.: 93524-18
ANALYSES: BTEX

PROJECT NAME: CHEVRON #9-8616
LOCATION: 8977 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF ORGANIC AROMATICS
EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
D1-2	34	320	130	660
D1-6	ND	0.026	0.008	0.11
D2-2	ND	ND	ND	0.028
D2-6	0.009	0.056	0.009	0.12
P1-2	ND	ND	ND	ND
P1-6	ND	ND	ND	ND
D3-2	2.5	50	22	180
D3-6	ND	0.321	0.007	0.060
P2-2	18	220	110	1000
P2-6	ND	0.039	0.044	0.47
P3-2	ND	ND	ND	ND

ND - Not detected below indicated limit of detection.

Analyst: AM, DR, RF Reviewed and Approved: [signature]
Report date: 4/8/93

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LABORATORY REPORT

CHEVRON
P.O. BOX 2833
LA HABRA, CA 90632

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REPORT TO: CARL LIND, BECHTEL

DATE SAMPLED : 04/01/93
DATE RECEIVED: 04/01/93
DATE ANALYZED: 04/01/93
SAMPLE MATRIX: SOIL
CLIENT ID : 21582-012
GEOTEST PROJECT NO.: 93624-18
ANALYSES: BTEX

PROJECT NAME: CHEVRON #9-8616
LOCATION: 8977 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF ORGANIC AROMATICS
EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
P3-6	ND	0.014	0.037	0.52
D4-2	0.008	0.020	ND	0.18
D4-6	ND	0.005	ND	0.016
D5-2	ND	ND	ND	0.062
D5-6	ND	ND	ND	ND
TST-13	ND	ND	ND	0.047
TST-17	0.11	4.2	43	2700
TPT-13	ND	ND	ND	ND
TPT-17	ND	ND	ND	ND
TSF-13	ND	ND	ND	ND
TSF-17	ND	ND	0.005	ND
TPM13	ND	ND	ND	0.13
TPM17	ND	ND	ND	ND

ND - Not detected below indicated limit of detection

Analyst: AM

Reviewed and Approved: _____
Report date: 4/5/93

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ORIGINAL
JUN 18 '93 10:53AM BECHTEL 310-807-3456 P.12

GEOTEST
An Environmental Monitoring
and Testing Service

Post Office Box 8091, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

CHEVRON
P.O. BOX 2837
LA HABRA, CA 90632

COPIES TO: MARIO BAUTISTA
REPORT TO: CARL LIND, BECHTEL

PROJECT NAME: CHEVRON 95-9616
LOCATION: 8977 GRAPEVINE ROAD
LEGEC, CA

DATE SAMPLED : 04/01/93
DATE RECEIVED: 04/01/93
DATE ANALYZED: 04/01/93
SAMPLE MATRIX: SOIL
CLIENT ID : 2158Z-012
GEOTEST PROJECT NO.: 9362A-18
ANALYSES: BTEX

ANALYSIS OF ORGANIC AROMATICS
EPA METHOD 8020

SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
P2-S	ND	5.014	0.037	0.52
D4-2	0.008	0.029	ND	0.18
D4-8	ND	0.005	ND	0.016
D5-2	ND	ND	ND	0.652
D5-8	ND	ND	ND	ND
TST-13	ND	ND	ND	0.047
TST-17	0.11	4.2	43	2700
TPT-13	ND	ND	ND	ND
TPT-17	ND	ND	ND	ND
TSP-13	ND	ND	ND	ND
TSP-17	ND	ND	0.005	ND
TPM13	ND	ND	ND	0.13
TPM17	ND	ND	ND	ND

ND - Not detected below indicated limit of detection.

Analyst: AM Reviewed and Approved: _____
Report date: 4/13/93

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LABORATORY REPORT

CHEVRON
P.O. BOX 2833
LA HABRA, CA 90632

COPIES TO: MARIO BAUTISTA
REPORT TO: CARL LIND, BECHTEL

DATE SAMPLED : 04/01/93
DATE RECEIVED: 04/01/93
DATE ANALYZED: 04/01/93
SAMPLE MATRIX: SOIL
CLIENT ID : 21582-012
GEOTEST PROJECT NO.: 93624-18
ANALYSES: BTEX

PROJECT NAME: CHEVRON #9-8616
LOCATION: 8977 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF ORGANIC AROMATICS
EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
TPF-13	ND	ND	ND	0.015
TPF-17	ND	0.008	0.007	0.027
TRT13	ND	ND	ND	ND
TRT17	ND	ND	ND	ND
TRF13	ND	ND	ND	0.099
TRF17	ND	ND	ND	ND
SPA1	ND	0.067	0.18	1.2
SPA2	ND	ND	ND	0.015
SPA3	10	150	41	250
SPA4	ND	ND	ND	0.49
SPB-1	ND	0.006	0.014	0.15
SPB-2	ND	0.014	0.017	0.058

ND - Not detected below indicated limit of detection.

Analyst: AM Reviewed and Approved: _____
Report date: 4/5/93

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 9037, Long Beach, California 90809-0037 (310) 498-9515 (800) 824-5724

L A B O R A T O R Y R E P O R T

CHEVRON
P.O. BOX 2833
LA HABRA, CA 90632

COPIES TO: MARIO BAUTISTA
REPORT TO: CARL LIND, BECHTEL

PROJECT NAME: CHEVRON 99-8816
LOCATION: 8977 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED : 04/01/93
DATE RECEIVED: 04/01/93
DATE ANALYZED: 04/01/93
SAMPLE MATRIX: SOIL
CLIENT ID : 21982-012
GEOTEST PROJECT NO.: 99524-18
ANALYSES: BTEX

ANALYSIS OF ORGANIC AROMATICS
EPA METHOD 8020

COMPONENTS / DETECTION LIMITS	BENZENE (mg/kg) 0.005	TOLUENE (mg/kg) 0.005	ETHYLBENZENE (mg/kg) 0.005	TOTAL XYLENES (mg/kg) 0.015
SAMPLE ID				
TPP-13	ND	ND	ND	0.015
TPP-17	ND	0.008	0.007	0.027
TRT13	ND	ND	ND	ND
TRT17	ND	ND	ND	ND
TRF13	ND	ND	ND	0.099
TRF17	ND	ND	ND	ND
SPA1	ND	0.067	0.18	1.2
SPA2	ND	ND	ND	0.015
SPA3	10	150	41	260
SPA4	ND	ND	ND	0.49
SPB-1	ND	0.006	0.014	0.15
SPB-2	ND	0.014	0.017	0.088

ND - Not detected below indicated limit of detection.

Analyst: AM Reviewed and Approved: _____
Report date: 4/7/93

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GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF BTEX BY GC/PID

GEOTEST CLIENT NAME: CHEVRON
GEOTEST PROJECT NO: 93624-18
GEOTEST PROJECT NAME: CHEVRON #9-8616
DATE ANALYZED: 04/01/93
SAMPLE MATRIX: SOIL

ELAP Certification #1225
Analyses prep method:5030
Analyses method:8020

METHOD BLANK	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
Benzene	ND	0.005
Toluene	ND	0.005
Ethylbenzene	ND	0.005
Total Xylenes	ND	0.015

LABORATORY CONTROL STANDARD	% ACCURACY	ACCEPTABLE RANGE %
Benzene	94	70-130
Toluene	95	70-130
Ethylbenzene	93	70-130
Total Xylenes	90	70-130

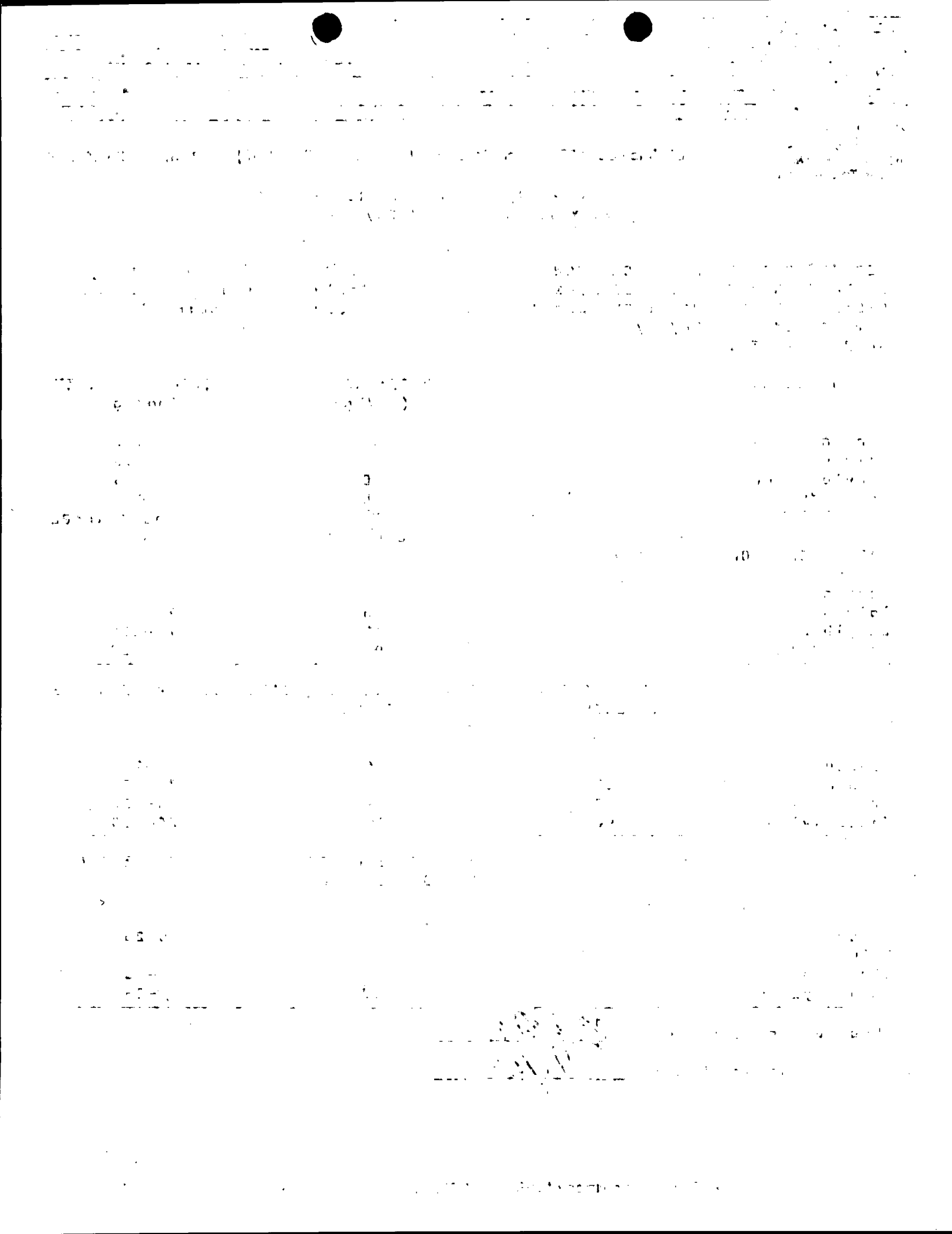
	MATRIX SPIKE % RECOVERY	MATRIX SPIKE DUPLICATE % RECOVERY	ACCEPTABLE RANGE %
Benzene	90	90	70-130
Toluene	88	88	70-130
Ethylbenzene	90	90	70-130
Total Xylenes	90	86	70-130

	RELATIVE PERCENT DIFFERENCE	ACCEPTABLE RANGE %
Benzene	0	0-25
Toluene	0	0-25
Ethylbenzene	0	0-25
Total Xylenes	4.5	0-25

Checked and Approved: _____

Report Date: 4/8/93

ORIGINAL
JUN 18 '93 10:54AM BECHTEL 310-807-3456 P.14



GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF BTEX BY GC/PID

GEOTEST CLIENT NAME: CHEVRON
GEOTEST PROJECT NO: 93624-18
GEOTEST PROJECT NAME: CHEVRON #9-8616
DATE ANALYZED: 04/01/93
SAMPLE MATRIX: SOIL

ELAP Certification #1225
Analyses prep method:5030
Analyses method:8020

METHOD BLANK	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
Benzene	ND	0.005
Toluene	ND	0.005
Ethylbenzene	ND	0.005
Total Xylenes	ND	0.015

LABORATORY CONTROL STANDARD	% ACCURACY	ACCEPTABLE RANGE %
Benzene	78	70-130
Toluene	85	70-130
Ethylbenzene	86	70-130
Total Xylenes	90	70-130

	MATRIX SPIKE % RECOVERY	MATRIX SPIKE DUPLICATE % RECOVERY	ACCEPTABLE RANGE %
Benzene	94	95	70-130
Toluene	92	93	70-130
Ethylbenzene	92	92	70-130
Total Xylenes	96	97	70-130

	RELATIVE PERCENT DIFFERENCE	ACCEPTABLE RANGE %
Benzene	1.0	0-25
Toluene	1.0	0-25
Ethylbenzene	0	0-25
Total Xylenes	1.0	0-25

Checked and Approved: _____

Report Date: 4/8/93

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

CHEVRON
P.O. BOX 2833
LA HABRA, CA 908632

COPIES TO: MARIO BAUTISTA
REPORT TO: CARL LIND, BECHTEL

DATE SAMPLED : 04/01/93
DATE RECEIVED: 04/01/93
DATE ANALYZED: 04/05/93
SAMPLE MATRIX: SOIL
CLIENT ID : 21582-012
GEOTEST PROJECT NO.: 93624-18
ANALYSES: 6010

PROJECT NAME: CHEVRON #9-8616
LOCATION: 8977 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF LEAD BY ICP
EPA METHOD 6010

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
TUM12	2.3	1.0
TUM15	ND	1.0

ND - Not detected below indicated limit of detection.

Analyst: VN

Reviewed and Approved: [signature]
Report date: 4/8/93

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring
and Testing Service

Post Office Box 6097, Long Beach, California 90806-0911 (310) 498-9815 (800) 824-5744

L A B O R A T O R Y R E P O R T

CHEVRON
P.O. BOX 2833
LA HABRA, CA 90832

COPIES TO: MARIO BAUTISTA
REPORT TO: CARL LIND, BECHTEL

PROJECT NAME: CHEVRON 98-8818
LOCATION: 8977 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED : 04/01/93
DATE RECEIVED: 04/01/93
DATE ANALYZED: 04/08/93
SAMPLE MATRIX: SOIL
CLIENT ID : 21582-012
GEOTEST PROJECT NO.: 89824-18
ANALYSES: 6010

ANALYSIS OF LEAD BY ICP
EPA METHOD 6010

SAMPLE ID	RESULTS (mg/Kg)	DETECTION LIMIT (mg/Kg)
TUM12	2.3	1.0
TUM15	ND	1.0

ND - Not detected below indicated limit of detection.

Analyst: VN Reviewed and Approved: _____
Report date: 4/8/93

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the clients to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF LEAD BY ICP EPA METHOD 6010

GEOTEST CLIENT NAME: CHEVRON
GEOTEST PROJECT NO: 93624-18
GEOTEST PROJECT NAME: CHEVRON #9-8616
DATE ANALYZED: 04/05/93
SAMPLE MATRIX: SOIL

ELAP certification #1225
Analyses method: 6010

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	1.0

	% ACCURACY	ACCEPTABLE RANGE %
INTERNAL CALIBRATION VERIFICATION	98	90 - 110

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE	83	70 - 130

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	84	70 - 130

	RELATIVE PERCENT DIFFERENCE	ACCEPTABLE RANGE %
	1.0	0 - 25

Checked and Approved: _____

Report Date: 4/18/93

GEOTEST
An Environmental Monitoring
and Testing Service

Post Office Box 90271, Long Beach, California 90809-0271 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF LEAD BY ICP EPA METHOD 3010

GEOTEST CLIENT NAME: CHEVRON
GEOTEST PROJECT NO: 9362-18
GEOTEST PROJECT NAME: CHEVRON 08-9815
DATE ANALYZED: 04/05/93
SAMPLE MATRIX: SOIL

ELAP certification #1225
Analyses method: 6010

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	1.0
	% ACCURACY	ACCEPTABLE RANGE %
INTERNAL CALIBRATION VERIFICATION #6		90 - 110
	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE	B3	70 - 130
	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	B4	70 - 130
	RELATIVE PERCENT DIFFERENCE	ACCEPTABLE RANGE %
	1.0	0 - 25

Checked and Approved: _____

Report Date: 4/8/93

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

L A B O R A T O R Y R E P O R T

CHEVRON
P.O. BOX 2833
LA HABRA, CA 908632

COPIES TO: MARIO BAUTISTA
REPORT TO: CARL LIND, BECHTEL

DATE SAMPLED : 04/01/93
DATE RECEIVED: 04/01/93
DATE ANALYZED: 04/01/93
SAMPLE MATRIX: SOIL
CLIENT ID : 21582-012
GEOTEST PROJECT NO.: 93624-18
ANALYSES: 418.1

PROJECT NAME: CHEVRON #9-8616
LOCATION: 8977 GRAPEVINE ROAD
LEBEC, CA

ANALYSIS OF HYDROCARBON CONTENT BY INFRARED SPECTROMETRY EPA METHOD 418.1

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
TUM12	ND	10
TUM15	ND	10
H1-11	ND	10
H2-10	60	10
SPC-1	ND	10

ND - Not detected below indicated limit of detection.

Analyst: AM

Reviewed and Approved: _____
Report date: 4/6/93

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring
and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-8815 (800) 624-5744

LABORATORY REPORT

CHEVRON
P.O. BOX 2283
LA HABRA, CA 90632

COPIES TO: MARIO DAUTISTA
REPORT TO: CARL LIND, BECHTEL

PROJECT NAME: CHEVRON C9-8516
LOCATION: 6577 GRAPEVINE ROAD
LEBEC, CA

DATE SAMPLED : 04/01/93
DATE RECEIVED: 04/01/93
DATE ANALYZED: 04/01/93
SAMPLE MATRIX: SOIL
CLIENT ID : 2158Z-01Z
GEOTEST PROJECT NO.: 9858Z4-13
ANALYSES: 418.1

ANALYSIS OF HYDROCARBON CONTENT BY INFRARED SPECTROMETRY
EPA METHOD 418.1

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
TUM12	ND	10
TUM13	ND	10
H1-11	ND	10
H2-10	60	10
SPC-1	ND	10

ND - Not detected below indicated limit of detection.

Analyst: AM Reviewed and Approved:
Report date:

This report pertains only to the sample investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
EPA METHOD 418.1

GEOTEST CLIENT NAME: CHEVRON
GEOTEST PROJECT NO: 93624-18
GEOTEST PROJECT NAME: CHEVRON #9-8616
DATE ANALYZED: 04/01/93
SAMPLE MATRIX: SOIL

ELAP certification #1225
Analyses method: 418.1

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	10

	% ACCURACY	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	105	70 - 130

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE	103	70 - 130

	% RECOVERY	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	103	70 - 130

	RELATIVE PERCENT DIFFERENCE	ACCEPTABLE RANGE %
	0	0 - 25

Checked and Approved: _____

Report Date: 4/8/93

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 9097 1, Long Beach, California 90809-0971 (310) 498-9815 (800) 824-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
EPA METHOD 418.1

GEOTEST CLIENT NAME: CHEVRON
GEOTEST PROJECT NO: 9332-18
GEOTEST PROJECT NAME: CHEVRON #9-8615
DATE ANALYZED: 04/01/93
SAMPLE MATRIX: SOIL

ELAP certification #1229
Analysis method: 418.1

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	10

	% ACCURACY	% ACCEPTABLE RANGE
LABORATORY CONTROL STANDARD	105	70 - 130

	% RECOVERY	% ACCEPTABLE RANGE
MATRIX SPIKE	103	70 - 130

	% RECOVERY	% ACCEPTABLE RANGE
MATRIX SPIKE DUPLICATE	103	70 - 130

	RELATIVE PERCENT DIFFERENCE	% ACCEPTABLE RANGE
	0	0 - 25

Checked and Approved:

Report Date: 4/8/93

CRIGINAL

WO# 6164 A-C
MI 102 / 104

(1)

CHAIN-OF-CUSTODY RECORD

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

PROJECT NAME CICT / BEI-CUSA
PROJECT I.D. No. 21582-012
CONSULTANT NAME Bechtel Environmental, Inc.
ADDRESS 12440 E. Imperial Hwy, Norwalk
PROJECT CONTACT (NAME) Carl J. Lind
(PHONE) (310) 694-9302
CHEVRON FACILITY No. 9-8616
CHEVRON CONTACT (NAME) Maria Bautista
(PHONE) (310) 694-7289

LABORATORY NAME Geotest / Mobil
CONTRACT NUMBER
COLLECTED BY (NAME) Carl J. Lind
(SIGNATURE) Carl J. Lind
COLLECTION DATE April 1, 1993

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	METALS (LEAD), Total	OTHER	Total Organic Halides		DETECTION LIMIT	REMARKS
TUM12		1	✓		✓		4-1			X		✓	~~X~~		X		X			
TUM15		1	✓		✓							✓	~~X~~		X		X			
D1-2											✓		✓							
D1-6											✓		✓							
D2-2											✓		✓							
D2-6											✓		✓							
P1-2											✓		✓							
P1-6											✓		✓							
D3-2											✓		✓							
D3-6											✓		✓							
P2-2											✓		✓							
P2-6							↓			↓	✓		✓							
P3-2							4-1			X	✓		✓							

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
[signature]	BEI	4-1 | 4:55p	[signature]	GEOTEST	4/1/93 1700
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
[signature]	GEOTEST	4/2/93 1600			
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME
			[signature]		4/2/93 1600

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS

Normal

P.20
JUN 18 '93 10:56AM BECHTEL 310-807-3456

CHAIN-OF-CUSTODY RECORD

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

PROJECT NAME: GTCI / DEI-CUSA
PROJECT I.D. No.: 21587-012
CONSULTANT NAME: Decker Environmental Inc.
ADDRESS: 12440 E. Imperial Hwy Norwalk
PROJECT CONTACT (NAME): Carl I. Lind
(PHONE) (213) 677-8302
CHEVRON FACILITY No.: 9-8616
CHEVRON CONTACT (NAME): Mario Barberio
(PHONE) (213) 694-7381

LABORATORY NAME: Geotest / Mobil
CONTRACT NUMBER:
COLLECTED BY (NAME): Carl I. Lind
(SIGNATURE): [signature]
COLLECTION DATE: April 1, 1983

Mobil 104/105 M

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED		MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES-BTXE	EPA 602 AROMATIC VOLATILES-BTXE	METALS (LEAD) Total	OTHER	Total Organic Halides		DETECTION LIMIT	REMARKS
P3-2							4-1			X		✓		✓							
P5-6							↑			↑		✓		✓							
P5-2												✓		✓							
D3-6												✓		✓							
D3-2												✓		✓							
P1-6												✓		✓							
P1-2												✓		✓							
D5-6												✓		✓							
D5-2												✓		✓							
D1-6												✓		✓							
D1-2												✓		✓							
TOW/15		1	✓		✓								✓	Ack		X		X			
TOW/12		1	✓		✓		4-1			X			✓	Ack		X		X			

ANALYSES TO BE PERFORMED

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
[signature]	DEI	4-1 / 4:30	[signature]	GEOTEST	4/1/83
[signature]	GEOTEST	4/1/83	RECEIVED FOR LABORATORY BY (Signature): [signature]		4/1/83

TURN AROUND TIME (CIRCLE CHOICE): 24 HRS, 48 HRS, 5 DAYS, 10 DAYS

P.21

JUN 18 '93 10:57AM BECHTEL 310-807-3456

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

PROJECT NAME CJCT / BEI - CUSA
PROJECT E.D. No. 21552-012
CONSULTANT NAME Bechtel Environmental, Inc.
ADDRESS 12440 E. Imperial Hwy., Norwalk, CA
PROJECT CONTACT (NAME) Carl J. Lind
PHONE (310) 694-9302
CHEVRON FACILITY No. 7-8616
CHEVRON CONTACT (NAME) Mario Bautista
PHONE (310) 694-7299

LABORATORY NAME Geotest
CONTRACT NUMBER
COLLECTED BY (NAME) Carl J. Lind
SIGNATURE
COLLECTION DATE April 1, 1992

CHAIN-OF-CUSTOD RECOR

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
P3-6			X		X		4-1			X	✓		✓							
D4-2			↓		↓		↓			↓	✓		✓							
D4-6			↓		↓		↓			↓	✓		✓							
D5-2			↓		↓		↓			↓	✓		✓							
D5-6			↓		↓		↓			↓	✓		✓							
TST-13			↓		↓		↓			↓	✓		✓							
TST-17			↓		↓		↓			↓	✓		✓							
TPT-13			↓		↓		↓			↓	✓		✓							
TPT-17			↓		↓		↓			↓	✓		✓							
TSF-13			↓		↓		↓			↓	✓		✓							
TSF-17			↓		↓		↓			↓	✓		✓							
TPM13			↓		↓		↓			↓	/		/							
TPM17			X		X		X			X	/		/							

ANALYSES TO BE PERFORMED

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
	BEI	4-1 / 4:55		GEOTEST	4/1/93 1655
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
	GEOTEST	4/2/93 1600			
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME
					4/2/93 1600

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS. 5 DAYS
48 HRS 10 DAYS

CHEVRON USA Inc.
P.O. BOX 5838
LA HABRA, CA
562-690-5838

PROJECT NAME [illegible]
PROJECT NO. [illegible]
CONSULTANT NAME [illegible]
ADDRESS [illegible]
PROJECT CONTACT (NAME / PHONE) [illegible]
SAMPLED BY (NAME / PHONE) [illegible]
CHEVRON CONTACT (NAME / PHONE) [illegible]
CHEVRON FACILITY ID # [illegible]

SAMPLE NO	LAB NO	NUMBER OF CONTAINERS	MATRIX: SOIL	WATER	GRAB	COMPOSITE	DATE	TIME	ACID PRES.	ICED	TOTAL PETRO. HYDROCARB. (8015 MOD. OR 8260)	TOTAL RECOVERABLE PETROLEUM HYDROCARB. (E.P.A. 418.1)	AROMATIC VOLATILES - BTXE (EPA 8020)	AROMATIC VOLATILES - BTXE (EPA 602)	METALS ( )	OTHER	DETECTION LIMIT			REMARKS
TB	S-1	1	X		X		11-1			X	X		X	X						
B1	S-2	1	X		X						X		X	X						
B2	S-3	1	X		X						X		X	X						
B3	S-4	1	X		X						X		X	X						
B4	S-5	1	X		X						X		X	X						
B5	S-6	1	X		X						X		X	X						
B6	S-7	1	X		X						X		X	X						
B7	S-8	1	X		X						X		X	X						
B8	S-9	1	X		X						X		X	X						
B9	S-10	1	X		X						X		X	X						
B10	S-11	1	X		X						X		X	X						
B11	S-12	1	X		X						X		X	X						
B12	S-13	1	X		X						X		X	X						
B13	S-14	1	X		X						X		X	X						
B14	S-15	1	X		X						X		X	X						
B15	S-16	1	X		X						X		X	X						

ANALYSES TO BE PERFORMED

RELINQUISHED BY (Signature) [illegible] DATE/TIME [illegible]
RECEIVED BY (Signature) [illegible] DATE/TIME [illegible]
RELINQUISHED BY (Signature) [illegible] DATE/TIME [illegible]
RECEIVED BY (Signature) [illegible] DATE/TIME [illegible]
RELINQUISHED BY (Signature) [illegible] DATE/TIME [illegible]
RECEIVED BY (Signature) [illegible] DATE/TIME [illegible]
LABORATORY NAME [illegible] ORGANIZATION [illegible]
RECEIVED FOR LABORATORY BY (Signature) [illegible] DATE/TIME [illegible]

TURN AROUND TIME
RUSH: 24 HRS. 48 HRS.
EXPEDITED: 5 DAYS
NORMAL: 10 DAYS
SPECIAL INSTRUCTIONS/COMMENTS (e.g. Specify Detection Limits Required)

CHAIN-OF-CUSTODY RECORD

(3)

CHEVRON USA, Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

PROJECT NAME CJCJ/BEI - CUSA
PROJECT I.D. No. 21582-012
CONSULTANT NAME BECHTEL ENVIRONMENTAL, INC.
ADDRESS 12440 E. Imperial Hwy., Norwalk
PROJECT CONTACT (NAME) Carl J. Lind
(PHONE) (310) 694-9302
CHEVRON FACILITY No. 9-8616
CHEVRON CONTACT (NAME) Mario Bautista
(PHONE) (310) 694-7299

LABORATORY NAME GEOTEST
CONTRACT NUMBER
COLLECTED BY (NAME) Carl J. Lind
(SIGNATURE) [signature]
COLLECTION DATE April 1, 1993

CHAIN-OF-CUSTOD
RECOF

ANALYSES TO BE PERFORMED

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX SOIL	MATRIX WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED		MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES-BTXE	EPA 602 AROMATIC VOLATILES-BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
TPE-13			X		X		4-1			X		✓		✓							
TPE17												✓		✓							
TRT13												✓		✓							
TRT17												✓		✓							
TRF13												✓		✓							
TRF17												✓		✓							
H1-11													✓								
H2-10													✓								
SPC-1													✓								
SPA1												✓		✓							
SPA2												✓		✓							
SPA3												✓		✓							
SPA4			X		X		4-1			X		✓		✓							

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
[signature]	BEI	4-1 // 4:55	[signature]	GEOTEST	4/1/93 1655
[signature]	GEOTEST	4/2/93 1600			
			[signature]		4/2/93 1600

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS
[illegible]

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

PROJECT NAME CJCT/BEI - CHSA
PROJECT I.D. No. 21553-012
CONSULTANT NAME BECHTEL ENVIRONMENTAL, INC
ADDRESS 12440 E. Imperial Hwy., Norwalk
PROJECT CONTACT (NAME) Carl J. Lind
(PHONE) (310) 694-9302
CHEVRON FACILITY No. 9-8616
CHEVRON CONTACT (NAME) Mario Bautista
(PHONE) (310) 694-7299

LABORATORY NAME Geotest
CONTRACT NUMBER
COLLECTED BY (NAME) Carl J. Lind
(SIGNATURE) [signature]
COLLECTION DATE April 4, 1993

CHAIN-OF-CUSTO
RECO

ANALYSES TO BE PERFORMED

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX SOIL	MATRIX WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED		MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
SPB-1			X		X		4-1			X		✓		✓							
SPB-2			X		X		4-1			X		✓		✓							

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
[signature]	BEI	4-1 // 4:55p	[signature]	GEOTEST	4/1/93 1655
[signature]	GEOTEST	4/2/93 1600			
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME
			[signature]		4/2/93 1602

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS
[illegible]

Western Atlas International
A Litton Dresser Company

CORE LABORATORIES

CORE LABORATORIES
A N A L Y T I C A L R E P O R T

Job Number: 930714
Prepared For:

GEOTEST
Dr. Robert Clark
3960 E. Gilman Street
Long Beach, CA 90815

Signature

4-14-93
Date:

Steven A. Hensen
Laboratory Manager

Signature

4/14/93
Date:

Nick C. Adolfo
QA/QC Coordinator

Core Laboratories
1250 Gene Autry Way
Anaheim, California 92805
(714) 937-1094

California Environmental Laboratory Accreditation Program Laboratory Number 1174

Los Angeles County Sanitation District Laboratory Number 10146

JUN 18 '93 10:58AM BECHTEL 310-807-3456 P.24

CORE LABORATORIES

Western Atlas International

CORE LABORATORIES
ANALYTICAL REPORT

Job Number: 930714
Prepared For:

GEOTEST
Dr. Robert Clark
3960 E. Gilman Street
Long Beach, CA 90815

Signature

Date: 7-14-93

Steven A. Hunsen
Laboratory Manager

Signature

Date: 7/14/93

Nick C. Adolfo
QA/QC Coordinator

Core Laboratories
1250 Gene Autry Way
Anaheim, California 92805
(714) 937-1094

California Environmental Laboratory Accreditation Program Labo-atory Number 1776

Los Angeles County Sanitation District Laboratory Number 10146

Western Atlas International
A Litton Dresser Company

CORE LABORATORIES

LABORATORY TESTS RESULTS
04/13/93

JOB NUMBER: 930714 CUSTOMER: GEOTEST ATTN: Dr. Robert Clark

SAMPLE NUMBER: 1 DATE RECEIVED: 04/06/93 TIME RECEIVED: 10:00 SAMPLE DATE: 04/01/93 SAMPLE TIME: 00:00

PROJECT: 93624-18 SAMPLE: TUM 12 REM: 1, 4OZ-GLS-SOIL

SAMPLE NUMBER: 2 DATE RECEIVED: 04/06/93 TIME RECEIVED: 10:00 SAMPLE DATE: 04/01/93 SAMPLE TIME: 00:00

PROJECT: 93624-18 SAMPLE: TUM 15 REM: 1, 4OZ-GLS-SOIL

TEST DESCRIPTION	SAMPLE 1	SAMPLE 2					UNITS OF MEASURE
Total Organic Halogens	<10	<10					mg/kg

1250 Gene Autry Way
Anaheim, CA 92805
(714) 937-1094

JUN 18 '93 10:59AM BECHTEL 310-807-3456 P.25

CORE LABORATORIES

Western Atlas International

LABORATORY TESTS RESULTS
04/13/93

JOB NUMBER: 93071A CUSTOMER: UCOTEST ATTN: Dr. Robert Clark

SAMPLE NUMBER: 1 DATE RECEIVED: 04/06/93 TIME RECEIVED: 10:00 SAMPLE DATE: 04/01/93 SAMPLE TIME: 00:00

PROJECT: 93624-18 SAMPLE: TUM 12 REM: 1, 4OZ-CLS-SOIL

SAMPLE NUMBER: 2 DATE RECEIVED: 04/06/93 TIME RECEIVED: 10:00 SAMPLE DATE: 04/01/93 SAMPLE TIME: 00:00

PROJECT: 93624-18 SAMPLE: TUM 13 REM: 1, 4OZ-CLS-SOIL

TEST DESCRIPTION	SAMPLE 1	SAMPLE 2				UNITS OF MEASURE
Total Organic Halogens	<10	<10				mg/kg

1250 Quail Abbey Way
Anaheim, CA 92805
(714) 937-1094

Western Atlas International
A Litton Dresser Company

CORE LABORATORIES

QUALITY ASSURANCE REPORT
04/13/93

JOB NUMBER: 930714 CUSTOMER: GEOTEST ATTN: Dr. Robert Clark

ANALYSIS				DUPLICATES		REFERENCE STANDARDS		MATRIX SPIKES		
ANALYSIS TYPE	ANALYSIS SUB-TYPE	ANALYSIS I.D.	ANALYZED VALUE (A)	DUPLICATE VALUE (B)	RPD or (|A-B|)	TRUE VALUE	PERCENT RECOVERY	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY
PARAMETER:Total Organic Halogens				DATE/TIME ANALYZED:04/12/93 15:16						QC BATCH NUMBER:927221
REPORTING LIMIT/DF: 10		UNITS:mg/kg		METHOD REFERENCE :EPA 9020 (modified)						TECHNICIAN:VB
BLANK	METHOD	041293	<10							
STANDARD	LCS	WI20056	1000			1000	100			
SPIKE	MATRIX	930714-1	750					0	1000	75
DUPLICATE	MATRIX	930714-2	<10	<10	NC					

1250 Gene Autry Way
Anaheim, CA 92805
(714) 937-1094

JUN 18 '93 10:59AM BECHTEL 310-807-3456 P.26

Western Atlas International

CORE LABORATORIES

QUALITY ASSURANCE FOOTER

All methods are taken from one of the following references:

(1) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, November 1990
(2) Standard Methods for the Examination of Water and Wastewater, 17th Edition, 1989
(3) EPA 600/4-79-020, Methods of Chemical Analysis for Waters and Wastes, March 1983
(4) Federal Register, Friday, October 26, 1984 (40 CFR Part 136)
(5) American Society for Testing and Materials, Volumes 5.01, 5.02, 5.03, 1992
(6) EPA 600/4-89-001, Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Fresh Water Organisms
(7) EPA 600/4-90-027, Methods for Measuring the Acute Toxicity of Effluent and Receiving Waters to Fresh Water and Marine Organisms, Fourth Edition

All methods of chemical analysis have a statistical uncertainty associated with the results. Unless otherwise indicated, the data in this report is within the limits of uncertainty as specified in the referenced method. Quality control acceptance criteria are based either on actual laboratory performance or on limits specified in the referenced method.

Notes: The date and time of analysis indicated on the QA report may not reflect the actual time of analysis for QC samples.
All data reported on an "as received" basis unless otherwise indicated.
Data reported in the QA report may lower than sample data due to dilution of samples into the calibration range of the analysis.
Sample concentrations for solid samples are calculated on an as received basis.

FLAGS, FOOTNOTES, AND ABBREVIATIONS (as needed)

NC = Not calculable due to values lower than the detection limit.
ND = Not detected
ug/L = Micrograms per liter
mg/L = Milligrams per liter
N.I. = Not Ignitable
S.I. = Sustains Ignition
I(NS) = Ignites but does not sustain ignition
RPD = Relative Percent Difference
(a) = Surrogate recoveries were outside acceptable ranges due to matrix effects.
(b) = Surrogate recoveries were not calculated due to dilution of the sample below the detectable range for the surrogate.
(c) = Matrix spike recoveries were outside acceptable ranges due to matrix effects.
(d) = Relative Percent Difference (RPD) for duplicate analysis outside acceptance limits due to actual differences in the sample matrix.
(e) = The limit listed for flammability indicates the upper limit for the test. Samples are not tested at temperatures above 140 Fahrenheit since only samples which will sustain ignition at temperatures below 140 are considered flammable.
(f) = Results for this hydrocarbon range did not match a typical hydrocarbon pattern. Results were quantified using a diesel standard, however, the hydrocarbon pattern did not match a diesel pattern.
(g) = Results for this hydrocarbon range did not match a typical hydrocarbon pattern. Results were quantified using a gasoline standard, however, the hydrocarbon pattern did not match a gasoline pattern.
(h) = High dilution due to matrix effects

1250 Gene Autry Way
Anaheim, CA 92805
(714) 937-1094

JUN 18 '93 10:59AM BECHTEL 310-807-3456 P.27

QUALITY ASSURANCE FOOTER

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(2) Standard Methods for the Examination of Water and Wastewater, 17th Edition, 1989
(3) EPA 600/4-79-020, Methods of Chemical Analysis for Waters and Wastes, March 1983
(4) Federal Register, Friday, October 26, 1984 (40 CFR Part 136)
(5) American Society for Testing and Materials, Volumes 3.01, 3.02, 3.03, 1992
(6) EPA 600/4-89-001, Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Fresh Water Organisms
(7) EPA 600/4-90-027, Methods for Measuring the Acute Toxicity of Effluent and Receiving Waters to Fresh Water and Marine Organisms, Fourth Edition

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Notes: The date and time of analysis indicated on the QA report may not reflect the actual time of analysis for QC samples.
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Data reported in the QA reports may lower than sample data due to dilution of samples into the calibration range of the analysis.
Sample concentrations for solid samples are calculated on an as received basis.

FLAGS, FOOTNOTES, AND ABBREVIATIONS (as needed)

NC	= Not calculable due to values lower than the detection limit.
ND	= Not detected
ug/L	= Micrograms per liter
mg/L	= Milligrams per liter
N.I.	= Not Ignitable
S.I.	= Sustains Ignition
I(NS)	= Ignites but does not sustain ignition
RPD	= Relative Percent Difference
(c)	= Surrogate recoveries were outside acceptable ranges due to matrix effects.
(b)	= Surrogate recoveries were not calculated due to dilut on of the sample below the detectable range for the surrogate.
(c)	= Matrix spike recoveries were outside acceptable ranges due to matrix effects.
(d)	= Relative Percent Difference (RPD) for duplicate analysis outside acceptance limits due to actual differences in the sample matrix.
(e)	= The limit listed for flammability indicates the upper limit for the test. Samples are not tested at temperatures above 140 Fahrenheit since only samples which will sustain ignition at temperatures below 140 are considered flammable.
(f)	= Results for this hydrocarbon range did not match a typical hydrocarbon pattern. Results were quantified using a diesel standard, however, the hydrocarbon pattern did not match a diesel pattern.
(g)	= Results for this hydrocarbon range did not match a typical hydrocarbon pattern. Results were quantified using a gasoline standard, however, the hydrocarbon pattern did not match a gasoline pattern.
(h)	= High dilution due to matrix effects

1250 Quail Abbey Way
Anaheim, CA 92805
(714) 937-1090

SENT TO: CORE LABS - ANAHEIM.

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

93/7/14

GEOTEST PROJECT NO: 93624-18
DATE 4-6-93 PAGE 1 OF 1

PROJECT NAME CICT/BEI-CUSA
ADDRESS
SAMPLER'S SIGNATURE
PRINTED NAME
CLIENT PROJECT NO. 21582-012
PROJECT MANAGER

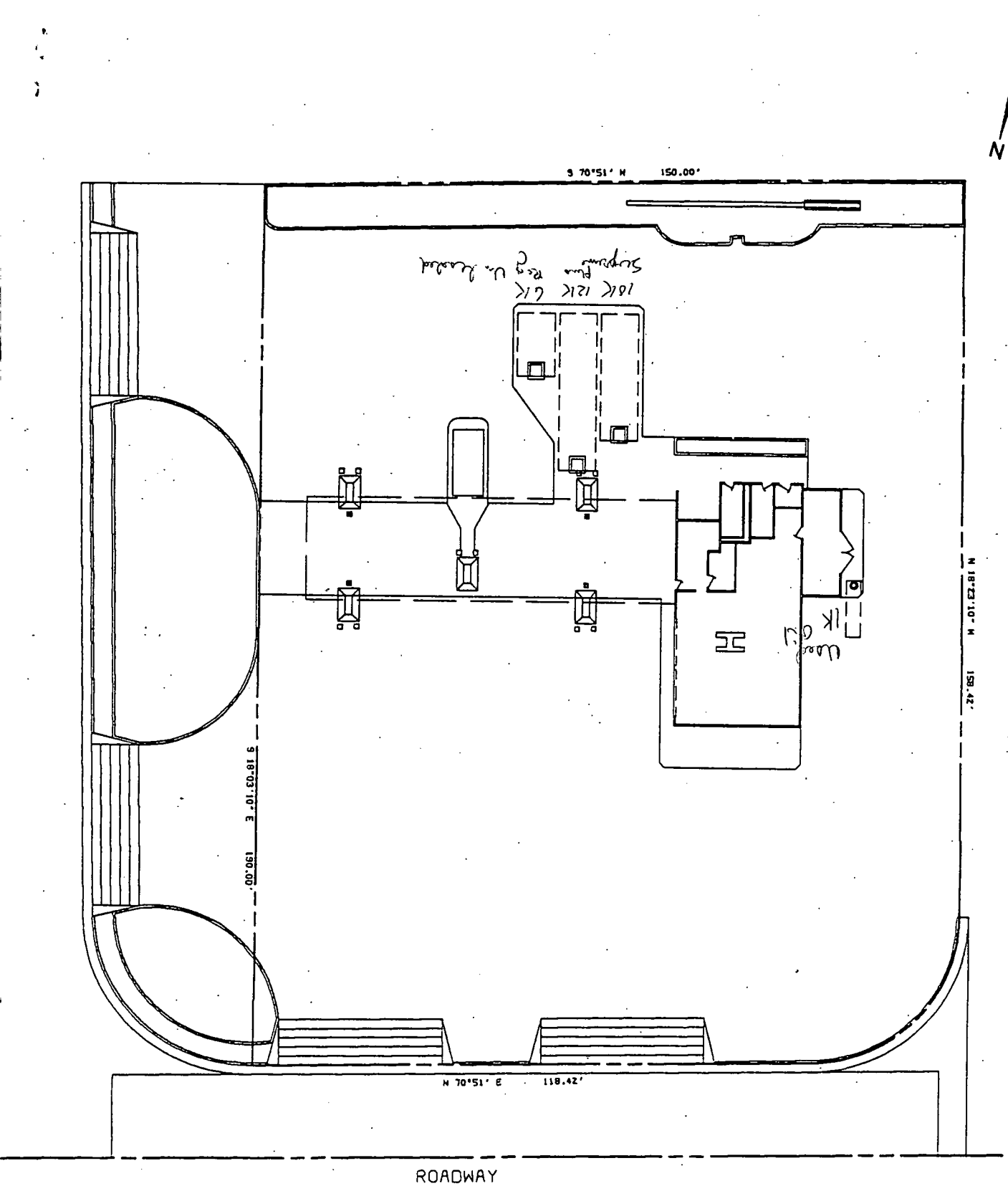
SAMPLE NO.	DATE	TIME	LOCATION	METHODS: TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	TCLP				MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
TUM 12	4/1/93								X				SOIL	4OZ JAR	1	
TUM 15	4/1/93								X				SOIL	4OZ JAR	1	

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE [signature]	4/5/93	SIGNATURE		SIGNATURE	
PRINTED NAME [illegible]	TIME	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY CICT-EST	1700	COMPANY		COMPANY	
4 RECEIVED BY	**DATE**	**5 RECEIVED BY**	**DATE**	**6 RECEIVED BY (LAB)**	**DATE**
SIGNATURE	4/5/93	SIGNATURE Ecen Simkins	4/6/93	SIGNATURE	
PRINTED NAME	TIME	PRINTED NAME Core Labs	TIME	PRINTED NAME	TIME
COMPANY	1700	COMPANY	1000	COMPANY	

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS
W.O. 6164A-C

P.28
JUN 18 '93 11:00AM BECHTEL 310-807-3456


N
S 70°51' W 150.00'
N 18°23'10" W 158.42'
S 18°03'10" E 190.00'
N 70°51' E 118.42'
ROADWAY

TANK REMOVAL: SAMPLE DESIGNATION

FORMAT: **a b c d**

- **a** = **T, P, D, SP**: general sample locations where
  - **T** = **T**ank
  - **P** = **P**iping
  - **D** = **D**ispenser
  - **E** = **E**xcavation
  - **SP** = **S**tock**P**ile

- **b** = **S, P, R, L / n**: If samples are located with respect to
  - **T**anks, then **b** = **S, P, R, L**; where
    - **S** = **S**upreme unleaded
    - **P** = **P**lus unleaded
    - **R** = **R**egular unleaded
    - **D** = **D**iesel fuel
    - **L** = **L**eaded, regular
    - **U** = **U**sed oil
  - **P**iping, **D**ispensers, or an **E**xcavation, then **b** = **n**; where
    - **n** = sequential sample numbers.

- **c** = **F, M, T / A, B, C, ... / -** : If samples are located with respect to
  - **T**anks, then **c** = **F, M, T**; where
    - **F** = **F**ill port
    - **M** = **M**iddle (of tank)
    - **T** = **T**urbine;
  - **S**tock**P**iles, then **c** = **A, B, C, ...**; where
    - **A, B, C, ...** = successive generations of stockpiles.
  - **P**iping, **D**ispensers, or an **E**xcavation, then **c** = **-** .

- **d** = **D / n**: If samples were collected from beneath
  - **T**anks, **P**iping, **D**ispensers, or in an **E**xcavation, then **d** = **D**, where
    - **D**= **D**epth of sample, in feet;
  - else, if from soil **S**tock**P**iles, then **d** = **n**, where
    - **n** = sequential sample numbers.

Examples: If the sample is obtained from beneath the fill port of the supreme unleaded tank at a depth of 14 feet, then the sample would be labeled TSF14, ie.: T = tank, S = supreme unleaded, F = fill port (end of tank), 14 = 14 feet bgs.

If the sample is obtained from a soil stockpile the stockpile would typically be labeled with a consecutive letter. The third stockpile should be typically be labeled "C". If 6 samples are obtained from the stockpile the 6 samples would be labeled SPC1 - SPC6, ie.: SP = stockpile, C = stockpile "C", 1 - 6 consecutive sample numbers.

If two samples are obtained from beneath a fuel dispenser in the third sampling location but at depths of 4 and 7 feet bgs then the samples would labeled D3-4 and D3-7, respectively, ie.: D = dispenser, 3 = third sample location, - = separates the sample number from the depth of the sample, 4 & 7 = sample depths in feet, bgs.

600015

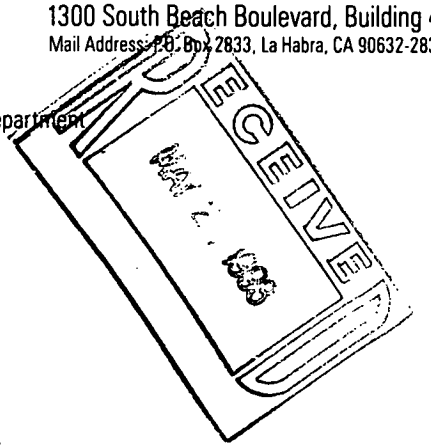
Chevron

Chevron U.S.A. Products Company

1300 South Beach Boulevard, Building 4516, La Habra, California • Phone (310) 694-7300

Mail Address: P.O. Box 2833, La Habra, CA 90632-2833

Marketing Department



May 19, 1993

Underground Storage Tank
Financial Responsibility

Kern County
Environmental Health Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301

To Whom It May Concern:

The attached letter is being provided in order to comply with the requirement to demonstrate financial responsibility for underground storage tanks owned by Chevron U.S.A.

Financial responsibility applies to the attached list of service stations located in Kern County. If you have any questions, please contact Desiree Closs at (310) 694-7452.

Very truly yours,

K.F. Wiseman

K.F. Wiseman
Safety, Fire, Health and
Environment Supervisor

DDC
Enclosure

Chevron Corporation
225 Bush Street, San Francisco, California 94104-4289

M. R. Klitten
Vice President, Finance

April 30, 1993

UST FINANCIAL RESPONSIBILITY

To Whom It May Concern:

I am the chief financial officer of Chevron Corporation, 225 Bush Street, San Francisco, CA. This letter is in support of the use of the financial test of self-insurance and guarantee to demonstrate financial responsibility for taking corrective action and compensating third parties for bodily injury and property damage caused by sudden accidental releases and/or nonsudden accidental releases in the amount of at least $1,000,000.00 per occurrence and $2,000,000.00 annual aggregate arising from operating underground storage tanks.

Underground storage tanks at the following facilities are assured by this financial test or a financial test under an authorized State program by this guarantor: all underground storage tanks owned by Chevron U.S.A. Inc. in the United States are assured by this financial test.

A financial test and guarantee are also used by this guarantor to demonstrate evidence of financial responsibility in the following amounts under other EPA regulations or state programs authorized by EPA under 40 CFR parts 271 and 145:

EPA REGULATIONS	AMOUNT
Closure (§§264.143 and 265.143)	$ 149,095,286.00
Post-Closure Care (§§264.145 and 265.145)	$ 53,084,226.00
Liability Coverage (§§264.147 and 265.147)	$ 8,000,000.00
Corrective Action (§264.101(b))	$ -0-
Plugging and Abandonment (§144.63)	$ 3,101,720.00
California State Program	
Closure	$ 798,556.00
Post-Closure Care	$ 1,167,038.00
Liability Coverage	$ 56,000,000.00
Corrective Action	$ -0-
Plugging and Abandonment	$ -0-

Louisiana State Program

Closure	$ 6,771,600.00
Post-Closure Care	$ 2,780,460.00
Liability Coverage	$ 1,000,000.00
Corrective Action	$ -0-
Plugging and Abandonment	$ -0-
Total	$ 270,718,787.00

This guarantor has not received an adverse opinion, a disclaimer of opinion, or a "going concern" qualification from an independent auditor on his financial statements for the latest completed fiscal year.

ALTERNATIVE II

1.	Amount of annual UST aggregate coverage being assured by a test, and/or guarantee	$ 2,000,000.00
2.	Amount of corrective action, closure and post-closure care costs, liability coverage, and plugging and abandonment costs covered by a financial test, and/or guarantee	$ 270,718,787.00
3.	Sum of lines 1 and 2	$ 272,718,787.00
4.	Total tangible assets	$33,860,000,000.00
5.	Total liabilities	$20,242,000,000.00
6.	Tangible net worth	$13,618,000,000.00
7.	Total assets in the U.S.	in excess of $21,435,000,000.00

		Yes	No
8.	Is line 6 at least $10 million?	X	
9.	Is line 6 at least 6 times line 3?	X	
10.	Are least 90% of assets located in the U.S.? If "No", complete line 11.		X
11.	Is line 7 at least 6 times line 3?	X	

12.	Current assets	$ N/A
13.	Current liabilities	$ N/A
14.	Net working capital (subtract line 13 from line 12).	$ N/A
15.	Is line 14 at least 6 times line 3?	$ N/A
16.	Current bond rating of most recent bond issues.	AA
17.	Name of rating service	Standard & Poors
18.	Dates of maturity of bond	April 1, 1998

	Yes	No
19. Have financial statements for the latest fiscal year been filed with the SEC, the Energy Information Administration, or the Rural Electrification Administration?	X	

I hereby certify that the wording of this letter is identical to the wording specified in 40 CFR part 280.95(d) as such regulations were constituted on the date shown immediately below.

Date: April 30, 1993

M. R. KLITTEN
VICE PRESIDENT, FINANCE

GUARANTEE

Guarantee made this April 30, 1993, by CHEVRON CORPORATION, a business entity organized under the laws of the State of Delaware, herein referred to as guarantor, to EPA Regional Administrators and/or state agencies implementing underground storage tank regulation for the states listed in Paragraph 2 (hereinafter collectively referred to as the "implementing agencies"), and to any and all third parties, and obligees, on behalf of CHEVRON U.S.A. INC. ("CUSA"), 575 Market Street, San Francisco, CA.

Recitals.

(1) Guarantor meets or exceeds the financial test criteria of 40 CFR 280.95(b) or (c) and (d) and agrees to comply with the requirements for guarantors as specified in 40 CFR 280.96(b).

(2) CUSA owns or operates the following underground storage tanks covered by this guarantee: underground storage tanks at various facilities in the States of:

Alabama	Mississippi
Alaska	Nevada
Arizona	New Jersey
California	New Mexico
Washington, D. C.	Ohio
Florida	Oregon
Georgia	Pennsylvania
Hawaii	South Carolina
Idaho	Tennessee
Indiana	Texas
Kentucky	Utah
Louisiana	Virginia
Maryland	Washington
	West Virginia

This guarantee satisfies 40 CFR part 280, subpart H requirements for assuring funding for taking corrective action and compensating third parties for bodily injury and property damage caused by either sudden accidental releases or nonsudden accidental releases arising from operating the above-identified underground storage tanks in the amount of $1,000,000.00 per occurrence and $2,000,000.00 annual aggregate.

(3) On behalf of our subsidiary, CUSA, guarantor guarantees to implementing agencies and to any and all third parties that:

In the event that CUSA fails to provide alternative coverage within 60 days after receipt of a notice of cancellation of

this guarantee and the Director of the implementing agency has determined or suspects that a release has occurred at an underground storage tank covered by this guarantee, the guarantor, upon instructions from the Director, shall fund a standby trust fund in accordance with the provisions of 40 CFR 280.108, in an amount not to exceed the coverage limits specified above.

In the event that the Director determines that CUSA has failed to perform corrective action for releases arising out of the operation of the above-identified tanks in accordance with 40 CFR 280, subpart F, the guarantor upon written instructions from the Director shall fund a standby trust in accordance with the provisions of 40 CFR 280.108, in an amount not to exceed the coverage limits specified above.

If CUSA fails to satisfy a judgement or award based on a determination of liability for bodily injury or property damage to third parties caused by sudden and/or nonsudden accidental releases arising from the operation of the above-identified tanks, or fails to pay an amount agreed to in settlement of a claim arising from or alleged to raise from such injury or damage, the guarantor, upon written instructions from the Director, shall fund a standby trust in accordance with the provisions of 40 CFR 280.108 to satisfy such judgement(s), award(s), or settlement agreement(s) up to the limits of coverage specified above.

(4) Guarantor agrees that if, at the end of any fiscal year before cancellation of this guarantee, the guarantor fails to meet the financial test criteria of 40 CFR 280.95(b) or (c) and (d), guarantor shall send within 120 days of such failure, by certified mail, notice to CUSA. The guarantee will terminate 120 days from the date of receipt of the notice by CUSA, as evidenced by the return receipt.

(5) Guarantor agrees to notify CUSA by certified mail of a voluntary or involuntary proceeding under Title 11 (Bankruptcy), U.S. Code naming guarantor as debtor, within 10 days after commencement of the proceeding.

(6) Guarantor agrees to remain bound under this guarantee notwithstanding any modification or alteration of any obligation of CUSA pursuant to 40 CFR part 280.

(7) Guarantor agrees to remain bound under this guarantee for so long as CUSA must comply with the applicable financial responsibility requirements of 40 CFR part 280, subpart H for the above-identified tanks, except that guarantor may cancel this guarantee by sending notice by certified mail to CUSA, such cancellation to become effective no earlier than 120 days after receipt of such notice by CUSA, as evidenced by the return receipt.

(8) The guarantor's obligation does not apply to any of the following:

(a) Any obligation of CUSA under workers' compensation, disability benefits, or unemployment compensation law or other similar law;

(b) Bodily injury to an employee of CUSA arising from, and in the course of, employment by CUSA;

(c) Bodily injury or property damage arising from the ownership, maintenance, use, or entrustment to others of any aircraft, motor vehicle, or watercraft;

(d) Property damage to any property owned, rented, loaned to, in the care, custody, or control of, or occupied by CUSA that is not the direct result of a release from a petroleum underground storage tank; and

(e) Bodily damage or property damage for which CUSA is obligated to pay damages by reason of the assumption of liability in a contract or agreement other than a contract or agreement entered into to meet the requirements of 40 CFR 280.93.

(9) Guarantor expressly waives notice of acceptance of this guarantee by the implementing agency, by any or all third parties, or by CUSA.

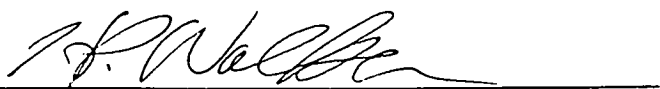
I hereby certify that the wording of this guarantee is identical to the wording specified in 40 CFR 280.96(c) as such regulations were constituted on the effective date shown immediately below.

Effective date: April 30, 1993

CHEVRON CORPORATION

BY

M. R. Klitten
Vice President, Finance

By 

Assistant Secretary

State of California
County of San Francisco
On 4/23/93, before me, Rosalia M. Sussoff, Notary Public, (here insert name and title of the officer), personally appeared J. Jeffrey Moycher, personally known to me (~~or proved to me on the basis of satisfactory evidence~~) to be person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature Rosalia M. Sussoff (Seal)

OFFICIAL SEAL
ROSALIA M. SUSSOFF
Notary Public-California
City and County of San Francisco
My Commission Expires Jan. 21, 1995

CERTIFICATE OF FINANCIAL RESPONSIBILITY

CHEVRON U.S.A. INC. hereby certifies that it is in compliance with the requirements of subpart H of 40 CFR part 280.

The financial assurance mechanism used to demonstrate financial responsibility under subpart H of 40 CFR part 280 is as follows:

Corporate guarantee of Chevron Corporation in the amount of $1 million per occurrence, $2 million annual aggregate, for the period commencing April 30, 1993, and which is anticipated to be renewed annually, with the next renewal scheduled to occur during the first 120 days of 1994. Said guarantee covers taking corrective action and compensating third parties for bodily injury and property damage caused by sudden accidental releases and nonsudden accidental releases.

CHEVRON U.S.A. INC.

Date: 4-23-93

By: _____
J. Jeffrey Mojcher, Counsel

WATER RESOURES CONTROL BOARD
DIVISION OF WATER QUALITY
UST CLEANUP PROGRAM
SITE SPECIFIC QUARTERLY REPORT

CONTRACTOR NO: 15000 SOURCE OF FUNDS: F SUBSTANCE: 8006619
SITE NO: 600015 FEDERAL EXEMPT: N PETROLEUM: Y
SITE NAME: CHEVRON USA, #98616 DATE REPORTED: 04/07/93
ADDRESS: I-5 AND HWY 99 DATE CONFIRMED: 04/07/93
CITY/ZIP: LEBEC, CA 93243 MULTIPLE R.P's: N

---------- SITE STATUS ----------

CASE TYPE: S CONTRACT STATUS: 4 EMERGENCY RESPONSE:
RP SEARCH: S DATE UNDERWAY: 04/07/93 DATE COMPLETED: 04/07/93
PRELIMINARY ASSESSMENT: C DATE UNDERWAY: 04/01/93 DATE COMPLETED: 06/29/93
REMEDIAL INVESTIGATION: DATE UNDERWAY: / / DATE COMPLETED: / /
REMEDIAL ACTION: DATE UNDERWAY: / / DATE COMPLETED: / /
POST REMEDIAL ACTION MONITORING: DATE UNDERWAY: / / DATE COMPLETED:
ENFORCEMENT ACTION TAKEN: TYPE: DATE TAKEN:
LUFT FIELD MANUAL CONSIDERATION (CATEGORY 1, 2, 3, PLUS H, S, C, A, R, W, G, OR O AS APPLICABLE) 2, S, C, A.
CASE CLOSED: DATE CLOSED: / /
DATE EXCAVATION STARTED: / / REMEDIAL ACTIONS TAKEN:

---------- RESPONSIBLE PARTY ----------

CONTACT NAME: DESIREE CLOSS
COMPANY NAME: CHEVRON USA
ADDRESS: P. O. BOX 2833
CITY/ZIP: LA HABRA, CA 90632
PHONE #: (310) 694-7492

SPECIALIST:
SENSITIVITY: EES
ABANDONMENT #: A1842-60
DATE OF REPORT: 06/29/93
LEAK REPORT: Y

CONTACT NAME:
COMPANY NAME:
ADDRESS:
CITY/ZIP:
PHONE #: ( )

CONTACT NAME:
COMPANY NAME:
ADDRESS:
CITY/ZIP:
PHONE #:

CONTACT NAME:
COMPANY NAME:
ADDRESS:
CITY/ZIP:
PHONE #:

CONTACT NAME:
COMPANY NAME:
ADDRESS:
CITY/ZIP:
PHONE #:

RESOURCE MANAGEMENT AGENCY

RANDALL L. ABBOTT
DIRECTOR

DAVID PRICE III
ASSISTANT DIRECTOR

Environmental Health Services Department
STEVE McCALLEY, REHS, DIRECTOR

Air Pollution Control District
WILLIAM J. RODDY, APCO

Planning & Development Services Department
TED JAMES, AICP, DIRECTOR

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

2700 "M" STREET, SUITE 300 BAKERSFIELD, CALIFORNIA 93301 (805) 861-3636
FAX: (805) 861-3429

EL MONTE, CA 91731

(157-)

UNDERGROUND STORAGE TANK QUARTERLY INVENTORY RECONCILIATION REPORT

600015

ACCOUNT NO.: _____

DATE: Sept 1992

FACILITY NAME AND LOCATION:

AP31 Chevron 1029
Star Rt 1 Box 25
Lebec, Ca. 93243

MAILING ADDRESS:

AP31
9382 Telstar
El Monte Ca 91731

Title 23, California Administrative Code (CAC), Section 2644(e) requires the owner or operator of an underground storage tank utilizing inventory reconciliation as part of the required monitoring and leak detection system to submit on a quarterly basis a statement to the local agency under penalty of perjury, that either: the inventory reconciliation data is within allowable variations or a listing of the dates and variations that exceed the allowable variations. This form or a reasonable facsimile, when completed, will satisfy the quarterly reporting requirements. Please return a copy of this form to the Underground Storage Tank Program within thirty (30) days of the end of each calendar quarter (March 31, June 30, September 30, and December 31).

For the calendar quarter ending _____, at the facility indicated above, records for all underground tanks monitored by inventory reconciliation indicate that:

a. ____ All inventory variations were within the allowable limits of Section 2644, CAC.

b. ✓ Inventory variations in excess of the allowable limits of Section 2644, CAC have occurred on the following days, in the listed amounts, for the following underground storage tanks (use back side of report if additional space is needed)

RECEIVED
OCT - 9 1992

	Tank I.D.	Tank Size (Gallon)							
Example:	#000	10,000 Unleaded	Dates	01/30/87	02/09/87	02/28/87	03/07/87		
			Variation	+125	-130	+150	+175		
	#001	5000 Plus	Dates						
			Variation						
	#002	10000 Sup	Dates						
			Variation						
	#003	12000 Unleaded	Dates						
			Variation						

I certify, under penalty of perjury, that all variations (if any) exceeding allowable limits for the quarter ending _____, are indicated above and were investigated in accordance with the requirements of Title 23, CAC, Section 2644.

Mary L. Vera
Tank Facility Owner/Operator

CHECK (1) LINE

San Bernardino ____
Los Angeles County ____
Orange County ____
Riverside County ____
San Diego County ____
Kern County ✓

QTR. _____ VARIANCE LOG STATION 1829
LOCATION Lebec

DATE	REGULAR	SUPREME	UNLEADED	DIESEL FUEL
1	—	-76	-84	
2	—	—	—	
3	+103	+142	+223	
4	—	+114	-88	
5	—	—	+320	
6	—	—	+150	
7	—	—	-269	
8	+253	-198	-94	
9	-203	+144	—	
10	—	—	+129	
11		+105		
12		-188	+95	
13	-88		-274	
14		+146	+221	
15			+131	
16	+100			
17				
18				
19		-114		
20				
21		+106	+154	
22	+75	+172		
23		+172	+176	
24	+85		-293	
25	-124	-157	+234	
26	+112	+83		
27			-130	
28	+121	+111	+639	
29		+95	-415	
30		-414	+170	

EL MONTE, CA 91731

(157-)

UNDERGROUND STORA[redacted]NK QUARTERLY INVENTORY RECON[redacted]ATION REPORT

ACCOUNT NO.: _____

DATE: Aug 1992

FACILITY NAME AND LOCATION:

APSI Chevron 1829
STAR Rt 1 Box 25
Lebec Ca 93243

MAILING ADDRESS:

A.P.S.I
9382 Telstar
El Monte Ca. 91731

Title 23, California Administrative Code (CAC), Section 2644(e) requires the owner or operator of an underground storage tank utilizing inventory reconciliation as part of the required monitoring and leak detection system to submit on a quarterly basis a statement to the local agency under penalty of perjury, that either: the inventory reconciliation data is within allowable variations or a listing of the dates and variations that exceed the allowable variations. This form or a reasonable facsimile, when completed, will satisfy the quarterly reporting requirements. Please return a copy of this form to the Underground Storage Tank Program within thirty (30) days of the end of each calendar quarter (March 31, June 30, September 30, and December 31).

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Example:

Tank I.D.	Tank Size (Gallon)							
#000	10,000 Unleaded	Dates	01/30/87	02/09/87	02/28/87	03/07/87		
		Variation	+125	-130	+150	+175		
#001	5000 Plus	Dates						
		Variation						
#002	10000 Sup	Dates						
		Variation						
#003	12000 Unleaded	Dates						
		Variation						

I certify, under penalty of perjury, that all variations (if any) exceeding allowable limits for the quarter ending _____, are indicated above and were investigated in accordance with the requirements of Title 23, CAC, Section 2644.

Tank Facility Owner/Operator

CHECK (1) LINE

San Bernardino	___
Los Angeles County	___
Orange County	___
Riverside County	___
San Diego County	___
Kern County	✓

QTR. Aug. VARIANCE LOG STATION 1829
LOCATION Zelzer

DATE	REGULAR	SUPREME	UNLEADED	DIESEL FUEL
1	—	—	—	
2	—	—	—	
3	—	+119	+163	
4	—	—	—	
5	—	-141	-200	
6	—	+84	—	
7	—	—	+87	
8	—	—	—	
9	-98	—	—	
10	—	+82	—	
11	+108	+149	+231	
12	—	—	—	
13	—	—	-146	
14	-308	+225	—	
15	+437	-282	+116	
16	—	+83	—	
17	—	—	—	
18	—	+162	—	
19	—	—	+175	
20	—	+155	+112	
21	+96	+114	—	
22	—	—	+90	
23	—	-129	-102	
24	—	—	—	
25	—	+118	—	
26	—	+92	—	
27	—	+101	+264	
28	—	—	-225	
29	+166	-138	+151	
30	-76	+81	+85	
31	—	—	—	

EL MONTE, CA 91731

15 1/-

UNDERGROUND STORAGE TANK QUARTERLY INVENTORY RECONCILIATION REPORT

ACCOUNT NO.: _____ DATE: July 92

FACILITY NAME AND LOCATION:

APSI Chevron 1829
Star Rt 1 Box 25
Lebec Ca 93243

MAILING ADDRESS:

APSI
9382 Telstar
El Monte Ca, 91731

Title 23, California Administrative Code (CAC), Section 2644(e) requires the owner or operator of an underground storage tank utilizing inventory reconciliation as part of the required monitoring and leak detection system to submit on a quarterly basis a statement to the local agency under penalty of perjury, that either: the inventory reconciliation data is within allowable variations or a listing of the dates and variations that exceed the allowable variations. This form or a reasonable facsimile, when completed, will satisfy the quarterly reporting requirements. Please return a copy of this form to the Underground Storage Tank Program within thirty (30) days of the end of each calendar quarter (March 31, June 30, September 30, and December 31).

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Example:

Tank I.D.	Tank Size (Gallon)							
#000	10,000 Unleaded	Dates	01/30/87	02/09/87	02/28/87	03/07/87		
		Variation	+125	-130	+150	+175		
#001	5000 Plus	Dates						
		Variation						
#002	10000 Sup	Dates						
		Variation						
#003	12000 unleaded	Dates						
		Variation						

I certify, under penalty of perjury, that all variations (if any) exceeding allowable limits for the quarter ending _____, are indicated above and were investigated in accordance with the requirements of Title 23, CAC, Section 2644.

[signature]
Tank Facility Owner/Operator

CHECK (1) LINE

San Bernardino ____
Los Angeles County ____
Orange County ____
Riverside County ____
San Diego County ____
Kern County ✓

QTR. July VARIANCE LOG STATION 1829
LOCATION Lebec

DATE	REGULAR	SUPREME	UNLEADED	DIESEL FUEL
1	—	—	—	
2	—	—	-152	
3	—	-120	-83	
4	-78	—	-215	
5	+194	+304	+346	
6	—	—	—	
7	—	—	—	
8	—	-90	—	
9	—	+225	—	
10	—	-136	-126	
11	—	—	—	
12	—	—	—	
13	—	—	+157	
14	—	—	+110	
15	—	—	-97	
16	—	—	—	
17	-133	-99	-165	
18	—	—	—	
19	—	—	+154	
20	—	—	—	
21	—	—	—	
22	—	+91	—	
23	—	—	—	
24	—	—	—	
25	—	—	+133	
26	—	—	—	
27	+123	+78	+83	
28	—	—	—	
29	—	—	—	
30	—	—	—	
31	—	—	—	

600015

Chevron

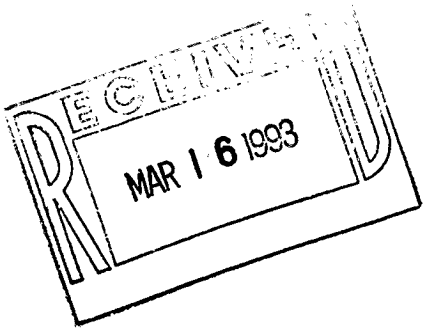
BECHTEL

Chevron–Bechtel ALLIANCE

12440 East Imperial Highway
Norwalk, CA 90650-3134

March 12, 1993

RECEIVED
MAR 16 1993



Kern County Health Department
Environmental Health Services
2700 "M" Street, Suite 300
Bakersfield, California 93301

Attention: Ms. Carrie Georgi

Subject: Soil and Ground-Water Sampling Procedures

Dear Ms. Georgi:

This letter has been prepared in response to a conversation, held on March 8, 1993, between yourself and Carl J. Lind of Bechtel Environmental, Inc., (BEI) pertaining to Chevron U.S.A., Inc., (Chevron) service station #9-8616, located at the intersection of Interstate 5 and Highway 99 near Lebec. BEI has been retained by Chevron to perform a preliminary site assessment during the underground storage tank (UST) abandonment scheduled for April, 1993. As requested in the March 8 conversation, soil sampling procedures are attached. Also included are ground-water sampling procedures.

Please feel free to contact Mr. Lind at (310) 694-9302 if you have any questions regarding these procedures.

Respectfully submitted,

BECHTEL ENVIRONMENTAL, INC.

Edward A Morelan, RG 4832
Site Assessment Team Coordinator

Jerald F. Bailey
Program Manager

Attachments

cc: Mark E. Horne (Chevron)
Carl J. Lind (BEI)
File

Soil Sampling Procedures

Soil samples may obtained by one of two procedures: by grab sample from a stockpile or excavation or as a relatively undisturbed sample from a drilled exploratory boring. Samples obtained from an excavation are typically retrieved with a backhoe from the bottom or sidewalls of the excavation. The soil samples are then collected from the bucket of the backhoe as a grab sample. Soil samples which are to be obtained in a relatively undisturbed condition are typically retrieved from soil borings established by hand auger or drill rig.

Soil samples obtained as grab samples are typically collected with a hand trowel or hand auger. Those samples collected with a hand trowel are packed into 4-ounce or 8-ounce glass jars such that few or no voids are visible. The jars are then sealed with a plastic lid. The samples collected with the hand auger are obtained from soil stockpiles after the auger has been driven approximately 6 inches into the soil. The first or second brass liner tube is removed from the sampler, the ends are covered with Teflon™ sheeting and sealed with plastic caps. Each sample is then labeled, sealed in a plastic bag, chilled and stored within an insulated cooler, and transported along with appropriate chain-of-custody documentation to the laboratory for analysis.

Exploratory soil borings are advanced with a truck-mounted hollow-stem-auger drill rig equipped with 5" to 8" O.D. augers. Soil samples are collected at 5-foot intervals in each boring starting at 5 feet below ground surface (bgs) to total depth. A BEI geologist and/or geotechnical engineer is on-site to visually log each soil boring based on drilling returns and soil samples collected. Samples are classified according to the Unified Soil Classification (USC) and ASTM (D2487 or 2488) Systems.

Modified-California 2-inch-I.D. split-spoon samplers are used to obtain relatively undisturbed soil samples from the drilled borings. The sampler is driven 12 to 24 inches into the undisturbed soil or until refusal (equivalent to 6 inches penetration or less per 50 blows) in accordance with a standard penetration test (ASTM Method D 1586). Sample catchers are used when loose sands are encountered in an effort to retain the sample within the split spoon. The effort taken to drive the sample the last 12 inches is recorded at 6-inch intervals, and the sampler is removed from the boring. Brass liner tubes in the split-spoon sampler are used to collect the soil samples. Typically, the first tube behind the cutting shoe is used for chemical analysis. The tube selected for chemical analysis typically contains little or no observable void space. This tube is removed from the sampler with as little disturbance as possible. The ends of the tube are covered immediately with Teflon™ film followed by plastic end caps. The outside of the tube is wiped free of soil and moisture, and a label is placed on it. The capped sample tube is sealed within a Ziploc™ bag, and placed on ice within an insulated container.

Each sample is field tested utilizing a Photovac Microtip photoionization detector (PID). The contents of a second brass liner tube are placed in a Ziploc™ bag and allowed to volatilize for approximately 15 to 30 minutes. The Teflon™ tip of the PID is inserted through a small opening in the bag, and the highest reading of organic vapors within the headspace of each sample bag is recorded on the respective boring log.

At the conclusion of drilling, each soil borehole not converted to a ground-water monitoring well is backfilled with a cement/bentonite grout. Backfilled boreholes are barricaded a sufficient length of time to allow for backfill materials to set. The soil cuttings from soil borings and well-installation activities are containerized in 10-cubic-yard soil bins or 55-gallon drums. The soil containers are temporarily stored on-site in a secure location designated by the Chevron representative.

Ground-Water Monitoring Well Installation Procedures

The ground-water monitoring wells are constructed in accordance with Title 23, California of Regulations (CCR), Chapter 16, Article 4, Sections 2647 (Ground-Water Monitoring) and 2648 (General Construction and Sampling Methods). In addition, the driller possesses a C-57 license as required by California State law.

The well construction materials will typically consist of flush-threaded, 4-inch-diameter, schedule 40 PVC pipe. Screen slot width, length of the screened interval, and filter pack material will be determined based on site-specific conditions. Typically, the screened interval will extend 20 feet below to 10 feet above the static ground-water surface. A solid PVC casing typically extends from the top of the screened interval to the surface. Filter pack material is placed in the annular space around the screen to approximately two feet above the top of the screen. A seal of bentonite pellets with a thickness of approximately three feet is placed above the filter pack in an effort to effectively seal the collection zone of the well and to prevent the intrusion of the overlying concrete seal material into the filter pack sand around the screened portion of the well. A volclay grout or Portland cement/bentonite slurry is placed above the bentonite seal. A concrete sanitary seal of approximately 3 feet is placed from above the slurry to the ground surface. A traffic-rated vault box is installed after the well is set to help guard the exposed casing from damage and to provide security from unauthorized entry. A stand pipe may be used in lieu of a vault box if the site is inactive and secured with a chain-link fence.

Monitoring Well Development

Prior to the addition of bentonite pellets, the well is developed using surging and plunging to allow the filter pack sand to settle in the well. Additional filter pack is added to maintain the minimum of two feet thickness above the top of the screen as required. After the wells

are completed, they are further developed by removing approximately 4 to 5 well volumes of water using a 5-gallon stainless steel bailer lowered into the wellbore by a truck. The amount of settleable solids are monitored with an Imhoff cone during the course of development and recorded. The purged water generated during the course of well development is containerized in 55-gallon DOT drums.

Wells are surveyed by a licensed surveyor with respect to mean sea level (msl). After the wells are completed, the elevations (with respect to msl) are measured for all of the ground-water monitoring wells, at a point marked and notched on each of the wells' PVC casing. This point is used as the reference for depth-to-ground-water measurements.

Ground-Water Sampling Procedures

The depth to ground water is measured with a well sounder in each well. Ground-water monitoring wells are also checked for the presence of liquid hydrocarbons prior to purging. If no liquid hydrocarbons are encountered, these wells are purged approximately 3 to 5 volumes of standing water, prior to sampling. Ground-water samples will not be collected from those wells containing liquid hydrocarbons.

Typically, a vacuum truck equipped with a one-inch-diameter PVC pipe stinger is utilized for purging. Water temperature, pH, conductivity,and turbidity are monitored and recorded during purging. Water accumulated during purging is containerized in 55-gallon DOT drums.

Ground-water samples are collected with a single-use, environmentally "clean" bailer attached and lowered into the well with nylon line. Both the bailer and nylon line are discarded after each use. All sampling equipment that comes into contact with the well is cleaned in accordance with decontamination procedures described below.

All sample containers are labeled to include: the Chevron project name and number; the well number; date of sampling; sampler's initials; preservative added (if any); any other pertinent information, as necessary. The sample containers are sealed, placed in packing materials, and placed on ice within an insulated container to await shipment to the chemical laboratory. Appropriate chain-of-custody documentation is prepared to accompany the samples.

Decontamination and Disposal Procedures

Equipment that potentially contacts contaminated soil, drilling fluid, or water is decontaminated after each use. Decontamination consists of steam-cleaning or using a non-phosphatic detergent scrub solution (Liquinox) followed by a two-stage deionized/distilled water rinse prior to each use. After the equipment is decontaminated, it is stored away from the sampling areas.

Water generated from drilling activities is containerized in 55-gallon drums, vacuum trucks, or Baker tanks and temporarily stored onsite.

A drum/soil-bin inventory sheet is prepared for soil and water generated on the site as a result of field activities. The drum inventory sheet and laboratory results are then submitted to the Chevron representative.

Arrangements for the disposal of rinseate, purge water and soil cuttings are made by the Chevron representative. Subsequent disposal is performed under the direction of Chevron personnel by a Chevron-appointed subcontractor.

AUG 26 1991

FACILITY PROFILE SHEET

600015C
CHEVRON U.S.A., INC.
I-5 & GRAPEVINE/LEBEC
LEBEC, CA

SS # 9-8616
Coop

PERMIT # 600015C

Tank #	Substance Code	Tank Contents	Tank Capacity	Year Installed	Is piping Pressurized?
1	MVF 1	REGULAR	12,000	1968	YES
2	MVF 1	PREMIUM	5,000	1968	YES
3	MVF 1	UNLEADED	10,000	1968	YES
4	WO 6	WASTE OIL	1,000	1987	NO-GRAVITY

ENCLOSURE CHECKLIST

Station # 98616 COOP

Facility 600015C I-5 & Grapevine/LEB EC

Permit # 600015C

This checklist is provided to ensure that all necessary packet enclosures were received. Please complete this form and return it to the Kern County Environmental Health Services Department, along with the Monitoring Alternatives Questionnaire, within 30 days of receipt.

CHECK

YES	NO	The packet I received contained:
✓		1. Cover letter.
✓		2. Facility Profile Sheet (provides Facility Permit Number and information on the underground storage tanks and piping, as provided on the application). The substance code in Column #2 should be referenced when reviewing the Monitoring Alternatives Fact Sheets and Questionnaires.
✓		3. A Monitoring Alternatives and Upgrade Requirements Fact Sheet for each substance code referenced on the Facility Profile Sheet.
✓		4. A Monitoring Alternatives Questionnaire for each substance code referenced on the Facility Profile Fact Sheet.

Signature of Person Completing the Checklist Carol N Ott

Title Envir. Compliance M.A.

Date 08/21/91

(green\chklst.1)

RESPONSE CHECKLIST

Specialist reviewing the information returned: Carrie Georgi

Date questionnaire was returned: 8/26/91

Facility Permit Number: 600015

Tanks located at the facility: _____

Was a reply received for each substance code assigned to the facility?

_____ Yes _____ No

Does the facility need to provide additional information in order for the monitoring alternative to be acceptable? _____ Yes _____ No

Describe what information is required:

_____

_____

_____

The monitoring alternative picked by the facility representative is acceptable for the facility tanks. _____ Yes _____ No

(The monitoring alternative will be viewed as unacceptable if the alternative was not appropriate for the type of tank described on the facility profile or within the facility file. Example: The facility may wish to use the visual alternative for a tank that is not vaulted, or the tank size is not appropriate for the type of inventory monitoring chosen.)

Additional Comments:

_____

_____

_____

_____

_____

Information has been reviewed and placed within the database:

Date entered within the database: _____

Entered by (name): _____

AEG:cas
\response.lis

TIGHTNESS TESTING REPORTS
EVALUATION FORM

Specialist reviewing the tightness test report: Carrie Deorgi

Date tightness test reports were submitted: 9/8/92

Date tightness tests were completed: 7/8/92

Facility Permit Number: 600015

Number of Tanks Tested at the site: 3 (list the tanks by their tank numbers if provided)

Was the method a test of the entire tank system, piping alone, or just the facility tanks? (describe) entire tank system

Did the facility pass all tests: ✓ Yes _____ No
(if no, provide the leak rate and a description of the tank(s) that failed the test) (failure is > 0.1 gal per hour)

The facility will do the following to investigate the failed test:

The test method certification that is submitted to the state specifies that each test method be completed in a certain manner. Is there anything within the results which would suggest that the tank test was improperly completed? _____ Yes ✓ No

(describe)

The waste oil tank hasn't been tested yet.

Information has been reviewed and placed within the database: _____YES _____NO

Date entered within the database: _____

SUMMARY OF UNDERGROUND STORAGE TANK SYSTEM TESTING

NDE ENVIRONMENTAL CORPORATION
20000 Mariner Avenue, Suite 500
Torrance, California 90503
(310) 542-4342

Date: July 20, 1992

Test Date: 7/8/92

Chevron
1300 S. Beach Blvd.
La Habra, CA 90631

SEP - 8 1992

Chevron #98616
I-5/Hwy 99
Lebec, CA

Work Order No. 910373

The following tests were conducted at the site described above in accordance with all applicable portions of federal, NFPA, state, and local regulations and codes.

TANK SYSTEM INFORMATION

Tank No.	Tank Capacity	Tank Diameter	Product	Product Level	Tank Material	Vapor Recovery Type
1	10000	95	SUPREME	66" 7550	SWS	COAX
2	12000	95	UNLEADED	59" 7975	SWS	COAX
3	5000	95	ULNLEADED	65" 3700	SWS	COAX

TESTING RESULTS

Tank No.	VPLT Volume Change (gph)	Wetted Portion of Tank Pass/Fail	Ullage Portion of Tank Pass/Fail	Product Lines Pass/Fail	Vent & Vapor Lines Pass/Fail	Leak Detector Present? Yes/No	Leak Detector Results Pass/Fail
1	-.001	PASS	PASS	PASS	PASS	YES	PASS
2	.020	PASS	PASS	PASS	PASS	YES	PASS
3	-.031	PASS	PASS	PASS	PASS	YES	PASS

ADDITIONAL INFORMATION

NDE appreciates the opportunity to serve you, and looks forward to working with you in the future. Please call any time, day or night, when you need us.

NDE Customer Service Representative

Braden Q. Ballreich

Testing conducted by

Richard Ray
License No. 93-1105

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TESTING SUMMARY

WORK ORDER NUMBER:	910373	SALES REPRESENTATIVE:	BRAD BALLREICH
TEST DATE:	7/8/92	TEST START TIME:	7PM
TECH(S)	RICHARD RAY	VAN NUMBER:	57
SITE NAME:	CHEVRON	VAN MILEAGE:	24945
SITE ADDRESS:	I-5 AT GRAPEVINE	OIL CHECK:	YES
	LEBEC, CA	TECHNICIAN SIGNATURE	
SITE PHONE:	805-248-6103	OTHER NDE PERSONNEL	
SITE ID NUMBER:	98616	TECHNICIAN CERTIFICATION NUMBER:	90-1105

*WASTE OIL WAS LOCKED COULD NOT FORCE OPEN - DID NOT TEST.

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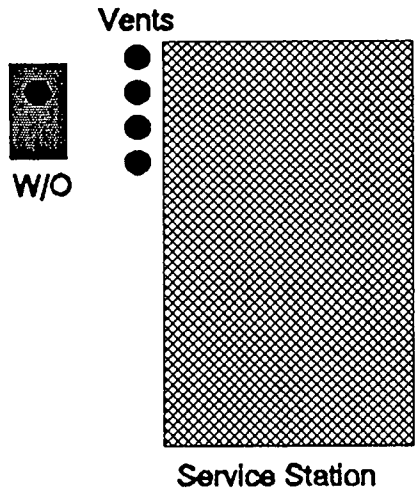
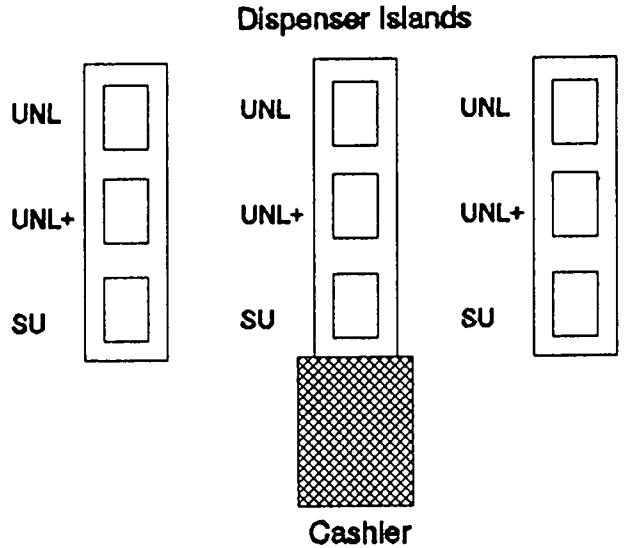
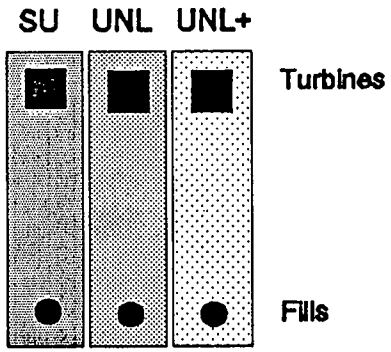
I-5







CHEVRON STATION
#98616
I-5 at the Grapevine
Lebec, CA
805-248-6103

TANK TESTING DATA

NDE utilizes the patented VPLT-A Computerized Tank Leak Testing System for all precision tank tests. This sytem meets or exceeds all federal, state, and local regulatory requirements for precision underground storage tank testing.

	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6
Product:	SUPREME	UNLEADED	UNLEADED +			
True capacity:	10000	12000	5000			
Manifolded tanks:	NO	NO	NO			
Siphoned tanks:	NO	NO	NO			
Manifolded vents:	NO	NO	NO			
Manifolded V.R.:	NO	NO	NO			
Tank botton to top of fill:	140	139	139			
Fill pipe length:	45	46	46			
Tank diameter:	95	95	95			
Tank bottom to grade level:	145	144	145			
Fill pipe diameter:	4	4	4			
Fluid level:	66	59	65			
Fluid volume:	7550	7975	3700			
Water in tank:	0	0	0			
Specific gravity:	.72	.72	.72			
Tank construction:	SWS	SWS	SWS			
OFT/UFT No. thermistors: Ground water level: How determined:	UFT 5 UNK NO WELLS	UFT 5 UNK NO WELLS	UFT 5 UNK NO WELLS			
Test start time: Test finish time:	2026 2227	2032 2243	2043 2239			
Total temperature change (degrees F):	.016	-.039	.039			
Total fluid level change (inches):	-.0001	-.001	.001			
Leak rate (GPH):	-.001	.020	-.031			
PASS/FAIL:	PASS	PASS	PASS			

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ULLAGE TESTING DATA

NDE utilizes the UTS-4T Ullage Testing System for all precision ullage tests. This sytem meets or exceeds all federal, state, and local regulatory requirements for precision underground storage tank testing.

	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6
Product:	SUPREME	UNLEADED	UNLEADED +			
True capacity:	10000	12000	5000			
Ullage volume:	2450	4025	1300			
Fluid pressure on tank bottom (PSI):	1.7	1.5	1.7			
Test ullage pressure (PSI):	2.3	2.5	2.3			
Stabilization time (minutes):	15	20	10			
Fill start time:	11:10	12:15	1:30			
Time to 1 PSI:	11:12	12:18	1:32			
Time to test pressure:	11:30	12:30	1:50			
Start time for test 1:	11:45	12:50	2:00			
Nitrogen flow (cubic feet per hour/CFH):	.2	.2	.2			
Ullage temperature:	85.2	85.6	84.9			
Finish time for test 1:	11:55	1:00	2:10			
Nitrogen flow (CFH):	.25	.1	.2			
Start time for test 2:	12:00	1:00	2:15			
Nitrogen flow (CFH):	.2	.2	.2			
Ullage temperature:	85.0	85.8	95.2			
Finish time for test 2:	12:10	1:10	2:25			
Nitrogen flow (CFH):	.2	.1	.2			
Start time for test 3:						
Nitrogen flow (CFH):						
Ullage temperature:						
Finish time for test 3:						
Nitrogen flow (CFH):						
PASS/FAIL:	PASS	PASS	PASS			

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LINE TESTING DATA

NDE utilizes the PTK-88 Line Testing System for all precision line tests. This system meets or exceeds all federal, state, and local regulatory requirements for precision underground storage tank testing.

	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6
Product:	SUPREME	UNLEADED	UNLEADED +			
Pump type:	WAYNE	WAYNE	RED JACKET			
Isolator:	BULLET	BULLET	BULLET			
Test pressure:	50	50	50			
Test start time:	1:05	12:20	11:35			
Starting pressure:	50	50	50			
Total test time:	10	10	10			
Finishing pressure:	45	48	46			
Volume loss:	15	12	16			
GPH loss:	-.024	-.019	-.025			
PASS/FAIL:	PASS	PASS	PASS			

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without the express written permission of NDE Environmental Corporation.

LEAK DETECTOR DATA

NDE utilizes the FTA Leak Detector Testing Apparatus for all precision leak detector tests. This apparatus tests leak detectors in accordance with the manufacturer's protocol for testing.

	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6
Serial number:						
Product:	SUPREME	UNLEADED	UNLEADED +			
Leak detector manufacturer:	RED JACKET	RED JACKET	RED JACKET			
Leak detector model:	DIA	DIA	DIA			
Leak detector serial number:	10589-7775	10491 6040	10589-7791			
Resiliency:	60	51	72			
Leak calibration:	280	225	260			
Open time:	2.5	3	2			
Element holding:	8	12	16			
Metering PSI:	10	10	14			
Confirm sensing of calibrate leak after keying nozzle:	YES	YES	YES			
Does leak detector reset from GPH orifice?:	YES	YES	YES			
Is seal/pressure relief tight (PLD only)?:	N/A	N/A	N/A			
PASS/FAIL:	PASS	PASS	PASS			

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without the express written permission of NDE Environmental Corporation.

IMPACT VALVE REPORT

Please answer yes or no to the following:

DISPENSER NUMBER	PRODUCT	LEVER FUNCTIONS	CORRECT HEIGHT	BASE ANCHORED	SEALS INTERNALLY
1	SUP	YES	YES	YES	YES
2	UL +	YES	YES	YES	YES
3	RUL	YES	YES	YES	YES
4-5	SUP	YES	YES	YES	YES
6	UL +	YES	YES	YES	YES
7-8	RUL	YES	YES	YES	YES
9-10	SUP	YES	YES	YES	YES
11-12	UL +	YES	YES	YES	YES
13-14	RUL	YES	YES	YES	YES

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Kern County
Environmental Health Services Dept.
2700 M Street, Suite 300
Bakersfield, CA 93301
(805) 861-3636

Internal Use Only
PTT No 10207 # Tanks to Test 4
Test to include: Tank only
Tank/Piping
PTO No. 600015 Appl. Date 6.30.92

APPLICATION FOR PERMIT TO TEST UNDERGROUND HAZARDOUS SUBSTANCES STORAGE TANK

POST ON PREMISES

A. Facility Information

Kern County Environmental Health Services Dept. Permit to Operate # 600015
(If there is no permit number, an application for a permit to operate must be submitted and approved before the permit to test can be processed).
Proposed Test Date: 7-8-92 / 7AM.

Facility Name CHEVRON STATION #98616
Address I-5 & HWY 99, LEBEC, CA.

TANK #	SIZE	PRODUCT	AGE OF TANK	COMMENTS
1	10K	SUP UNL		
2	5K	UNL PLUS		
3	12K	UNL		
4	1K	WASTE OIL		

Contact Person Day MARY ZERA Phone (805) 248-6103
Night " / " Phone ( )

B. Tank Owner Information

Owner Name CHEVRON USA Phone (310) 694-7349
Mailing Address 1300 S. BEACH BLVD
LA HABRA, CA. Zip Code 90631

C. Testing Company Information

Company Name NDE ENVIRONMENTAL CORP
Address 20000 MARINER AVE, STE 500, TORRANCE, CA 90503

Contact Person Day FRANK MILLER Phone (805) 633-0144
Night BRAD BALLRICH Phone (800) 800 4633

Worker's Compensation Insurance # WCC 3749837 9-29-92
Liability Insurance # PPPF 555 337 12-1-92
Test Method Used VPLT & UTS-4
State Licensed Tester RICHARD RAY
State Licensed Tester # 93-1105

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

PTT # T0207
PTO # 600015

POST ON PREMISES

CONDITIONS AS FOLLOWS:

1. It is the responsibility of the Permittee to obtain permits which may be required by other regulatory agencies prior to beginning work (i.e., City Fire and Building Departments).
2. Permittee must notify the Hazardous Materials Management Program at (805) 861-3636 twenty-four hours prior to tank integrity test to allow the Hazardous Material Specialist the option of performing an inspection.
3. Tank integrity test must be per Kern County Environmental Health and Fire Department approved methods as described in Handbook UT-20.
4. It is the state-licensed tester's responsibility to know and adhere to all applicable laws regarding the handling of hazardous materials.
5. The tank integrity testing company must have the state-licensed tester listed on the permit on site performing the test.
6. If any tester other than the one listed on the permit and permit application is to be utilized, prior consent must be granted by the approving specialist on the permit. Deviation from the submitted application is not allowed.
7. A modification permit must be obtained from the department prior to exposing the tank to retest or investigating a release or failed integrity test.
8. The following timetable lists pre- and post-tank integrity test requirements:

ACTIVITY	DEADLINE
Complete permit application submitted to the Hazardous Material Management Program	At least one week prior to tank integrity test
Notify the approving specialist of date and time of the tank integrity test	At least 24 hours before test
Send written results of a test to the approving specialist	No later than 30 days after testing is completed
Notify the approving specialist of the results of a failed/inconclusive test	No later than 24 hours after completion of analysis

RECOMMENDATIONS/GUIDELINES FOR THE PERFORMANCE OF A TANK INTEGRITY TEST ON UNDERGROUND STORAGE TANKS

This department is responsible for enforcing the state laws pertaining to underground storage tanks. Representatives from this department perform inspections to ensure that the job performance is consistent with permit requirements, applicable laws, and safety standards. The following guidelines are offered to clarify the interests and expectations of this department.

1. Job site safety is one of our primary concerns. Tank integrity tests are inherently dangerous. It is the tester's responsibility to know and abide by CAL-OSHA regulations. The state-licensed tester is responsible for any other testing company employees on the job site. Tools and equipment are to be used only for their designed function.
2. Properly state-licensed testers are assumed to understand the requirements of the permit issued. The tester is responsible for knowing and abiding by the conditions of the permit. Deviation from the permit conditions may result in a stop-work order.
3. The testing company will be held responsible for the post-test paperwork. Analyses documentation is necessary for each site in order to close a case file or move it into mitigation. When testers do not follow through on necessary paperwork, an unmanageable backlog of incomplete cases results. If this continues, processing time for completing new tank integrity tests will increase.

THE APPLICANT HAS RECEIVED, UNDERSTANDS, AND WILL COMPLY WITH THE ABOVE CONDITIONS OF THIS PERMIT AND ANY OTHER STATE, LOCAL AND FEDERAL REGULATIONS.

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY AND TO THE BEST OF MY KNOWLEDGE IS TRUE AND CORRECT.

Owner's Signature _____ Date _____ Authorized Representative Frank L. Miller Date 6-30-92

INTERNAL USE ONLY

Permit Approved Connie Deorge Date 7-1-92

Total Fee 220.00 Paid On 6.30.92

Receipt # 15078 Cash ____ Check # ✓

Fee Received By N. Fenton

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

HM44

If plot plan information is available before the test, provide a plot plan of the facility showing all important points (including but not limited to):

* tank location and number/designation, pump location, all buildings and roads, vapor, vent and product lines, fill boxes, etc.

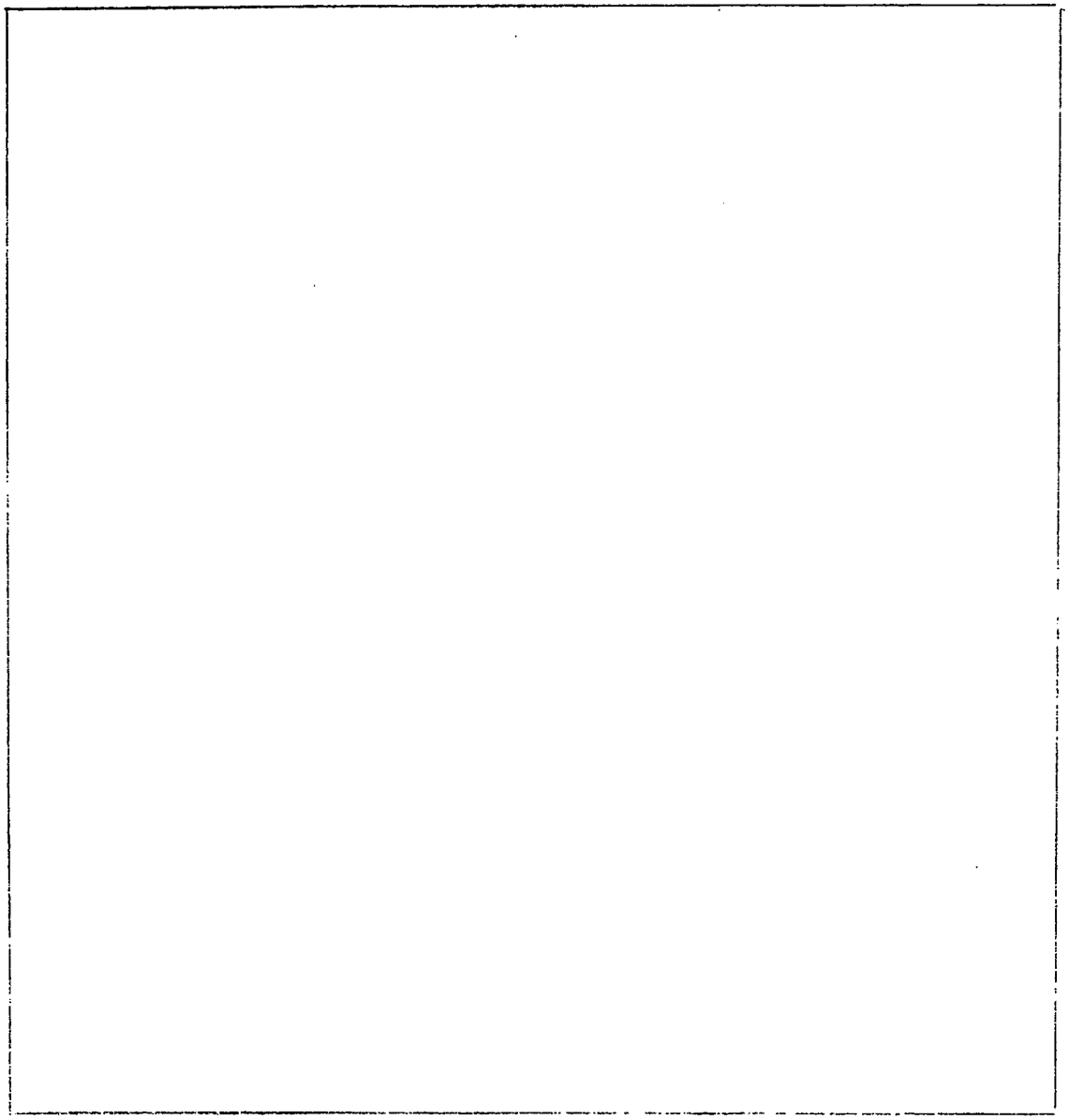
* Proposed tanks to be tested designated by this symbol " O ".

* Nearest street or intersection

* Any water wells or surface waters within 100' radius of facility

* North Arrow

If plot plan information is not available before the test, it must be submitted with the test results.



RESOURCE MANAGEMENT AGENCY

RANDALL L. ABBOTT
DIRECTOR

DAVID PRICE III
ASSISTANT DIRECTOR

Environmental Health Services Department
STEVE McCALLEY, REHS, DIRECTOR

Air Pollution Control District
WILLIAM J. RODDY, APCO

Planning & Development Services Department
TED JAMES, AICP, DIRECTOR

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

UNDERGROUND STORAGE TANK PERMIT UPDATE QUESTIONNAIRE

THIS QUESTIONNAIRE MUST BE COMPLETED AND RETURNED WITH YOUR INVOICE PAYMENT.

PERMIT # 6000196-92 NUMBER OF TANKS 3
FACILITY STALLION SPRINGS GENERAL STORE
ADDRESS 27750 STALLION SPRINGS DR.
CITY/STATE TEHACHAPI, CA 93561

TANK OWNER JAMES C. & GRACE THORNTON PHONE #(805) 822-6371
ADDRESS 27750 STALLION SPRINGS DR.
CITY/STATE TEHACHAPI CA ZIP 93561

OPERATOR JAMES C. & GRACE THORNTON PHONE #(805) 822-6371
ADDRESS 27750 STALLION SPRINGS DR.
CITY/STATE TEHACHAPI, CA ZIP 93561

IF A TRANSFER OF OWNERSHIP HAS TAKEN PLACE WITHIN THE LAST YEAR, PLEASE COMPLETE THE FOLLOWING:

DATE OF TRANSFER: MONTH _____ DAY _____ YEAR _____
PREVIOUS OWNER: _____
PREVIOUS FACILITY NAME (IF CHANGED): _____

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY AND TO THE BEST OF MY KNOWLEDGE IS TRUE AND CORRECT.

SIGNATURE James C. Thornton TITLE Owner DATE 5-19-92
Grace Thornton Owner 5-19-92

IF YOU HAVE ANY QUESTIONS PLEASE CALL JANE WARREN AT (805) 861-3636 EXT. 554.

ch
HM4

RECEIVED BY
RESOURCE MGMT AGENCY

92 MAY 21 P2:34

KERN COUNTY RESOURCE MANAGEMENT AGENCY
ENVIRONMENTAL HEALTH SERVICES DEPARTMENT
2700 "M" STREET, SUITE 300, BAKERSFIELD, CA. 93301
(805)861-3636

UNDERGROUND HAZARDOUS SUBSTANCE STORAGE FACILITY
* INSPECTION REPORT *

PERMIT# 600015C TIME IN 1:30 TIME OUT _____ NUMBER OF TANKS: 3
PERMIT POSTED? YES X NO ✓ INSPECTION DATE: 4-8-92
TYPE OF INSPECTION: ROUTINE _____ REINSPECTION _____ COMPLAINT _____

FACILITY NAME: CHEVRON U.S.A., INC.
FACILITY ADDRESS: I-5 & GRAPEVINE/[redacted]
LEBEC, CA
OWNERS NAME: CHEVRON U.S.A., INC.
OPERATORS NAME: CHEVRON U.S.A., INC.
COMMENTS: _____

ITEM	VIOLATIONS/OBSERVATIONS
1. PRIMARY CONTAINMENT MONITORING: a. Intercepting an directing system b. Standard Inventory Control c. Modified Inventory Control d. In-tank Level Sensing Device e. Groundwater Monitoring f. Vadose Zone Monitoring	Monitor in annular space of W.O.6 tank. Monitor forms for Standard Inventory Kept & TREND ANALYSES.
2. SECONDARY CONTAINMENT MONITORING: a. Liner b. Double-Walled tank / W.O.6. c. Vault	3 Single Wall tanks
3. PIPING MONITORING: ✓ a. Pressurized b. Suction c. Gravity	Check line leak detectors for compliance
4. OVERFILL PROTECTION:	Install overspill boxes with 5.0gal min capacity & drains within 60 days
5. TIGHTNESS TESING	Perform tightness test before 1/1/93
6. NEW CONSTRUCTION/MODIFICATIONS	NO
7. CLOSURE/ABANDONMENT	NO
8. UNAUTHORIZED RELEASE	NO
9. MAINTENANCE, GENERAL SAFETY, AND OPERATING CONDITION OF FACILITY	Good

COMMENTS/RECOMMENDATIONS _____

REINSPECTION SCHEDULED? ____ yes X no APPROXIMATE REINSPECTION DATE: _____
INSPECTOR: L. Deorge REPORT RECEIVED BY: [signature]

4-9-92
Jane.
PTO# 600015
Please document
& process.
B/C M being completed
as required. Continuous monitor
within annular
space of W06
tank.
Thanks
Amy

KERN COUNTY AIR POLLUTION CONTROL DISTRICT

2700 "M" Street, Suite 275

Bakersfield, CA. 93301

(805) 861-3682

PHASE II VAPOR RECOVERY INSPECTION FORM

Station Location I 5, Grapevine Exit P/O # 8031164-106

Company Address Star Route 1, Box 25 City Lebec Zip 93243

Contact Larry Benton Phone _____ System Type: BA RJ HI HE GH HA

Inspector C. Deorge Date 4-8-92 Notice Rec'd By Larry Benton

NOZZLE #	1	2	3	4	5	6	7	8	9	10	11	12	13			
GAS GRADE	SUL	ULT	RUL	SUL	SUL	ULT	RUL	RUL	SUL	SUL	ULT	ULT	ULT			
NOZZLE TYPE	EW	EW	EW	EW	EW	EW	EW	EW	EW	EW	EW	EW	EW			

NOZZLE	1. CERT. NOZZLE															
	2. CHECK VALVE															
	3. FACE SEAL															
	4. RING, RIVET															
	5. BELLOWS															
	6. SWIVEL(S)															
	7. FLOW LIMITER (EW)															
VAPOR HOSE	1. HOSE CONDITION															
	2. LENGTH															
	3. CONFIGURATION															
	4. SWIVEL															
	5. OVERHEAD RETRACTOR															
	6. POWER/PILOT ON															
	7. SIGNS POSTED															

Key to system types:
BA=Balance HE=Healey
RJ=Red Jacket GH=Gulf Hasselmann
HI =Hirt HA =Hasstech

Key to deficiencies: NC= not certified, B= broken
M= missing, TO= torn, F= flat, TN= tangled
AD= needs adjustment, L= long, LO= loose,
S= short MA= misaligned, K= kinked, FR= frayed.

** INSPECTION RESULTS **																

Key to inspection results: Blank= OK, 7= Repair within seven days, T= Tagged (nozzle tagged out-of-order until repaired)
U= Taggable violation but left in use.

COMMENTS: _____

VIOLATIONS: SYSTEMS MARKED WITH A "T OR U" CODE IN INSPECTION RESULTS, ARE IN VIOLATION OF KERN COUNTY AIR POLLUTION CONTROL DISTRICT RULE(S) 412 AND/OR 412.1. THE CALIFORNIA HEALTH & SAFETY CODE SPECIFIES PENALTIES OF UP TO $1,000.00 PER DAY FOR EACH DAY OF VIOLATION. TELEPHONE (805) 861-3682 CONCERNING FINAL RESOLUTION OF THE VIOLATION.

NOTE: CALIFORNIA HEALTH & SAFETY CODE SECTION 41960.2, REQUIRES THAT THE ABOVE LISTED 7-DAY DEFICIENCIES BE CORRECTED WITHIN 7 DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION

9149-1(15

APCD FILE

KERN COUNTY AIR POLLUTION CONTROL DISTRICT

2700 "M" Street, Suite 275

Bakersfield, CA. 93301

(805) 861-3682

PHASE I VAPOR RECOVERY INSPECTION FORM

Station Name Chevron U.SA. Location I5, Grapevine Exit P/O # 8031104-106

Company Mailing Address Star Route 1, Box 25 City Lebec 93243

Date 4-8-92 Phone (805) 248-6103 System Type: Sep. Riser / Coaxial (circled)

Inspector C. George Notice Rec'd By [signature]

		TANK #1	TANK #2	TANK #3	TANK #4
1.	PRODUCT (UL, PUL, P, or R)	UL+	UL+	SUL	
2.	TANK LOCATION REFERENCE	East	Middle	West	
3.	BROKEN OR MISSING VAPOR CAP				
4.	BROKEN OR MISSING FILL CAP				
5.	BROKEN CAM LOCK ON VAPOR CAP				
6.	FILL CAPS NOT PROPERLY SEATED				
7.	VAPOR CAPS NOT PROPERLY SEATED				
8.	GASKET MISSING FROM FILL CAP				
9.	GASKET MISSING FROM VAPOR CAP				
10.	FILL ADAPTOR NOT TIGHT				
11.	VAPOR ADAPTOR NOT TIGHT				
12.	GASKET BETWEEN ADAPTOR & FILL TUBE MISSING / IMPROPERLY SEATED				
13.	DRY BREAK GASKETS DETERIORATED				
14.	EXCESSIVE VERTICAL PLAY IN COAXIAL FILL TUBE				
15.	COAXIAL FILL TUBE SPRING MECHANISM DEFECTIVE				
16.	TANK DEPTH MEASUREMENT	144"	141"	142"	
17.	TUBE LENGTH MEASUREMENT	138"	135½"	137"	
18.	DIFFERENCE (SHOULD BE 6" OR LESS)	6"	5½"	5"	
19.	OTHER				

20. COMMENTS:

☆ **WARNING:** SYSTEMS MARKED WITH A CHECK ABOVE ARE IN VIOLATION OF KERN COUNTY AIR POLLUTION CONTROL DISTRICT RULE(S) 209, 412 AND/OR 412.1. THE CALIFORNIA HEALTH & SAFETY CODE SPECIFIES PENALTIES OF UP TO $1,000.00 PER DAY FOR EACH VIOLATION. TELEPHONE (805) 861-3682 CONCERNING FINAL RESOLUTION OF THE VIOLATION(S) ☆☆☆☆

APCD FILE

9149-1010

RESOURCE MANAGEMENT AGENCY

RANDALL L. ABBOTT
DIRECTOR

DAVID PRICE III
ASSISTANT DIRECTOR

Environmental Health Services Department
STEVE McCALLEY, REHS, DIRECTOR

Air Pollution Control District
WILLIAM J. RODDY, APCO

Planning & Development Services Department
TED JAMES, AICP, DIRECTOR

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT
PERMIT TO OPERATE UNDERGROUND HAZARDOUS STORAGE FACILITY

Permit No.: 600015C **State ID No.:** 600015

Issued to: CHEVRON U.S.A., INC. **No. of Tanks:** 4

Location: I-5 & GRAPEVINE/LEBEC
LEBEC, CA

Owner: CHEVRON U.S.A., INC.
P. O. BOX 5004
SAN RAMON, CA 94583-0804

Operator: CHEVRON U.S.A., INC.
2 ANNABEL LANE, SUITE 200
SAN RAMON, CA 94583

Facility Profile:

Tank No.	Substance Code	Tank Contents	Tank Capacity	Year Installed	Is piping Pressurized?
1	MVF 1	REGULAR	12,000	1968	YES
2	MVF 1	PREMIUM	5,000	1968	YES
3	MVF 1	UNLEADED	10,000	1968	YES
4	WO 6	WASTE OIL	1,000	1987	NO-GRAVITY

This permit is granted subject to the conditions and prohibitions listed on the attached summary of conditions/prohibitions

By: Steve McCalley
Steve McCalley

Title: Director, Environmental Health Services Department

Issue Date: September 23, 1991

Expiration Date: September 23, 1996

-- POST ON PREMISES --
NONTRANSFERABLE

2700 "M" STREET, SUITE 300 BAKERSFIELD, CALIFORNIA 93301 (805) 861-3636
FAX: (805) 861-3429

HAZARDOUS UNDERGROUND STORAGE FACILITY PERMIT
SUMMARY OF CONDITIONS/PROHIBITIONS

CONDITIONS/PROHIBITIONS:

1. The facility owner and operator must be familiar with all conditions specified within this permit and must meet any additional requirements to monitor, upgrade, or close the tanks and associated piping imposed by the permitting authority.

2. If the operator of the underground storage tank is not the owner, then the owner shall enter into a written contract with the operator, requiring the operator to monitor the underground storage tank; maintain appropriate records; and implement reporting procedures as required by the Department.

3. The facility owner and operator shall ensure that the facility has adequate financial responsibility insurance coverage, as mandated for all underground storage tanks containing petroleum, and supply proof of such coverage when requested by the permitting authority.

4. The facility owner must ensure that the annual permit fee is paid within 30 days of the invoice date.

5. The facility will be considered in violation and operating without a permit if annual permit fees are not received within 60 days of the invoice date.

6. The facility owner and/or operator shall review the leak detection requirements provided within this permit. The monitoring alternative shall be implemented within 60 days of the permit issue date.

7. The facility underground storage tanks must be monitored, utilizing the option approved by the permitting authority, until the tank is closed under a valid, unexpired permit for closure.

8. Any inactive underground storage tank which is not being monitored, as approved by the permitting authority, is considered improperly closed. Proper closure is required and must be completed under a permit issued by the permitting authority.

9. The facility owner/operator must obtain a modification permit before:
   a. Uncovering any underground storage tank after failure of a tank integrity test.
   b. Replacement of piping.
   c. Lining the interior of the underground storage tank.

10. The tank owner must advise the Environmental Health Services Department within 10 days of transfer of ownership.

11. Any change in state law or local ordinance may necessitate a change in permit conditions. The owner/operator will be required to meet new conditions within 60 days of notification.

12. The owner and/or operator shall keep a copy of all monitoring records at the facility for a minimum of three years, or as specified by the permitting authority. They may be kept off site if they can be obtained within 24 hours of a request made by the local authority.

13. The owner/operator must report any unauthorized release which escapes from the secondary containment, or from the primary containment if no secondary containment exists, which increases the hazard of fire or explosion or causes any deterioration of the secondary containment within 24 hours of discovery.

MONITORING REQUIREMENTS: (MVF1S and WO6pr,gr)

1. All underground storage tanks designated as MVF 1 within the first page of this permit shall be monitored utilizing the following method:

    a. **Standard Inventory Control Monitoring** (Tank gauging five to seven days per week). Kern County Environmental Health Services Department forms shall be utilized unless a facility form can provide the same information and has been reviewed and approved by the Environmental Health Services Department. (Monitoring shall be completed in accordance with requirements summarized in Handbook UT10.) - **This option cannot be used after January 1, 1993. AND**

    b. All tanks shall be **tested annually** utilizing a tank integrity test which has been certified as being capable of detecting a leak of 0.1 gallon per hour with a probability of detection of 95 percent and a probability of false alarm of 5 percent. The first test shall be completed before December 31, 1991, and subsequent tests completed each calendar year thereafter. All tank integrity tests completed after September 16, 1991, shall be completed under a valid unexpired permit to test issued by the Environmental Health Services Department.

    c. **After January 1, 1993, each tank shall be equipped with an in-tank level sensor,** which is to be utilized on a monthly basis to monitor for releases. The equipment must be certified as capable of detecting 0.2 gallons per hour, defined at any normal operating product level in the underground storage tanks with a 95 percent probability of detection and a 5 percent probability of false alarm.

2. All underground storage tanks designated as **WO6** within the first page of this permit shall be monitored utilizing the following method:

    a. Each tank shall be equipped with a **continuous monitoring device within the interstitial space,** which must be connected to an audible and visual alarm system within 60 days of the issue date on page 1 of this permit.

    b. **All piping sumps shall be monitored manually or by utilizing an electronic monitoring device.**

    c. All pressurized piping systems shall install pressurized piping leak detection systems and ensure that they are capable of functioning as specified by the manufacturer. The mechanical leak detection systems must be capable of alerting the owner/operator of a leak by restricting or shutting off the flow of hazardous substances through the piping, or by triggering an audible or visual alarm, detecting three gallons or more per hour per square inch line pressure within one hour.

    d. All pressurized piping systems shall be tested annually unless the facility has installed the following:

        1. A continuous monitoring system within secondary containment.
        2. The continuous monitor is connected to an audible and visual alarm system and the pumping system.

3. The continuous monitor shuts down the pump and activates the alarm system when a release is detected.
4. The pumping system shuts down automatically if the continuous monitor fails or is disconnected.

The first test shall be completed before December 31, 1991, and subsequent tests completed each calendar year thereafter.

3. All equipment installed for leak detection shall be operated and maintained in accordance with manufacturer's instructions, including routine maintenance and service checks (at least once per year) for operability or running condition.

4. A monitoring response plan shall be developed and submitted to the department for review and approval within 90 days of the issuance date of this permit.

5. An annual report shall be submitted to the Kern County Environmental Health Services Department each year after monitoring has been initiated. The owner or operator shall use the form provided along with the permit, or another which has received prior approval by the department.

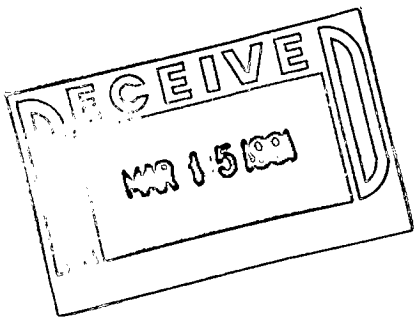
(9)

WC TANK AND EQUIPMENT INFORMATION
3-PARTY and CO-OP

COUNTY: KERN

STN NUM	DEALER NAME	ADDRESS	PHONE #	ZONE	TK #	TNK INS YR	TANK SIZE	TK TP CD	TNK PRD COD	R	I
~~90705~~	~~RAY SUTTON INC~~	~~9700 ROSEDALE HIGHWAY, BAKERSFIELD~~	~~805 589-9011~~	~~3G~~	~~1~~	~~69~~	~~10000~~	~~4~~	~~SU~~		
X	NEW TANKS - 3/91 completed				~~2~~	~~69~~	~~5000~~	~~4~~	~~RL~~		
					~~3~~	~~69~~	~~10000~~	~~4~~	~~RU~~		
					~~4~~	~~69~~	~~1000~~	~~4~~	~~WO~~		
91536	STEVE R THORNE, INC.	2700 OSWELL STREET, BAKERSFIELD	805 871-1200	3G	1	84	10000	2	RL		
7/22		090022			2	84	10000	2	SU		← Laurel
					3	84	10000	2	RU		
~~92500~~	~~S & W TRUCK STOP INC~~	~~WEEDPATCH HWY/BRUNDAGE, BAKERSFIELD~~	~~805 866-5548~~	~~3G~~	~~1~~	~~70~~	~~12000~~	~~4~~	~~RL~~		
●	ABANDON - 2/91				~~2~~	~~70~~	~~6000~~	~~4~~	~~SU~~		
					~~3~~	~~70~~	~~12000~~	~~4~~	~~RU~~		
					~~4~~	~~70~~	~~12000~~	~~4~~	~~D2~~		
					~~5~~	~~70~~	~~12000~~	~~4~~	~~D2~~		
92718	COMPU - PLAN	5101 STOCKDALE HWY, BAKERSFIELD	805 832-1818	5G	1	76	10000	4	RL		
7/23		280025			2	76	10000	4	SU		← Wesley
					3	76	10000	4	RU		
93249	CHEVRON USA INC-L BENTON	I-5 & HWY 58, BUTTONWILLOW	805 764-5419	5G	1	72	10000	2	SU		
7/24		370013			2	72	6000	2	RL		← Chris
					3	72	10000	2	RU		
~~94416~~	~~SONNY SWAFFAR~~	~~3600 WILSON ROAD, BAKERSFIELD~~	~~805 831-6075~~	~~3G~~	~~1~~	~~78~~	~~10000~~	~~2~~	~~RL~~		
X	NEW TANKS - B. RANDLE				~~2~~	~~78~~	~~10000~~	~~2~~	~~SU~~		
					~~3~~	~~78~~	~~10000~~	~~2~~	~~RU~~		
					~~4~~	~~71~~	~~1000~~	~~1~~	~~WO~~		
94721	JOHN FOWLER	700 AIRPORT DRIVE, OILDALE	805 399-9723	3G	1	69	10000	1	SU		
7/25		020008			2	69	5000	1	RL		
					3	69	10000	1	RU		← Chris
					4	69	1000	1	WO		
98616	CHEVRON USA INC-L BENTON	HWY I-5&GRAPEVINE TURN OFF, LEBEC	805 248-6103	5G	1	68	10000	4	SU		
7/29		600015			2	68	5000	4	RL		
					3	68	12000	4	RU		← Carrie

MCPTKEQP on TEAYU
run on 02/12/91


RECEIVED
MAY 15

STAFF REVIEW OF TIGHTNESS TESTING REPORTS

Specialist reviewing the tightness test report: Carrie Georgi

Date tightness test reports were submitted: 8/15/91

Date tightness tests were completed: 7/29/91

Facility Permit Number: 600015

Number of Tanks Tested at the site: 3 (list the tanks by their tank numbers if provided)

Was the method a test of the entire tank system, piping alone, or just the facility tanks? (describe) The test was performed on the entire tank system.

Did the facility pass all tests: ✓ Yes _____ No
(if no, provide the leak rate and a description of the tank(s) that failed the test) (failure is > 0.1 gal per hour)

The facility will do the following to investigate the failed test:

The test method certification that is submitted to the state specifies that each test method be completed in a certain manner. Is there anything within the results which would suggest that the tank test was improperly completed? _____ Yes ✓ No

(describe)

Information has been reviewed and placed within the database:

Date entered within the database: 9/10/91 9/11/91

Entered by (name) J Warren

Chevron U.S.A. Inc.
2410 Camino Ramon, San Ramon, California • Phone (415) 842-9500
Mail Address: P.O. Box 5004, San Ramon, CA 94583-0804

600015

Date AUG 12 '91 M.L.F.

RECEIVED
AUG 15 1991

Marketing Operations

R. B. Bellinger
Manager, Operations
S. L. Patterson
Area, Manager, Operations
C. G. Trimbach
Manager, Engineering

Kern County - Dept of Health
1415 Truxton
Bakersfield Ca 93301

Re: Annual Precision Tank and Lines Test Result
Amy Green :

Enclosed are the required annual precision tank and line test results for the following Chevron owned service stations within your County of Kern

SS#
9-8616 - - I-5 & Grapevine - Lebec
Product

The above list may not be a complete list of Chevron owned sites within your city/county. Results for those not listed will be forthcoming.

If you have any questions, please call Marge Farrar, at (415) 842-9624.

Very truly yours,

R. B. Bellinger

By M.L. Farrar

MLF:gsb/V2-154
Enclosure

TANKNOLOGY
TECHNOLOGY FOR TANKS AND THEIR ENVIRONMENT

VacuTect ™ TANK TESTING REPORT

S.O.# 31938

Customer CHEVRON USA, INC. #M56CWC0018-1 Site # 98616 Date 7/29/91

Invoice Name/Address CHEVRON USA, INC., 2410 CAMINO RAMON, SAN RAMON, CA 94583 Phone 415-842-9624

Site Name/Address CHEVRON #98616, I5 & GRAPEVINE, LEBEC, CA 93243 Att'n: MARGE FARRAR

TANKS												LINES				Leak Det		COMMENTS Note alterations or repairs.
See Log for Doc. Tank #	Tank Product	Tank Dia.	Tank Gallons	Tank Mat'l ■ ST / FRP/ Lined	Dipped Water Level ■ START / END	Dipped Product Level ■ START / END	Probe Water Level ■ START / END	Water ingress Detected ■ Yes/No	Bubble ingress Detected ■ Yes/No	Ullage Air Ingress Detected ■ Yes/No	Tight (T) or Fail (F)	Line#	Line Mat'l ■ ST / FRP	Deliv Syst. ■ PS / SS	Tight (T) or Fail (F)	Exist LD Pass (P) Fail (F) or NONE	NEW PreTested LD ■ SOLD Yes/No	TANKS and LINES Tested to CFR-40 Parts 280-281 and NFPA 329 Spec's. Other:
1	RUN	96	12K	ST	0	65	.16	NO	NO	NO	T	1A	ST	PS	T			Exist LD SN: 40481-0564
	Start Time:											1B						New LD SN:
	End Time:			72%	0	65	.16					1C						Pump Mfr.: WAYNE
												1D						
2	REG	96	5K	ST	0	67	.16	NO	NO	NO	T	2A	ST	PS	T			Exist LD SN: 10589-7715
	Start Time:											2B						New LD SN:
	End Time:			74%	0	67	.16					2C						Pump Mfr.: RED JACKET
												2D						
3	SUN	96	10K	ST	0	68	.16	NO	NO	NO	T	3A	ST	PS	T			Exist LD SN: 10589-7775
	Start Time:											3B						New LD SN:
	End Time:			75%	0	68	.16					3C						Pump Mfr.: WAYNE
												3D						
4												4A						Exist LD SN:
	Start Time:											4B						New LD SN:
	End Time:											4C						Pump Mfr.:
												4D						

JOE L. IRICK #40-12/91
CA# 1463-3/94

TANKNOLOGY Regional Office: 992 Unit Number 4

NOTE: Original VacuTect Data recordings are reviewed by Tanknolgy's Audit Control Department and maintained on file.

TANKNOLOGY CORPORATION INTERNATIONAL
4960-F Allison Parkway • Vacaville, CA 95688
(707) 446-2494 • (800) 826-5837 • FAX (707) 446-2495

FORM 1A

TANKNOLOGY CORPORATION INTERNATIONAL

5225 Hollister, Houston, Texas 77040-6294 Phone: (713) 690-TANK Fax: (713) 690-2255

Certificate of Tightness

Service Order # 31938, Test date 7/29/91

Underground storage tank system(s) tested and found tight for:

[3] Tank(s) & Piping, Quan. [ ] Tank(s) Only, Quan. [ ] Piping only. Quan.

Tank Owner/Address CHEVRON USA, INC., 2410 CAMINO RAMON, SAN RAMON, CA 94583

Test Site Address CHEVRON #98616, I5 & GRAPEVINE, LEBEC, CA 93243

Tank sizes & products tested

TANK #1 12K RUN, TANK #2 5K REG, TANK #3 10K SUN

Piping Tested LINES: 1A, 2A, 3A

TCI# 40-12/91

CA# 1463- 3/94-

Certification # & Expiration Date

Unit Mgr. Signature

Valid only with Corporate Seal

U. S. Patent • 4462249, Canadian Patent • 1185693, European Patent Appl. • 169283
TANKNOLOGY & VacuTect are trademarks of TANKNOLOGY CORPORATION INTERNATIONAL

Note: See VacuTect Test Report for tank identification and site location drawing.

Form-Cert.3/89

TANKNOLOGY

VacuTect ™ TANK TESTING REPORT

S.O.# 31938

Customer Chevron — Site # 98616 — Date 7-29-91

Invoice Name/Address Chevron P.O. Box 5004 San Ramone, CA. 94583 — Phone 415-842-9624

Site Name/Address Chevron I5 & Grapevine Lebec, CA. — Att'n: Marge Farrar

TANKS												LINES				Leak Det		COMMENTS Note alterations or repairs.
See Diag for Tank #	Tank Product	Tank Dia.	Tank Gallons	Tank Mat'l ■ ST / FRP / Lined	Dipped Water Level ■ START / END	Dipped Product Level ■ START / END	Probe Water Level ■ START / END	Water ingress Detected ■ Yes/No	Bubble ingress Detected ■ Yes/No	Ullage Air Ingress Detected ■ Yes/No	Tight (T) or Fail (F)	Line#	Line Mat'l ■ ST / FRP	Deliv Syst. ■ PS / SS	Tight (T) or Fail (F)	Exist LD Pass (P) Fail (F) or NONE	NEW PreTested LD ■ SOLD Yes/No	TANKS and LINES Tested to CFR-40 Parts 280-281 and NFPA 329 Spec's. Other:
1	Unl	96	12K	ST	0	65	.16	no	no	no	T	1A	ST	PS	T	n/a	no	Exist LD SN: 40481-0564
				72%	0	65	.16					1B						New LD SN: —
												1C						Pump Mfr.: Wayne
												1D						
2	Reg.	96"	5K	ST	0	67	.16	no	no	no	T	2A	ST	PS	T	n/a	no	Exist LD SN: 10559-7715
				74%	0	67	.16					2B						New LD SN: —
												2C						Pump Mfr.: Red Jacket
												2D						
3	Unl	96"	10K	ST	0	68	.16	no	no	no	T	3A	ST	PS	T	n/a	no	Exist LD SN: 10559-7775
				75%	0	68	.16					3B						New LD SN: —
												3C						Pump Mfr.: Wayne
												3D						
4												4A						Exist LD SN:
												4B						New LD SN:
												4C						Pump Mfr.:
												4D						

TANKNOLOGY Regional Office: 992 Unit Number 4

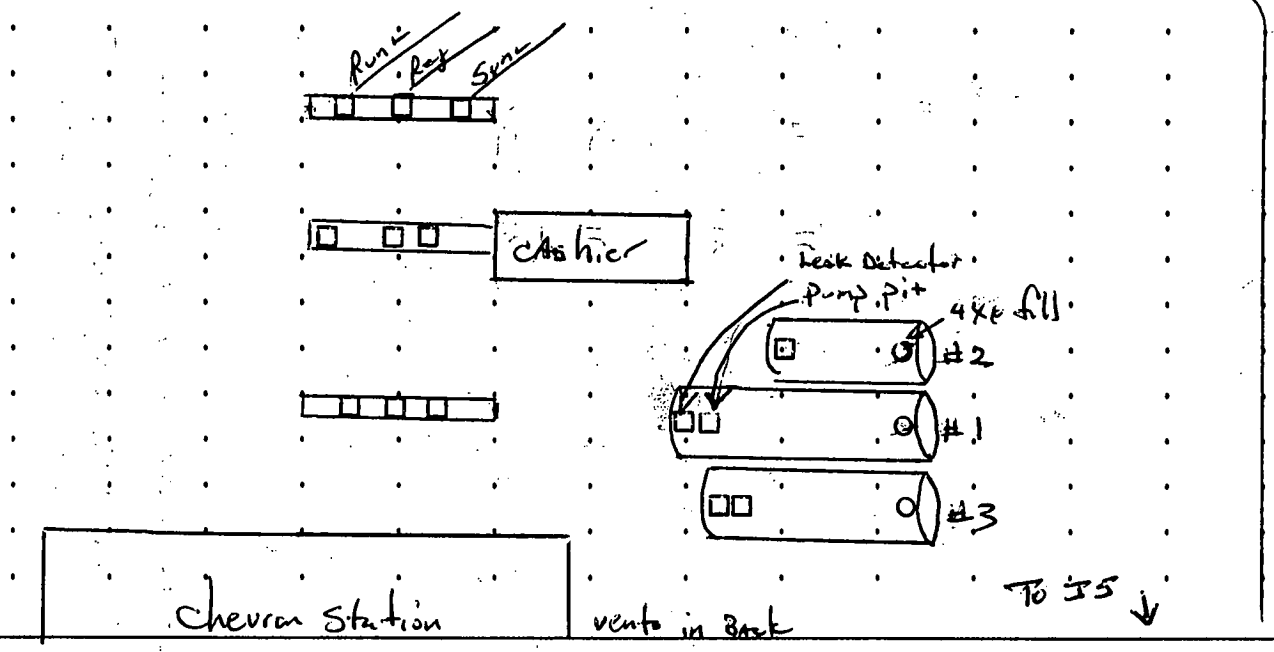
NOTE: Original VacuTect Data recordings are reviewed by Tanknolgy's Audit Control Department and maintained on file.

Tanknology Corporation International
5225 Hollister St, Houston, TX 77040
(800) 888-8563 ● FAX (713) 690-2255

SO# 31938 Cust. Chevron Site# 986116

MONITOR WELLS	None											
Number	1	2	3	4	5	6	7	8	9	10	11	12
Depth												
Water												
Prod.Detected												
NOT Det.												

Location Diagram



Parts and Labor used _____

General Comments _____

When local regulations require immediate reporting of a system leak-Complete the following:

Reported to: _____

Name Date Time

Phone Number CUSTOMER or Regulatory Agency File Number

Joe L. Frick
Print: Certified Testers Name

040
Vacutect™ Certification Number

Joe L. Frick
Certified Testers Signature

7-30-91
Date Testing Completed

Form-Tanks/Lines1/91

TANKNOLOGY™
TECHNOLOGY FOR TANKS AND THEIR ENVIRONMENT

LINE TEST LOG

S.O.# 31938

Customer Chevron **Date** 7-29-91

Site: Chevron I5 + Grapevine Ca. **Facility #:** 98616

Tank No. 1 **Line No.** 1g **Product** Regular

Piping Material ST **Test Pressure** 50 psi **Calib.Multiplier** .00549

COMPRESSION TEST | **Zero Pres.Level** 23.0 **Test Pres.Level** 20.5 | **LEVELΔ** -2.5 **Volume Δ** -.013725

LINE TEST

Mil.Time	Reading #	Level	LevelΔ	VolumeΔ	Projected G.P.H. Δ
2120	Start	20.5			
2130	1	20.3	.2	.001098	.006588
2140	2	20.2	.1	.000549	.003294
2150	3	20.2	0	0	0
	4				
	5				
	6				

FINAL LINE TIGHTNESS RATE: _____ , **FAIL [ ] or PASS [✓]**

Comments:

Tank No. 2 **Line No.** 2g **Product** Regular

Piping Material ST **Test Pressure** 50 psi **Calib.Multiplier** .00549

COMPRESSION TEST | **Zero Pres.Level** 23.0 **Test Pres.Level** 21.2 | **LEVELΔ** -1.8 **Volume Δ** -.009882

LINE TEST

Mil.Time	Reading #	Level	LevelΔ	VolumeΔ	Projected G.P.H. Δ
2210	Start	21.2			
2220	1	20.9	-.3	-.001647	-.009882
2230	2	20.8	-.1	-.000549	-.003294
2240	3	20.8	0	0	0
	4				
	5				
	6				

FINAL LINE TIGHTNESS RATE: _____ , **FAIL [ ] or PASS [✓]**

Comments:

FORM No.: LineTestLog-6/90

TANKNOLOGY Service Order # 31938

Site: Chevron Lebec, CA Facility #: 98616

Tank No. 3 Line No. 3a Product Sun

Piping Material ST Test Pressure 50 psi Calib.Multiplier .00549

COMPRESSION TEST	Zero Pres.Level 23.0	Test Pres.Level 19.4
	LEVELΔ -3.6	Volume Δ -.019764

LINE TEST

Mil.Time	Reading #	Level	LevelΔ	VolumeΔ	Projected G.P.H. Δ
24:35	Start	19.4			
24:45	1	19.0	.4	-.002196	-.013176
24:55	2	18.9	.1	.000549	.003294
01 05	3	18.9	0	0	0
	4				
	5				
	6				

FINAL LINE TIGHTNESS RATE: _____, FAIL [ ] or PASS [✓]

Comments:

Tank No. _____ Line No. _____ Product _____

Piping Material _____ Test Pressure _____ psi Calib.Multiplier _____

COMPRESSION TEST	Zero Pres.Level _____	Test Pres.Level _____
	LEVELΔ _____	Volume Δ _____

LINE TEST

Mil.Time	Reading #	Level	LevelΔ	VolumeΔ	Projected G.P.H. Δ
	Start				
	1				
	2				
	3				
	4				
	5				
	6				

FINAL LINE TIGHTNESS RATE: _____, FAIL [ ] or PASS [ ]

Comments:

Technician 040, Joe L. Erick, _____

VacuTect Certif # PRINT NAME SIGNATURE

FORM No.: LineTestLog-6/90

Chevron U.S.A. Inc.
2410 Camino Ramon, San Ramon, California • Phone (415) 842-9500
Mail Address: P.O. Box 5004, San Ramon, CA 94583-0804

SEP 13 1989
RECEIVED

September 8, 1989

Marketing Operations

D. Moller
Manager, Operations
S. L. Patterson
Area Manager, Operations
C. G. Trimbach
Manager, Engineering

to AMY Green

Mr. Forrest Harrison
Kern County
Dept. of Public Health
1415 Truxton
Bakersfield, CA 93301

Re: Installation of Annular Space Monitors
Chevron Stations:
#98109 - 1131 Oak Street, Bakersfield 180001C
#99615 - 3624 California St., Bakersfield 180013C
#98616 - Hwy. I-5 and Grapevine turn off, Lebec 600015C

Dear Mr. Harrison:

Chevron U.S.A. Inc. is retrofitting all sites with previously installed double wall tanks and secondarily contained piping trenches (where installed) with continuous interstitial monitors to replace monthly visual monitoring. Chevron proposes to use API/Ronan monitors. The control panel will be mounted in the station building and is equipped with an audible and visual alarm. Enclosed is a brochure for your reference. If you would like to discuss the system in more detail, please contact the API/Ronan Representative, Bill Bunch at (408) 244-6739.

In the event of an alarm, our dealer will notify Chevron Central Maintenance Dispatch in San Ramon, California, for immediate investigation and corrective action.

If this proposal does not meet you requirements, please contact us promptly. Otherwise, we will proceed with installation.

If you have any questions or comments, please contact Cynthia Lambing-Ortega (415) 842-8667 or John Randall at (415) 842-9625.

Very truly yours,

C. G. Trimbach

By Cynthia Lambing-Ortega for J. R.
John Randall, Engineer

CLO/jt:Z1-216
Enclosures

PERMIT # 600015 FACILITY NAME 9-8616-Compu-Plan

NUMBER OF TANKS AT THE SITE: 4 ENV. SENSITIVITY.....

EMERGENCY CONTACT PERSON(PRIMARY): 3 Tanks in Computa
NAME: Tom Watkins

PHONE NUMBER:

EMERGENCY CONTACT PERSON(SECONDARY):
NAME:

PHONE NUMBER:

TANK OWNER INFORMATION:
NAME:

ADDRESS:

PHONE NO.:

TANK CONTENTS:

TANK #	MANUFACTURER	YEAR INSTALLED	CAPACITY	CONTENTS
1		1968		Prem. Unleaded
2		1968		Reg. Leaded
3		1968		Reg. Unleaded
4		1987		Used Oil

TANK CONSTRUCTION:

TANK #	TYPE(dw, sw, sec.cont.)	MATERIAL	INT. LINING	CORROSION PROT.
1		Steel		
2		Steel		
3		Steel		
4	dw			

LEAK DETECTION: TANKS: ____ VISUAL ____ GROUNDWATER MONITORING WELLS
____ VADOSE ZONE MONITORING WELLS ____ U-TUBES WITH LINERS
____ U-TUBES WITHOUT LINERS ____ VAPOR DETECTOR ____ LIQUID SENSORS
____ CONDUCTIVITY SENSORS ____ PRESSURE SENSORS IN ANNULAR SPACE
____ LIQUID RETRIEVAL SYSTEMS IN U-TUBES, MONITORING WELLS, OR ANNULAR
____ NONE ____ UNKNOWN ____ OTHER ____

PIPING INFORMATION:

TANK #	SYSTEM TYPE (SUC.,PRES.,GRAV.)	CONSTRUCTION (SW,DW,LINED TR)	MATERIAL

LEAK DETECTION: PIPING: X FLOW RESTRICTING LEAK DETECTORS FOR PRESSURIZED PIPING Red Jacket
____ MONITORING SUMP WITH RACEWAY
____ SEALED CONCRETE RACEWAY ____ HALFCUT COMPATIBLE PIPE RACEWAY
____ SYNTHETIC LINER RACEWAY ____ NONE ____ UNKNOWN

600015C

PERMIT NUMBER 600015C

TYPE OF INSTALLATION

( ) 1. In-Tank Level Sensor (X) 2. Leak Detector ( ) 3. Fill Box

FACILITY NAME 9-8616 - COMPU-PLAN

FACILITY ADDRESS Hwy I-5 & GRAPEVINE - LEBEC

CONTACT PERSON TOM WATKINS

1. IN TANK LEVEL SENSORS

Number of Tanks _____ List By Tank ID _____ _____ _____
_____ _____ _____
_____ _____ _____

Name of System _____
Manufacturer & Model Number _____
Contractor/Installer _____

2. LEAK DETECTORS

Number of Tanks 4 List By Tank ID Prem. Unleaded, Reg-Leaded, Reg-Unleaded } STEEL 1968
USED OIL - DOUBLEWALL - 1987

Name of System DIAPH. TESTED 7-23-90 - O.K.
Manufacturer & Model Number RED JACKET
Contractor/Installer CHEVRON

3. FILL BOXES

Number of Tanks _____ List By Tank ID _____ _____ _____
_____ _____ _____
_____ _____ _____

Name of System _____
Manufacturer & Model Number _____
Contractor/Installer _____

CHEVRON USA, INC MAINT. SUPV. 1-15-91
OWNER/OPERATOR DATE

600015

Chevron U.S.A. Inc.
2410 Camino Ramon, San Ramon, California • Phone (415) 842-9500
Mail Address: P.O. Box 5004, San Ramon, CA 94583-0804

Marketing Operations

D. Moller
Manager, Operations
S. L. Patterson
Area Manager, Operations
C. G. Trimbach
Manager, Engineering

Date SEP 12 '90 M.L.F.

Kern County Dept of Public Health
1415 Truxton
Bakersfield Ca

Re: Annual Precision Tank and Lines Test Result
Dan Boyce :

Enclosed are the required annual precision tank and line test results for the following Chevron owned service stations within your County of Kern

SS#
9-8616 - I-5 & Grapevine - LeBec

The above list may not be a complete list of Chevron owned sites within your city/county. Results for those not listed will be forthcoming.

If you have any questions, please call Marge Farrar, at (415) 842-9624.

Very truly yours,

D. MOLLER

By M L Farrar
M.L. Farrar

MLF:lms/X809
Enclosure

Kern

TANKNOLOGY™
TECHNOLOGY FOR TANKS AND THEIR ENVIRONMENT

VACUTECT™ TANK TESTING REPORT S.O.# 7888

Customer: CHEVRON USA #98616 Cust. Ref. #M16CWC-0024-0 Date: 8-30-90

Billing Address: P.O. BOX 5004, SAN RAMON, CA 94583 Phone: 415-842-9624

Service Address: I-5 & GRAPEVINE TURN OFF, LE BEC, CA 93243 Attention: MARGE FARRAR

TANK TEST											LINE		COMMENTS: Note alterations or repairs!
Tank # and Date Tested. See Diagram For Location. DATE/TANK #	TYPE PROD.	TANK DIA.	TANK GAL.	Dipped Water Level START	Dipped Prod. Level START	Rec. Water Level START	Water Ingress Detected At Computer Time HR/MIN	Bubble Ingress Detected At Computer Time HR/MIN	Ullage Air Ingress Detected At Computer Time HR/MIN	TIGHT (T) or FAIL (F)	TANK # LINE A,B,C.	TIGHT (T) or FAIL (F)	TANKS and LINES TESTED TO CFR# 40, Parts 280-281 & NFPA329 Specifications. Others: SUCTION (SS) or PRES. SYSTEM (PS) FIBERGLASS (FG) STEEL (ST) LEAK DETECTORS Installed ? (LDI)
1 8-29-90	UNL	95	12K	0	70.5	0	NO	NO	NO	T	1A	T	PS, ST, LDI
2 8-29-90	REG	95	5K	0	75	0	NO	NO	NO	T	2A	T	PS, ST, LDI
3 8-29-90	SUN	95	10K	0	85	0	NO	NO	NO	T	3A	T	PS, ST, LDI
JEROME #1407	BELL 5-1-92	OLI	#63										

TANKNOLOGY SERVICE DIVISION: WESTERN 992 UNIT # 24

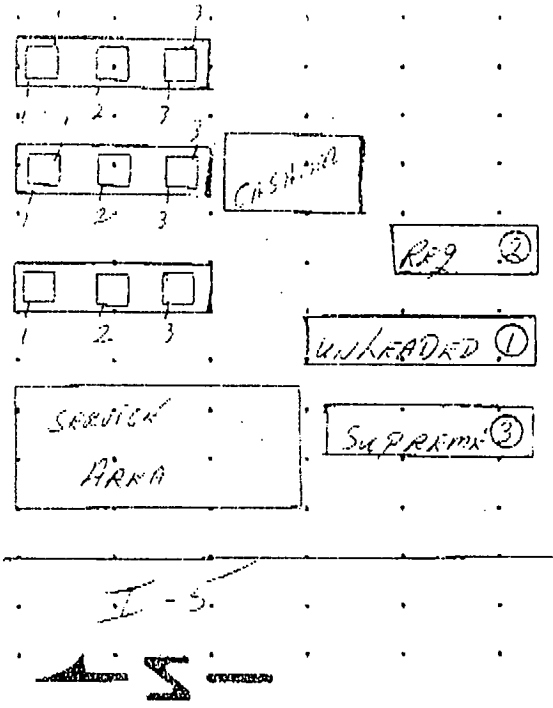
TANKNOLOGY CORPORATION INTERNATIONAL
P.O. Box 5997 • Vacaville, CA 95696-5997
(707) 446-2494 • FAX: (707) 446-2495

Original VacuTect data recordings are reviewed by Tanknology's Audit Control Department and maintained on file.

S.O.# 07990

MONITOR WELLS												
Number	1	2	3	4	5	6	7	8	9	10	11	12
Depth												
Water												
Prod. Detected												
NOT Det.												

Location Diagram



Parts and Labor used _____

General Comments _____

When local regulations require immediate reporting of a system leak-Complete the following:

Reported to: _____
Name Date Time

Phone Number Regulatory Agency File Number

Jerome Bellot — 063

Print: Certified Testers Name — Vacutect(tm) Certification Number

Jerome Bellot — 9/29/90

TANKNOLOGY

TECHNOLOGY FOR TANKS AND THEIR ENVIRONMENT

LINE TEST LOG

S.O.# 07888

Customer CHEVRON USA ST# 98616 Date 8/29/90

I5 + Grapevine Turnoff Lebec CA

Tank No. 1 Line No. 1A Product UNLEADED

Piping Material ST Test Pressure 50 psi Calib.Multiplier .00549

COMPRESSION TEST Zero Pres.Level 22 Test Pres.Level 78

LEVELΔ 4 Volume Δ .0219

LINE TEST

Mil.Time	Reading #	Level	LevelΔ	VolumeΔ	Projected G.P.H. Δ
2012	Start	18.0			
2022	1	16.9	1.9	.01043	.0625
2032	2	15.7	.4	.00219	.0131
2042	3	15.3	.4	.00219	.0131
2052	4	15.3	.0	0	0
2012	5	15.3	.0	0	0
	6				

FINAL LINE TIGHTNESS RATE: 0 , FAIL [ ] or PASS [✓]

Comments:

Tank No. 2 Line No. 2A Product REGULAR

Piping Material ST Test Pressure 50 psi Calib.Multiplier .00549

COMPRESSION TEST Zero Pres.Level 21 Test Pres.Level 16.5

LEVELΔ 4.5 Volume Δ .0297

LINE TEST

Mil.Time	Reading #	Level	LevelΔ	VolumeΔ	Projected G.P.H. Δ
2119	Start	16.0			
2129	1	15.9	.1	.000549	.00329
2139	2	15.9	.0	0	0
	3				
	4				
	5				
	6				

FINAL LINE TIGHTNESS RATE: 0 , FAIL [ ] or PASS [✓]

Comments:

FORM No.: LineTestLog-1/89

Tank No. 3 Line No. 2A Product Supreme

Piping Material ST Test Pressure 50 psi Calib.Multiplier .00542

COMPRESSION TEST	Zero Pres.Level 17.4	Test Pres.Level 14.3
	LEVELΔ 3.1	Volume Δ .0120

LINE TEST

Mil.Time	Reading #	Level	LevelΔ	VolumeΔ	Projected G.P.H. Δ
2212	Start	14.3			
2222	1	13.4	.9	.00994	.0796
2232	2	13.2	.2	.00109	.00658
2242	3	13.2	.0	0	0
	4				
	5				
	6				

FINAL LINE TIGHTNESS RATE: 0 , FAIL [ ] or PASS [X]

Comments:

Tank No. _____ Line No. _____ Product _____

Piping Material _____ Test Pressure _____ psi Calib.Multiplier _____

COMPRESSION TEST	Zero Pres.Level _____	Test Pres.Level _____
	LEVELΔ _____	Volume Δ _____

LINE TEST

Mil.Time	Reading #	Level	LevelΔ	VolumeΔ	Projected G.P.H. Δ
	Start				
	1				
	2				
	3				
	4				
	5				
	6				

FINAL LINE TIGHTNESS RATE: _____ , FAIL [ ] or PASS [ ]

Comments:

Technician 063 , Jeremy Bittel , [signature]

VacuTect Certif # PRINT NAME SIGNATURE

FORM No.: LineTestLog-1/89

TANKNOLOGY CORPORATION INTERNATIONAL

5225 Hollister, Houston, Texas 77040-6294 Phone: (713) 690-TANK Fax: (713) 690-2255

Certificate of Tightness

Service Order # 7888, Test date 8-29-90

Underground storage tank system(s) tested and found tight for:

[ ] Tank(s) & Piping, Quan.

[3] Tank(s) Only, Quan.

[3] Piping only. Quan.

Tank Owner/Address CHEVRON USA #98616 P.O. BOX 5004
SAN RAMON, CA 94583

Test Site Address I-5 & GRAPEVINE TURN OFF, LE BEC, CA 93243

Tank sizes & products tested

TANK #1 UNL 12K TANK #2 REG 5K

TANK #3 SUN 10K

Piping Tested LINES: 1A, 2A, 3A

JEROME BELLOLI #63
#1407 5-1-92
Certification # & Expiration Date

Jerome Belloli
Unit Mgr. Signature

Valid only with Corporate Seal

U. S. Patent • 4462249, Canadian Patent • 1185693, European Patent Appl. • 169283
TANKNOLOGY & VacuTect are trademarks of TANKNOLOGY CORPORATION INTERNATIONAL

Note: See VacuTect Test Report for tank identification and site location drawing.

Form-Cert.3/89

Standard Compliance Check

Facility: CHEVRON CT 60

Equipment to be installed:
1 Tank(s), _____ ft. of ☐suction ☐pressurized piping

Req'd	Approved	
✓	TAM	Primary Containment ☑Fiberglass (FRP) Make & Model _____ ☐Fiberglass-clad steel Make & Model _____ ☐Uncoated steel Make & Model _____ ☐Other: _____ Make & Model _____ Comment: _____
____	____	Additional: _____
____	____	Inspection: _____
✓	TAM	Secondary Containment of Tank(s) ☑Double-walled tank(s) Make & Model _____ ☐Synthetic liner Make & Model _____ ☐Lined concrete vault(s) Sealer used _____ ☐Other Type _____ Make & Model _____ Comment: _____
____	____	Additional: _____
____	____	Inspection: _____
✓	TAM	Secondary containment volume at least 100% of primary tank volume(s) Comment: DOUBLE WALL
____	____	Additional: _____
____	____	Inspection: _____
____	____	Secondary containment volume for more than one tank contains 150% of volume of largest primary containemnt or 10% of aggregate primary volume, whichever is greater Comment: _____
____	____	Additional: _____
____	____	Inspection: _____
____	____	Secondary containment open to rainfall must accomodate 24 hour rainfall Total Volume _____ Comment: _____

Req'd	Approved	
		Additional: _____
		Inspection: _____
✓	TAM	Secondary containment is product-compatible Product _____ Documentation _____ Comment: _____ Additional: _____ Inspection: _____
		Annular space liquid is compatible with product Product _____ Annular liquid _____ Comment: _____ Additional: _____ Inspection: _____
		Primary Containment of Piping ☐Fiberglass piping Size & Make _____ ☐Coated steel piping Size & Make _____ ☐Uncoated steel piping Size _____ ☐Other _____ Comment: _____ Additional: _____ Inspection: _____
		Secondary Containment of Piping ☐Double-walled pipe Size & Make _____ ☐Synthetic liner in trench Size & Make _____ ☐Other _____ Comment: USING EXISTING PIPING Additional: _____ Inspection: _____
✓	TAM	Corrosion Protection ☑Tank(s) FRP ☐Piping & fittings ☐Electrical isolation Comment: _____ Additional: _____ Inspection: _____
✓	TAM	Manufacturer-Approved Backfill for Tanks & Piping Type GRAVEL Comment: _____

Req'd	Approved	
		Additional: _____
		Inspection: _____
		Tank(s) Located No Closer Than 10 Feet to Building(s)
		Comments: _____
		Additional: _____
		Inspection: _____
✓	TM	Complete Monitoring System

Monitoring device within secondary containment:

- ☐ Liquid level indicator(s) _____
- ☐ Liquid used _____
- ☐ Thermal conductivity sensor(s) _____
- ☒ Pressure sensor(s) OWENS-CORNING
- ☐ Vacuum gauge _____
- ☐ Sump(s) _____
- ☐ Gas or vapor detector(s) _____
- ☐ Manual inspection & sampling _____
- ☐ Visual inspection _____
- ☐ Other _____

Comments: _____

		Additional: _____
		Inspection: _____
		Other Monitoring

- ☐ Periodic tightness testing Method _____
- ☐ Pressure-reducing line leak detector(s) _____
- ☐ Other _____

Comment: _____

		Additional: _____
		Inspection: _____
✓	TM	Overfill Protection

- ☐ Tape float gauge(s) _____
- ☐ Float vent valve(s) _____
- ☐ Capacitance sensor(s) _____
- ☐ High level alarm(s) _____
- ☐ Automatic shut-off control(s) _____
- ☐ Fill box(es) with 1 ft.^{3} volume Pomeco III
- ☐ Operator controls with visual level monitoring

Other _____

Comment: _____

Extra Inspections/Reinspections/Consultations

Date:

Purpose:

Comment:

Time Utilized _____

Date:

Purpose:

Comment:

Time Utilized _____

Date:

Purpose:

Comment:

Time Utilized _____

Date:

Purpose:

Comment:

Time Utilized _____

Invoice Date: _____ Total Time: _____

Inspector _____ Date: _____

Req'd	Approved
_____	_____
_____	_____
_____	_____
_____	_____

Additional: _____

Inspection: _____

Monitoring Requirements _____

Additional Comments _____

Inspection: _____

Inspector _____ Date _____

KERN COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
HAZARDOUS SUBSTANCES SECTION

1700 FLOWER STREET
BAKERSFIELD, CA 93305
PHONE (805) 861-3636

INSPECTION RECORD

POST CARD AT JOBSITE

FACILITY CHEVRON PERMIT #600015 B	OWNER CHEVRON USA
ADDRESS 2337 COUNTY RD E I5	ADDRESS 2 ANABELLE LN
CITY LEBEC	CITY SAN RAMON
PHONE NO. 209 449-0404	PHONE NO. 415 838-5229

INSTRUCTIONS: Please call for an inspector only when each group of inspections with the same number are ready. They will run in consecutive order beginning with number 1. DO NOT cover work for any numbered group until all items in that group are signed off by the Permitting Authority. Following these instructions will reduce the number of required inspection visits and therefore prevent assessment of additional fees.

- TANKS & BACKFILL -

	INSPECTION	DATE	INSPECTOR
1	Backfill of Tank(s) (VERBAL)		OK—
	Spark Test Certification		
	Cathodic Protection of Tank(s)		

- PIPING SYSTEM -

	Piping & Raceway w/Collection Sump		
	Corrosion Protection of Piping, Joints, Fill Pipe		
	Electrical Isolation of Piping From Tank(s)		
	Cathodic Protection System-Piping		

- SECONDARY CONTAINMENT, OVERFILL PROTECTION, LEAK DETECTION -

	Liner Installation - Tank(s)		
	Liner Installation - Piping		
	Vault With Product Compatible Sealer		
	Level Gauges or Sensors, Float Vent Valves		
2	Product Compatible Fill Box(es)	6-10-87	T. Mele
	Product Line Leak Detector(s)		
	Leak Detector(s) for Annular Space-D.W. Tank(s)		
	Monitoring Well(s)/Sump(s)		
	Leak Detection Device(s) For Vadose/Groundwater		
	PVC Sleeve Piping		
	Leak Detector(s)		

- FINAL -

	Monitoring Wells, Caps & Locks		
	Fill Box Lock		
2	Monitoring Requirements - MAKE ANNULAR SPACE ACCESSABLE	6-10-87	T. Mele

CONTRACTOR CALIFORNIA PETROLEUM EQUIPT. LICENSE # 432613
CONTACT _____ PH # 209 449-0404

1700 Flower Street
Bakersfield, California 93305
Telephone (805) 861-3636

KERN COUNTY HEALTH DEPARTMENT

ENVIRONMENTAL HEALTH DIVISION

HEALTH OFFICER
Leon M Hebertson, M.D.

DIRECTOR OF ENVIRONMENTAL HEALTH
Vernon S. Reichard

PERMIT TO CONSTRUCT UNDERGROUND STORAGE FACILITY

PERMIT NUMBER #600015B

FACILITY NAME/ADDRESS:	OWNER(S) NAME/ADDRESS:	CONTRACTOR:
Chevron 2337 County Road & Grapevine Lebec, CA	Chevron U.S.A. 2 Anabelle Lane San Ramon, CA	California Petroleum Equip. P. O. Box 9364 Fresno, CA 93792 License # 432613

[ ] NEW BUSINESS	
[ ] CHANGE OWNERSHIP	
[ ] RENEWAL	
[ ] MODIFICATION	
[XX] TANK REPLACEMENT	

PERMIT EXPIRES May 15, 1988

APPROVAL DATE May 15, 1987

APPROVED BY Thomas A. Mele
Thomas A. Mele

POST ON PREMISES

CONDITIONS AS FOLLOWS:

1. All construction to be as per facility plans approved by this department and verified by inspection by Permitting Authority.
2. All equipment and materials in this construction must be installed in accordance with all manufacturers' specifications.
3. Permittee must contact Permitting Authority for on-site inspection(s) with 48 hour advance notice.
4. Backfill material for piping and tanks to be as per manufacturers' specifications.
5. Construction inspection record card is included with permit given to Permittee. This card must be posted at jobsite prior to initial inspection. Permittee must contact Permitting Authority and arrange for each group of required inspections numbered as per instructions on card. Generally, inspections will be made of:
   a. Tanks and backfill
6. All underground metal connections (e.g. piping, fittings, fill pipes) to tank(s) must be electrically isolated, and wrapped to a minimum 20 mil thickness with corrosion-preventive, gasoline-resistant tape or otherwise protected from corrosion.

ACCEPTED BY Mailed DATE 5-13-87

Permit # 600015

TANK INFORMATION FORM

(FILL OUT SEPARATE FORM FOR EACH TANK)

FOR EACH SECTION, CHECK ALL APPROPRIATE BOXES

Contents _____ Tank # _____

H. 1. Tank is: ( ) Vaulted ( ) Jacketed (X) Double-Wall ( ) Single-Wall

2. Tank Material
( ) Carbon Steel ( ) Stainless Steel (X) Fiberglass-Reinforced Plastic ( ) Fiberglass-Clad Steel
( ) Concrete ( ) Unknown ( ) Other (Describe) _____

3. Primary Containment
Date Installed: 1987 Thickness (Inches): _____ Capacity (Gallons): 4,000 Manufacturer: Owens-Corning

4. Tank Secondary Containment
(X) Double-Wall ( ) Synthetic Liner ( ) Lined Vault ( ) None ( ) Unknown
( ) Other (describe): _____ Manufacturer: Owens-Corning
( ) Material FRP Thickness (Inches) _____ Capacity (Gallons) 1000

5. Tank Interior Lining
( ) Unlined ( ) Unknown ( ) Lined (describe) _____

6. Tank Corrosion Protection
( ) Galvanized ( ) Fiberglass-Clad ( ) Polyethylene/Vinyl (Wrapped or Jacketed)
( ) Tar or Asphalt ( ) Unknown ( ) None (X) Other (describe): FRP
Cathodic Protection: (X) None NA ( ) Impressed Current System ( ) Sacrificial Anode System
Describe System and Equipment: _____

7. Leak Detection, Monitoring, and Interception * (Must be described below)
a. Tank: ( ) Vapor Detector * ( ) Liquid Level Sensor * ( ) Conductivity Sensor *
( ) Vadose Zone Monitoring Well(s)
( ) U-Tube with Liner ( ) U-Tube without Liner
( ) Visual Inspection (Vaulted tanks only) ( ) Groundwater Monitoring
( ) Sensor in Annular Space ( ) Vapor ( ) Liquid ( ) Pressure ( ) Other *
( ) Regular Monitoring of U-Tube, Monitoring Well or Annular Space
( ) Daily Gauging & Inventory Reconciliation ( ) Periodic Tightness Testing
( ) None ( ) Unknown ( ) Other _____
*Describe Make & Model: _____

b. Piping: ( ) Flow-Restricting Leak Detector(s) for Pressurized Piping* ( ) Sealed Concrete Raceway
( ) Monitoring Sump with Raceway ( ) Complete Containment Liner with Sumps
( ) Half-Cut Compatible Pipe Raceway ( ) Synthetic Liner Raceway (X) None NA
( ) Unknown ( ) Other _____
*Describe Make & Model: _____

8. Tank Tightness
Has This Tank Been Tightness Tested? ( ) Yes ( ) No (X) Unknown
Date of Last Tightness Test _____ Results of Test _____
Test Name _____ Testing Company _____

9. Tank Repair ( ) Yes ( ) No (X) Unknown
Date(s) of Repair(s) _____
Describe Repairs _____

10. Overfill Protection (Must describe below)
( ) Operator Fills, Controls, & Visually Monitors Level
( ) Tape Float Gauge ( ) Float Vent Valves ( ) Auto Shut-Off Controls
( ) Capacitance Sensor (X) Sealed Fill Box ( ) None ( ) Unknown ( ) Other *
( ) List Make & Model for all Devices Pomeco III
*Describe other Protection System _____

11. Piping
a. Underground Piping: ( ) Yes ( ) No ( ) Unknown Material _____
Thickness (inches) _____ Diameter _____ Manufacturer _____
b. Type of piping System
( ) Pressure ( ) Suction (X) Gravity Approximate Length of this Pipe Run Unk
c. Underground Piping Corrosion Protection:
( ) Galvanized ( ) Fiberglass-Clad ( ) Impressed Current ( ) Sacrificial Anode
( ) Polyethylene Wrap ( ) Electrical Isolation ( ) Vinyl Wrap ( ) Tar or Asphalt
(X) Unknown ( ) None ( ) Other (describe): _____
d. Underground Piping, Secondary Containment:
( ) Double-Wall ( ) Synthetic Liner System ( ) None (X) Unknown
( ) Make & Model (describe): _____

Chevron Station # 98616
Hwy 5 & 99
Lebec, CA

RECEIVED
AUG 2 8 1989
ENVIRONMENTAL HEALTH

ANNUAL LEAK DETECTION SYSTEM REPORT

THIS FORM MUST BE AVAILABLE TO REGULATORY INSPECTORS AT ALL TIMES, KEEP IT WITH AIR QUALITY PERMIT

98616
STATION #

1. MECHANICAL LEAK DETECTORS

Make Red Jacket Type Diaphragm
(Piston or Diaphragm)

Date Tested 7-14-89

LEAK DETECTOR REPLACEMENTS REQUIRED

Regular X Unleaded X Premium _____ Other N/A
(Note Product)

ALL LEAK DETECTORS SEALED IN PLACE Yes 1 No 2 Supreme & Unlead
(Note Product(s)

2. ELECTRONIC MONITORING SYSTEMS

Waste Oil Location of Panel _____
(Lube Bay-Pay Booth-Sales Area)

Make N/A Model _____

Type _____ Date Tested _____
(TLM-Annular Space)

Tested OK Yes ____ No ____ Repairs Needed _____
(Description)

_____

_____

Product Location of Panel _____
(Lube Bay-Pay Booth-Sales Area)

Make N/A Model _____

Type _____
(TLM - Annular Space - Liquid or Vapor - Line Monitor)

Date Tested _____ Tested OK Yes ____ No ____

Repairs Needed
(Description) _____

_____

_____

JSM/jas:VK1-126

Chevron U.S.A. Inc.
2 Annabel Lane, Suite 200, San Ramon, CA 94583 • Phone (415) 838-5000

Marketing Operations
D. Moller
Division Manager, Operations
S. L. Patterson
Area Manager, Operations
C. G. Trimbach
Manager, Engineering

Date OCT 28 '87 M.L.F.

Kern County - Dept of Public Health
1700 Flower Street
Bakersfield, Ca 93305

Re: Annual Precision Tank and Lines Test Result

Ann Boyce :

Enclosed are the required annual precision tank and line test results for the following Chevron owned service stations within your _____

County of Kern :

SS#
9-2718 - 5101 Stockdale - Bakersfield - Product tanks - 280025C
9-3249 - I-5 & Hwy 58 - Buttonwillow - Product tanks - 370013C
9-8616 - Hwy I-5 & Grapevine - LEBEC - Product tanks - 600015C

The above list may not be a complete list of Chevron owned sites within your city/county. Results for those not listed will be forthcoming.

If you have any questions, please call Tim Kerr at (415) 838-5281.

RECEIVED NOV 04 1987 KERN COUNTY HEALTH DEPT.

Very truly yours,

CHEVRON U.S.A. INC.

By T. J. Kerr/mlf
T. J. Kerr

TJK:cjw/XK5-129
Enclosure

Cooley

PLEASE PRINT

Data Chart for Tank System Tightness Test

petro Tite
TANK TESTER

600015C
Kern

1. OWNER Property ☐ Tank(s) ☐

Chevron USA - 2 Annabel Lane---San Ramon-Ca — Bob Stolz (415) 838-5302
Name — Address — Representative — Telephone

Chevron USA — Bob Stolz (415) 838-5302
Name — Address — Representative — Telephone

2. OPERATOR

Same Station # 8616 - LEBEC, CA
Name — Address — Telephone

3. REASON FOR TEST (Explain Fully)

Annual Tank Test To Comply With California State & Local Ordinances

4. WHO REQUESTED TEST AND WHEN

Bob Stolz — Engineer — Chevron USA — 3-25-87
Name — Title — Company or Affiliation — Date

2 Annabel Lane Suite 200 San Ramon, Ca 94583 (415) 838-5302
Address — Telephone

5. WHO IS PAYING FOR THIS TEST?

Chevron USA — BOB Stolz — Engineer — (415) 838-5302
Company, Agency or Individual — Person Authorizing — Title — Telephone

2 Annabel Lane Suite 200 San Ramon, Ca 94583
Billing Address — City — State — Zip

Attention of: — Order No. — Other Instructions

6. TANK(S) INVOLVED

Identify by Direction	Capacity	Brand/Supplier	Grade	Approx. Age	Steel/Fiberglass
#1 outside	5000	CHEVRON	SUPER-UNL	?	STEEL
#2 center	12000	"	UNLEADED	"	"
#3 inside	10,000	"	REGOLAR	"	"

7. INSTALLATION DATA

Location	Cover	Fills	Vents	Siphones	Pumps
	CONCRETE		2"	NONE	REMOTE
North inside driveway, Rear of station, etc.	Concrete, Black Top, Earth, etc.	Size, Titefill make, Drop tubes, Remote Fills	Size, Manifolded	Which tanks?	Suction, Remote, Make if known

8. UNDERGROUND WATER

Depth to the Water table 30' "

Is the water over the tank? ☐ Yes ☒ No

9. FILL-UP ARRANGEMENTS

Tanks to be filled 1800 hr. _____ Date Arranged by Tim Kerr
Name — Telephone

Extra product to "top off" and run TSTT. How and who to provide? Consider NO Lead.
E.S.T.I To provide top off- Super unleaded.

Terminal or other contact for notice or inquiry Tim Kerr
Company — Name — Telephone

10. CONTRACTOR, MECHANICS, any other contractor involved

ESTI ENGINEERING, INC.
P. O. Box 10941
Bakersfield, CA 93389-0941

11. OTHER INFORMATION OR REMARKS

Additional information on any items above. Officials or others to be advised when testing is in progress or completed. Visitors or observers present during test etc.

12. TEST RESULTS

Tests were made on the above tank systems in accordance with test procedures prescribed as detailed on attached test charts with results as follows: petro Tite TANK TESTER

Tank Identification	Tight	Leakage Indicated	Date Tested
#1	YES	-.002	10-6-87
#2	YES	-.005	10-6-87
#3	YES	-.008	10-6-87
#4			
#5			

13. CERTIFICATION

This is to certify that these tank systems were tested on the date(s) shown. Those indicated as "Tight" meet the criteria established by the National Fire Protection Asociation Pamphlet 329.

10-6-87
Date

Fred L. McClure
Paul Mascorro
Technicians

ESTI ENGINEERING, INC
Tester — Director of Company — By: Signature

P. O. Box 10941, Bakersfield, CA 93389-0941
Address

1898, 1726, 1741
Serial No. of Thermal Sensor

Name of Location Owner or Dealer: [illegible] # 8611 | Address No. and Street: 1FLEET | City: CC | State: | Date of Test: 10-6-87

15. TANK TO TEST
2 Cente Tank
Identify by position
unleaded
Brand and Grade

16. CAPACITY
Nominal Capacity: 12,000 Gallons
By most accurate capacity chart available: 11830 Gallons
Is there doubt as to True Capacity? ☐
See Section "DETERMINING TANK CAPACITY"
Source:
☐ Bottom Chart
☐ Tank Manufacturer's Chart
☐ Company Engineering Data
☐ Charts supplied with petro tite
☐ Other

17. FILL-UP FOR TEST
Stick Water Bottom before Fill-up: 0 to ¼ in. - 0 Gallons
Fill-up STICK BEFORE AND AFTER EACH COMPARTMENT DROP OR EACH METERED DELIVERY QUANTITY
Tank Diameter: 94½

Inventory	Stick Readings to ¼ in.	Gallons	Total Gallons on Reading
FUEL			11830
WATER			0
TOP OFF			+ 20
Product in full tank (up to fill pipe)			11850

18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK OBS API Gravity 54.3 Temp. 85° VAPOR RECOVERY SYSTEM
See manual sections applicable. Check below and record procedure in log (26).
Corr. API Gravity 51.5
☐ Water in tank ☐ High water table in tank excavation ☐ Line(s) being tested with LVLLT
☐ Stage I ☒ Stage II

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY
Bottom of tank to Grade*: 141"
Add 30" for 4" L: 30"
Add 24" for 3" L or slip seal: "
Total tubing to assemble Approximate: 171"

20. EXTENSION HOSE SETTING
Tank top to grade*: 16.5"
Extend hose on suction tube 6" or more below tank top: 12"
*If fill pipe extends above grade, use top of fill.

21. TEMPERATURE/VOLUME FACTOR (a) TO TEST THIS TANK
Is today Warmer? ☐ Colder? ☐ ___°F Product in Tank ___°F Fill-up Product on Truck ___°F Expected Change (+ or -)
22. Thermal Sensor reading after circulation: 21110 (digits) 87/88 (Nearest) °F
23. Digits per °F in range of expected change: 309 (digits)
24. 11,850 (total quantity in full tank (16 or 17)) × .00055325 (coefficient of expansion for involved product) = 6.5560125 gallons (volume change in this tank per °F)
25. 6.5560125 (volume change per °F (24)) ÷ 309 (Digits per °F in test Range (23)) = .0212156 (Volume change per digit. Compute to 4 decimal places.) This is Test Factor (a) .0212

26. LOG OF TEST PROCEDURES	27. Date (Mo. Day)	28. Record details of setting up and running test. (Use full length of line if needed.)	29. Reading No.	30. HYDROSTATIC PRESSURE CONTROL: Standpipe Level in Inches — Beginning of Reading	Level to which Restored	31. VOLUME MEASUREMENTS AS RECORD TO 001 GAL: 32. Product in Gallons — Before Reading	After Reading	Product Replaced (-) Product Recovered (+)	34. TEMPERATURE COMPENSATION USE FACTOR (a) .0212: Thermal Sensor Reading	35. Change Right = Lower - (b)	36. Compensation (b) × (a) = Expansion + Contraction -	38. NET VOLUME CHANGES EACH READING: Temperature Adjustment	Volume Minus (Expansion (+) or Contraction (-)) = c33(Y) - c37(T)	39. ACCUMULATED CHANGE: (If high level record total test Difference; If low level complete Change per Test on reverse)
17		Arrive test location													
19		Pump primed & running													
20		1st Sensor Reading			42.0				110						
		Start Hi level test	1	42.0	42.0	.000	.160	+.065	111	+1	+.021	-.081			
		Continued Hi level test	2	40.8	42.0	.160	.280	+.060	112	+1	+.021	-.081			
			3	39.7	42.0	.280	.385	+.045	114	+2	+.042	-.083			
			4	41.6	42.0	.385	.445	+.025	116	+2	+.042	-.067			
			5	41.9	42.0	.445	.495	+.020	117	+1	+.021	-.041			
			6	40.4	42.0	.495	1.195	+.300	180	+3	+.064	-.064			
			7	41.2	42.0	.195	.405	+.006	182	+2	+.042	-.042			
			8	41.8	42.0	.405	.500	+.005	184	+2	+.042	-.037			
		Drop to 12" low level			12.0				124						
		Start low level test	1	14.3	12.0	.030	.130	+.100	126	+2	+.042	+.058			
		Continued low level test	2	12.9	12.0	.130	.170	+.040	127	+1	+.021	+.019		+.019	
			3	12.8	12.0	.170	.210	+.040	129	+2	+.042	-.002		+.017	
			4	12.3	12.0	.210	.230	+.020	130	+1	+.021	-.001		+.016	
			5	12.0	12.0	.230	.230	+.000	131	+1	+.021	-.021		-.005	

INSPECTOR # 1726
Technician ED McCLURE
CERT # 4811421

14. Chevron #21216 — Lodi — CA — 10-6-07
(Name of Business Owner or Dealer — Address (No. and Street) — City — State — Date of Test)

petro tite TANK TESTERS

15. TANK TO TEST
#1 outside
Identity by product
S.P. - unleaded
Brand and Grade

16. CAPACITY
Nominal Capacity 5000 Gallons
Is there doubt as to True Capacity? ☐
See Section "DETERMINING TANK CAPACITY"
By most accurate capacity chart available 5225 Gallons
From:
☑ Station Chart
☐ Tank Manufacturer's Chart
☐ Company Engineering Data
☐ Charts supplied with petro tite
☐ Other

17. FILL-UP FOR TEST
Stick Water Bottom before Fill-up 0 to ½ in. . 0 Gallons
Fill up STICK BEFORE AND AFTER EACH COMPARTMENT DROP OR EACH METERED DELIVERY QUANTITY
Tank Diameter 95"

Inventory

Stick Readings to ½ in.	Gallons	Total Gallons as Reading
FUEL		5225
WATER		0
TOP OFF		15
Product in full tank (up to fill pipe)		5240

18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK OBS API Gravity 52.3 Temp. 86° VAPOR RECOVERY SYSTEM
See manual sections applicable. Check below and record procedure in log (26).
☐ Water in tank ☐ High water table in tank excavation ☐ Line(s) being tested with LVLLT
Corr. API Gravity 49.6
☐ Stage I ☑ Stage II

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY
Bottom of tank to Grade* 152"
Add 30" for 4" L 30"
Add 24" for 3" L or air seal ____"
Total tubing to assemble Approximate 182"

20. EXTENSION HOSE SETTING
Tank top to grade* 57"
Extend hose on suction tube 6" or more below tank top 24"
*If Fill pipe extends above grade, use top of fill.

21. TEMPERATURE/VOLUME FACTOR (a) TO TEST THIS TANK
Is Today Warmer? ( ) Colder? ( ) ___°F Product in Tank ___°F Fill-up Product on Truck ___°F Expected Change (+ or −)
22. Thermal-Sensor reading after circulation 21710 (oops) 89/90 (Average) °F
23. Digits per °F in range of expected change 311 (Digits)
24. 5240 (total quantity in full tank (16 or 17)) × .00053976 (coefficient of expansion for involved product) = 2.8283424 (volume change in this tank per °F) gallons
25. 2.8283424 (volume change per °F (24)) ÷ 311 (Digits per °F in test Range (23)) = .0090993485 (Volume change per digit. Compute to 4 decimal places.) = TIME factor (a) .0091

26. LOG OF TEST PROCEDURES		30. HYDROSTATIC PRESSURE CONTROL		31. VOLUME MEASUREMENTS (V) RECORD TO .001 GAL			34. TEMPERATURE COMPENSATION USE FACTOR (a) .0091			38. NET VOLUME CHANGES EACH READING	39. ACCUMULATED CHANGE
27. Start Time (24 hr.)	28. Record details of setting up and running test. (Use full length of line if needed.)	29. Reading No.	Standpipe Level in Inches: Beginning of Reading	Standpipe Level in Inches: Level to which Restored	32. Product in Gradeste: Before Reading	Product in Gradeste: After Reading	Product Replaced (−) Product Recovered (+)	35. Thermal Sensor Reading	36. Change Higher + Lower − (c)	37. Computation (c) × (a) = Expansion + Contraction −	Temperature Adjustment: Volume Minus Expansion (+) or Contraction (−) #33(V) − #37(T)	At Each Level record Total Test Difference. At Low Level complete Change per Hour (If Pit Entered)
1710	Arrive test location											
1911	Pump primed & running											
1930	1st Sensor Reading			42.0				710				
1945	Start Hi level test	1	41.9	42.0	.280	.270	−.010	718	+8	+.073	−.083	
2010	Continued Hi level test	2	41.8	42.0	.270	.250	−.020	722	+4	+.036	−.056	
2015		3	42.0	42.0	.250	.250	+.000	722	+0	+.000	+.000	
2030		4	41.8	42.0	.256	.250	−.006	722	+0	+.000	+.000	
2045		5	41.9	42.0	.256	.246	−.010	722	+0	+.000	−.016	
2100		6	42.6	42.0	.246	.246	+.000	723	+1	+.009	−.009	
2115		7	42.0	42.0	.246	.240	+.000	723	+0	+.000	+.000	
2130		8	42.1	42.0	.240	.250	+.010	724	+1	+.009	+.001	
2130	Drop to 12" low level			12.0								
2145	Start low level test	1	14.5	12.0	.250	.410	+.160	724	−0	+.000	+.160	
2200	Continued low level test	2	12.3	12.0	.410	.430	+.020	726	+2	+.018	+.002	+.002
2215		3	12.5	12.0	.430	.470	+.040	730	+4	+.036	+.004	−.006
2230		4	12.2	12.0	.470	.480	+.010	731	+1	+.009	+.001	−.007
2245		5	12.0	12.0	.430	.480	+.000	732	+1	+.009	−.009	−.002
	T-S SER# 1898											
	Tech FRED McCLURE											
	CER# 414811421											

14. [illegible] @ [illegible] — Leroy — Co — 10-6-07

15. TANK TO TEST: [illegible] Tank — Regular

16. CAPACITY: Nominal Capacity 12,000 gallons — By chart accurate capacity chart available 9980 gallons — Is there doubt as to True Capacity? ☐ — See Section "DETERMINING TANK CAPACITY" — From: ☒ Station Chart ☐ Tank Manufacturer's Chart ☐ Company Engineering Data ☐ Charts supplied with [illegible] ☐ Other

17. FILL-UP FOR TEST

	Stick Readings to ⅛ in.	Gallons	Total Gallons on Reading
Stick Water @ Before Filling	0	0	
FUEL			9980
WATER			0
TOP OFF			15
			9995

Fill up STICK BEFORE AND AFTER EACH COMPARTMENT DROP OR EACH METERED DELIVERY QUANTITY

Tank Diameter 95 — Product in full tank (up to fill pipe) —

18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK: OBS API Gravity 56.0 Temp. 85 — Corr. API Gravity 53.0

See manual sections applicable. Check below and record procedure in log (26).

☐ Water in tank ☐ High water table in tank excavation ☐ Line(s) being tested with LVLLT

VAPOR RECOVERY SYSTEM: ☐ Stage I ☒ Stage II

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY

Bottom of tank to Grade*	149"
Add 36" for 4" L	30"
Add 24" for 3" L or air seal	"
Total tubing to assemble Approximate	179"

20. EXTENSION HOSE SETTING

Tank top to grade*	54"
Extend hose on suction tube 6" or more below tank top	24"

*If fill pipe extends above grade, use top of fill.

21. TEMPERATURE/VOLUME FACTOR (a) TO TEST THIS TANK

Is Today Warmer? ☐ Colder? ☐ ___°F Product in Tank ___°F Fill-up Product on Truck ___°F Expected Change (+ or −)

22. Thermal-Sensor reading after circulation 21892 (digits) 89.90 (Nearest) °F

23. Digits per °F in range of expected change 311 digits

24. 9995 (Total quantity in full tank (18 or 17)) × .00056390 (coefficient of expansion for involved product) = 5.63618 05 (volume change in this tank per °F) gallons

25. 5.63618 05 (volume change per °F (24)) ÷ 311 (Digits per °F in test Range (22)) = .0181 227 6688 (Volume change per digit. Compute to 4 decimal places.) This is test factor (a)

26. LOG OF TEST PROCEDURES			30. HYDROSTATIC PRESSURE CONTROL: Envelope Level in Inches		31. PRODUCT MEASUREMENTS OR MILLIES TO NEAREST GAL: Product in Graduate			34. TEMPERATURE COMPENSATION USE FACTOR (a) .0181			38. NET VOLUME CHANGES EACH READING: Temperature Adjustment; Volume Minus Expansion (+) or Correction (−) e 33(1) − e 37(1)	39. ACCUMULATED CHANGES: In high level record Total Test Deflection; In low level complete Change per Test (39 for second)
27. TIME (24 hr.)	28. Record details of setting up and running test. (Use full length of line if needed.)	29. Reading No.	Beginning of Reading	Level to which Restored	Before Reading	After Reading	Product Replaced (−) Product Recovered (+)	35. Thermal Sensor Reading	36. Change Higher + Lower − (b)	37. Expansion (+) + (b) = Expansion + Contraction −		
[illegible]	Arrive test location											
[illegible]	Pump primed & running											
[illegible]	1st Sensor Reading			42.0				892				
[illegible]	Start Hi level test	1	10.5	42.0	.500	.370	−.130	892	+0	+.000	−.130	
[illegible]	Continued Hi level test	2	10.8	42.0	.370	.280	−.090	892	+0	+.000	−.090	
		3	10.1	42.0	.280	.180	−.100	891	−1	−.018	−.082	
		4	39.2	42.0	.180	.020	−.160	887	−4	−.072	−.088	
		5	10.3	42.0	.570	.440	−.130	883	−4	−.072	−.058	
		6	10.5	42.0	.440	.360	−.080	881	−2	−.036	−.044	
		7	10.6	42.0	.360	.270	−.090	879	−2	−.036	−.054	
		8	10.4	42.0	.276	.200	−.070	878	−1	−.018	−.052	
	Drop to 12" low level			12.0				878				
	Start low level test	1	14.0	12.0	.200	.320	+.120	878	+0	+.000	+.120	
	Continued low level test	2	11.8	12.0	.320	.305	−.015	875	−3	−.054	+.039	+.039
		3	11.3	12.0	.305	.260	−.045	872	−3	−.054	+.009	+.048
		4	11.8	12.0	.260	.240	−.020	872	+0	+.000	−.020	+.028
		5	11.8	12.0	.240	.220	−.020	872	+0	+.000	−.020	+.008

[illegible]-S SER# 1741
ech FRED McCLURE
ER# 414811421

DEAL[illegible] PRODUCT ADJUSTMENTS - T.[illegible]. P.

Station # 8616 Date 10-6-87

Address I-5 + Grapevine - Lebec Co

CONTRACTOR ESTI

Total Gallons Supreme UL into Unleaded 20 - [illegible] Supreme UL 15

Contractor Sign Fred McClure Dealer Sign

Total Gallons Unleaded into Regular 15 -

Contractor Sign Fred McClure Dealer Sign

Total Gallons Removed from Station 50 - "Contractors supply"

Contractor Sign Fred McClure Dealer Sign

Disposition of Product Removed from Station No not product removed from station

White - Dealer Copy
Yellow & Pink - Division T. I. P. Copy
Goldenrod - Terminal Copy when applicable

Esti
ENVIRONMENTAL
SAFETY TESTING INC.

TEST SITE DATA & CHECK LIST

NAME: Chevron STATION NUMBER 3616

ADDRESS: Lebec, Ca TESTER: FRED McCLURE

TEST ASSISTANT Paul Mascorro

TIME

ARRIVED ON SITE: 1700

FUEL TRUCK ARRIVED: 1730

COMPLETED FUEL DROP: 1800

SET UP FOR TEST: 1810

COMPLETED TEST: 2400

REASON FOR STAND BY: -0-

COMMENTS:

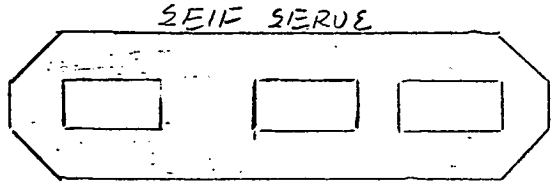
TOTALS

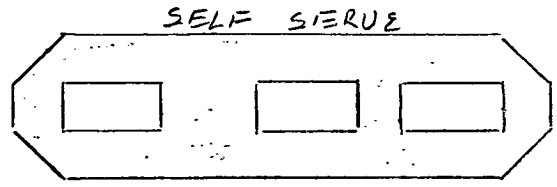
STAND BY HOURS: -0- REPAIR HOURS -0-

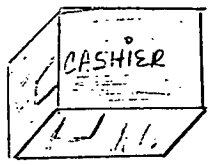
AMOUNT OF UNRECOVERED FUEL -0- GALLONS

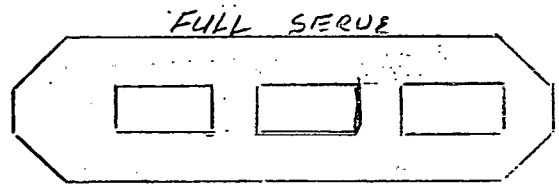
RETEST YES ☐ NO ☒

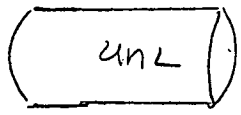
GRAPEVINE Rd

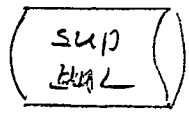


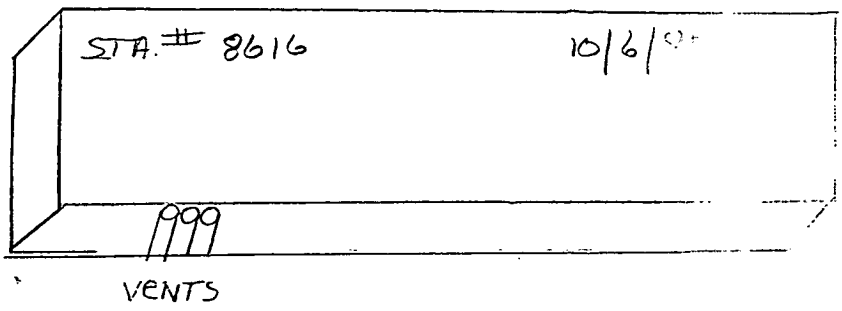












Data Chart for Tank System Tightness Test.

Kern

#98616

#1 600015

PLEASE PRINT

1. OWNER Property ☒ Tank(s) ☐

Name: CHEVRON USA Inc. Address: Hy I 5 + Hy 99 LEBEC, CA Representative: Telephone:

Name: Address: Representative: Telephone:

2. OPERATOR

Name: SAME Address: Telephone:

3. REASON FOR TEST (Explain Fully)

STATE REQUIREMENT.

4. WHO REQUESTED TEST AND WHEN

Name: CHEVRON USA Title: Inc. Company or Affiliation: Date:

Address: Telephone:

5. TANK INVOLVED Use additional lines for manifolded tanks

Identity by Direction	Capacity	Brand/Supplier	Grade	Approx Age	Steel/Fiberglass
1. NORTH	1. 5000	CHEVRON	1. SUPREME	N/A	N/A
to	2. 12000		2. UNLEADED		
SOUTH	3. 10000		3. REG		

6. INSTALLATION DATA

Location	Cover	Fills	Vents	Siphones	Pumps
South of STATION	Concrete	6" fills	2"	N/A	RED JACKETS REMOTE
North inside driveway, Rear of station, etc.	Concrete, Black Top, Earth, etc	Size, Tiefill make, Drop tubes, Remote Fills	Size, Manifolded	Which tanks?	Suction, Remote, Make if known

7. UNDERGROUND WATER

Depth to the Water table: BELOW TANK. Is the water over the tank? ☐ Yes ☑ No

8. FILL-UP ARRANGEMENTS

Tanks to be filled 1900 hr. 22 NOV 88 Date Arranged by: CHEVRON Name Telephone

Extra product to "top off" and run tank tester How and who to provide? Consider NO Lead.

Terminal or other contact for notice or inquiry: Company Name Telephone

9. CONTRACTOR, MECHANICS, any other contractor involved

SCOTT / BROADWAY SERVICE

10. OTHER INFORMATION OR REMARKS

Additional information on any items above Officials or others to be advised when testing is in progress or completed. Visitors or observers present during test, etc.

11. TEST RESULTS

Tests were made on the above tank systems in accordance with test procedures prescribed for as detailed on attached test charts with results as follows:

Tank Identification	Tight	Leakage Indicated	Date Tested
1. 1 of 3	YES	GPH +.014	22 NOV 88
2. 2 of 3	YES	" " +.013	22 NOV 88
3. 3 of 3	YES	" " +.004	22 NOV 88

12. SENSOR CERTIFICATION

N/A Date

1030 Serial No. of Thermal Sensor

13. This is to certify that these tank systems were tested on the date(s) shown. Those indicated as "Tight" meet the criteria established by the National Fire Protection Association Pamphlet 329.

Technicians

1. Richard T Leonard Certification # 414813133

2. James King Certification # N/A

SCOTT/BROADWAY SERVICE Testing Contractor or Company. By: Signature

1919 MARKET ST. OAKLAND CA. 94607 Address

415-834-2333

PINSET

STA # 98616

19. CHEVRON | HWY 5 + HWY 99 | LEBEC | CALIF. | 22 NOV 88
Name of Supplier, Owner or Dealer | Address No. and Street/St | City | State | Date of Test

15. TANK TO TEST
1 of 3
Identity by position
SUPER
Brand and Grade

15a. BRIEF DIAGRAM OF TANK FIELD
1 of 3
1
2
3
STAT

16. CAPACITY
Nominal Capacity: 5000 Gallons
By most accurate capacity chart available: 5225 Gallons
From:
- [x] Station Chart
- [ ] Tank Manufacturer's Chart
- [ ] Company Engineering Data
- [ ] Charts supplied with
- [ ] Other

17. FILL-UP FOR TEST
Stick Water Bottom before Fill-up: 0 in to ½"
0 Gallons
95" Tank Diameter in

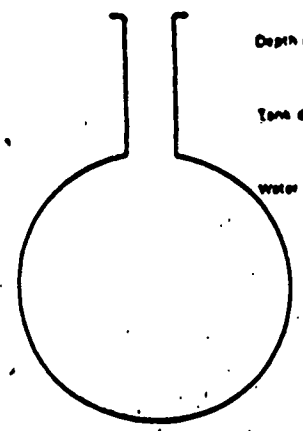
Inventory	Gallons	Total Gallons on Reading
TANK		5225
WATER		0
Top-off		10
TOTAL		5235

Transfer total to line 25a

18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK
- [ ] Water in tank
- [ ] Line(s) being tested with LVLT
- [ ] High water table in tank excavation

See manual sections applicable. Check below and record procedure in log (27)
Use maximum allowable test pressure for all tests
Four pound rule does not apply to double-walled tanks
Complete section below

1 Is four pound rule required? Yes [ ] No [x]
2 Height to 12" mark from bottom of tank ____ in
3 Pressure at bottom of tank ____ PSI
4 Pressure at top of tank ____ PSI
Depth of burial ____ in
Tank dia ____ in
Water table ____ in



NOTES.

The above calculations are to be used for dry soil conditions to establish a positive pressure advantage, or when using the four pound rule to compensate for the presence of subsurface water in the tank area.

Refer to N.F.P.A. 30, Sections 2-3.2.4 and 2-7.2 and the tank manufacturer regarding allowable system test pressures.

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY
Bottom of tank to grade* 150½ in
Add 30" for "F" probe only 30 in
Total tubing to assemble — approximate 180½ in

20. EXTENSION HOSE SETTING
Tank top to grade* 55" in
Extend hose on suction tube 6" or more below tank top 18 in
*If Fill pipe extends above grade use top of fill 65"

22. Thermal-Sensor reading after circulation 15478 ohms
69°/70° Between °F
23 Digits per °F in range of expected change 526 digits

COEFFICIENT OF EXPANSION (Complete after circulation)
24a Corrected A P I Gravity
Observed A P I Gravity
Hydrometer employed °H
Observed Sample Temperature °F
Corrected A P I Gravity @ 60°F From Table A
Coefficient of Expansion for Involved Product From Table B
Transfer COE to Line 25b

21 VAPOR RECOVERY SYSTEM [ ] Stage I [ ] Stage II

24b COEFFICIENT OF EXPANSION RECIPROCAL METHOD
Type of Product: SUPER
Hydrometer Employed: 6 °H
Temperature in Tank After Circulation: 69.4 °F
Temperature of Sample: 67° °F
Difference (+/-): -2 °F
Observed A P I Gravity: 52.8
Reciprocal: 1547 Page # 56
5235 (Total quantity in full tank (18 or 17)) . 1547 (Reciprocal) . 7.3839687 (Volume change in this tank per °F)
Transfer to Line 25a

24c. FOR TESTING WITH WATER see Table C & D
Water Temperature after Circulation Table C ____ °F
Coefficient of Water Table D ____
Added Surfactant? [ ] Yes [ ] No Transfer COE to Line 25b

25 (a) Total quantity in full tank (18 or 17) (b) Coefficient of expansion for involved product (c) Volume change in this tank per °F gallons
26. (a) 7.3839687 . 526 (Digits per °F in range of test) . 0.0103852 (Volume change per digit) = .0104 AFac

27. S/N - (030) Sensor Calibration 16568, 16571

LOG OF TEST PROCEDURES

28. DATE / TIME (24 hr.)	Record details of setting up and running test (Use full length of line if needed.)	29 Reading No.	30. HYDROSTATIC PRESSURE CONTROL: Standpipe Level in Inches, Beginning of Reading	30. Level to which Restored	31. VOLUME MEASUREMENTS (V) RECORD TO 001 GAL: 32 Product in Graduate, Before Reading	32. After Reading	33. Product Replaced (+) Product Recovered (-)	34 TEMPERATURE COMPENSATION USE FACTOR (a): 35 Thermal Sensor Reading	36. Change Higher (+) Lower (-)	37. Computation Expansion (+) Contraction (-)	38. NET VOLUME CHANGING EACH READING: Temperature Adjustment Volume Minus Expansion (+) or Contraction (-) (32(V) − 37(T))	39. ACCUMULATED CHANGE: At Low Level compute Change per Hour (NFPA criteria)
1930	ARRIVED AT STATION, REMOVED	DROP TUBE, V.R.	LINES, DISPENSER	COVERS				BLEED PLUG IN REMOTE PUMP, ETC.				
2135	SET-UP EQUIPMENT							FACTOR A = (.0104)				
2145	START CIRCULATION											
								15478				
2215	1ST THERMO READING							491				
2225	START 42" HIGH LEVEL TEST			42		.200						
2230	1ST HIGH-LEVEL READING	1	42.5		.200	.255	+.025	504	+13	+.135	-.110	
2245	CONT'D HIGH-LEVEL READINGS	2	42.5		.225	.250	+.025	513	+9	+.094	-.069	
2300		3	42.5		.250	.275	+.025	524	+11	+.114	-.089	
2315		4	42.7		.275	.310	+.035	533	+9	+.094	-.059	
2330		5	42.7		.310	.345	+.035	543	+10	+.104	-.069	
2345		6	42.6		.345	.375	+.030	553	+10	+.104	-.074	
2400		7	42.7		.375	.410	+.035	560	+7	+.073	-.038	
0015		8	42.7		.410	.445	+.035	568	+8	+.083	-.048	
0020	DROP TO LOW-LEVEL											
0030	START 12" LOW-LEVEL TEST			12		.250		575				
0045	1ST LOW-LEVEL READING	1	13.5		.250	.325	+.075	584	+9	.094	-.019	
0100	CONT'D LOW-LEVEL READINGS	2	13.5		.325	.400	+.075	592	+8	.083	-.008	-.027
0115		3	13.6		.400	.480	+.080	598	+6	.062	+.018	-.009
0130		4	13.7		.480	.465	+.085	604	+6	.062	+.023	+.014 GPH
	STOP TEST											

P-T Tank Test Data Chart
Additional Info

1. Net Volume Change at Conclusion of Precision Test (+.014) gph
Signature of Tester [signature] 11-22-88

2 Statement
[x] Tank and product handling system has been tested tight according to the Precision Test Criteria as established by N.F.P.A. publication 329. This is not intended to indicate permission of a leak
OR
[ ] Tank and product handling system has failed the tank tightness test according to the Precision Test Criteria as established by N.F.P.A. publication 329

It is the responsibility of the owner and/or operator of th system to immediately advise state and local authorities of a implied hazard and the possibility of any reportable pollution the environment as a result of the indicated failure of th System Health Consultants Incorporated does not assume a responsibility or liability for any loss of product to t environment

Tank Owner/Operator Chevron
11-22-88

STA. # 18616

19. CHEVROLET	HWY 5 + HWY 99	LEBEC	Calif.	22 NOV 88
Name of Supplier, Owner or Dealer	Address No. and Street/St	City	State	Date of Test

15. TANK TO TEST 2 of 3 (Identify by position) — UNLEADED (Brand and Grade)

15a. BRIEF DIAGRAM OF TANK FIELD Same as 1 of 3

16. CAPACITY
- Nominal Capacity: 12000 Gallons
- By most accurate capacity chart available: 11830 Gallons

From:
- [X] Station Chart
- [ ] Tank Manufacturer's Chart
- [ ] Company Engineering Data
- [ ] Charts supplied with
- [ ] Other

17. FILL-UP FOR TEST

Stick Water Bottom before Fill-up: 0 in. (to ¼") — 0 Gallons — 96 Tank Diameter in.

Inventory	Gallons	Total Gallons as Reading
TANK		11830
WATER		0
Top-off		10
TOTAL	Transfer total to line 25a	11840

18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK [ ] Water in tank [ ] Line(s) being tested with LVLT [ ] High water table in tank excavation

See manual sections applicable. Check below and record procedure in log (27)

Use maximum allowable test pressure for all tests
Four pound rule does not apply to doublewalled tanks

Complete section below

1. Is four pound rule required? Yes [ ] No [X]
2. Height to 12" mark from bottom of tank: ____ in
3. Pressure at bottom of tank: ____ PSI
4. Pressure at top of tank: ____ PSI

Depth of burial: ____ in
Tank dia: ____ in
Water table: ____ in

NOTES. BELOW TANK

The above calculations are to be used for dry soil conditions to establish a positive pressure advantage, or when using the four pound rule to compensate for the presence of subsurface water in the tank area.

Refer to N.F.P.A. 30, Sections 2-3.2.4 and 2-7.2 and the tank manufacturer regarding allowable system test pressures.

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY
- Bottom of tank to grade*: 147½" in
- Add 30" for "T" probe only: 30 in
- Total tubing to assemble — approximate: 177½ in

20. EXTENSION HOSE SETTING
- Tank top to grade*: 52" in
- Extend hose on suction tube 6" or more below tank top: 10" in
- *If Fill pipe extends above grade use top of fill: 62"

22. Thermal-Sensor reading after circulation: 14199 digits
23. Digits per °F in range of expected change: 65/66a °F Between / 326 digits

COEFFICIENT OF EXPANSION (Complete after circulation)
- 24a Corrected A.P.I. Gravity
- Observed A.P.I. Gravity
- Hydrometer employed
- Observed Sample Temperature °F
- Corrected A.P.I. Gravity @ 60°F From Table A
- Coefficient of Expansion for Involved Product From Table B
- Transfer COE to Line 25b

21 VAPOR RECOVERY SYSTEM [ ] Stage I [ ] Stage II

24b COEFFICIENT OF EXPANSION RECIPROCAL METHOD
- Type of Product: UNLEAD
- Hydrometer Employed: 60 °API
- Temperature in Tank After Circulation: 65.4 °F
- Temperature of Sample: 61 °F
- Difference (+/-): -4 °F
- Observed A.P.I. Gravity: 56.5
- Reciprocal: 1499 Page # 60

11840 (Total quantity in full tank (18 or 17)) . 1499 (Reciprocal) . 7.898599066 (Volume change in this tank per °F) — Transfer to Line 26a

24c. FOR TESTING WITH WATER see Table C & D
- Water Temperature after Circulation Table C: °F
- Coefficient of Water Table D
- Added Surfactant? [ ] Yes [ ] No — Transfer COE to Line 25b

25 (a) Total quantity in full tank (18 or 17) . (b) Coefficient of expansion for involved product: 326 . (c) Volume change in this tank per °F: 0.624228831 gallons

26. (a) 7.898599066 Volume change per °F for 100% of tank . Digits per °F in 42" range: 326 . 0.624228831 Volume change per digit . This is = .0242 APR. Use in pressure formula for test phase

27. S/N (030) Sensor Calibration 16568 / 16520

LOG OF TEST PROCEDURES

28. DATE / TIME (24 hr.)	Record details of setting up and running test (Use full length of line if needed.)	29 Reading No.	30. HYDROSTATIC PRESSURE CONTROL: Standpipe Level in Inches — Beginning of Reading	Level to which Restored	31. VOLUME MEASUREMENTS (V) RECORD TO .001 GAL: 32 Product in Graduate — Before Reading	After Reading	33. Product Replaced (+) — Product Recovered (-)	34 TEMPERATURE COMPENSATION USE FACTOR (a): 35 Thermal Sensor Reading	36. Change higher + Lower - (c)	37. Computation (c) x (a) = Expansion + Contraction -	38. NET VOLUME CHANGING EACH READING: Temperature Adjustment — Volume Minus Expansion (+) or Contraction (-) (32V) − (37T)	39. ACCUMULATED CHANGE: At Low Level compute Change per Hour (NFPA criteria)
1930	ARRIVED AT STATION, REMOVED	DROP TUBE, V.R. LINES, DISPENSER					COVERS	BLEED PLUG IN REMOTE			PUMP, ETC.	
2155	SET-UP EQUIPMENT							FACTOR	A =	(.0242)		
2210	START CIRCULATION											
								14199				
2310	1ST THERMO READING			42		.450		206				
2320	START 42" HIGH LEVEL TEST											
2325	1ST HIGH-LEVEL READING	1	42.1		.450	.455	+.005	211	+5	.121	-.116	
2346	CONT'D HIGH-LEVEL READINGS	2	42.1		.455	.460	+.005	216	+5	.121	-.116	
2355		3	42.2		.460	.470	+.010	220	+4	.097	-.087	
0010		4	42.3		.470	.485	+.015	224	+4	.097	-.082	
0020		5	42.5		.485	.510	+.025	229	+5	.121	-.096	
0025		6	42.4		.510	.530	+.020	232	+3	.073	-.053	
0035		7	42.5		.530	.555	+.025	235	+3	.073	-.048	
0050		8	42.5		.555	.580	+.025	239	+4	.097	-.072	
0105												
0110	DROP TO LOW-LEVEL											
0120	START 12" LOW-LEVEL TEST			12		.200		242				
0135	1ST LOW-LEVEL READING	1	13.2		.200	.260	+.060	245	+3	+.073	-.013	
0150	CONT'D LOW-LEVEL READINGS	2	13.4		.260	.330	+.070	248	+3	+.073	-.003	-.016
0205		3	13.5		.330	.405	+.075	250	+2	+.048	+.027	+.011
0220		4	13.5		.405	.480	+.075	253	+3	+.073	+.002	+.013 GPH
	STOP TEST											

P-T Tank Test Data Chart Additional Info

1. Net Volume Change at Conclusion of Precision Test: +.013 gph

Signature of Tester: [signature]

2 Statement

[X] Tank and product handling system has been tested tight according to the Precision Test Criteria as established by N.F.P.A. publication 329. This is not intended to indicate permission of a leak

OR

[ ] Tank and product handling system has failed the tank tightness test according to the Precision Test Criteria as established by N.F.P.A. publication 329

It is the responsibility of the owner and/or operator of the system to immediately advise state and local authorities of any implied hazard and the possibility of any reportable pollution to the environment as a result of the indicated failure of the system. Health Consultants Incorporated does not assume any responsibility or liability for any loss of product to the environment.

Tank Owner/Operator: Chevron

Date: 11-22-88

STK #9616

19.	CHEVRON	Hy I5 + Hy 99	LEBEC	CALIF	22 NOV 88
	Name of Supplier, Owner or Dealer	Address No. and Street(s)	City	State	Date of Test

15. TANK TO TEST
3 of 3 — Identity by position
REG — Brand and Grade

15a. BRIEF DIAGRAM OF TANK FIELD
Same as 1 of 3

16. CAPACITY
Nominal Capacity: 10,000 Gallons
By most accurate capacity chart available: 9980 Gallons
From: [X] Station Chart; [ ] Tank Manufacturer's Chart; [ ] Company Engineering Data; [ ] Charts supplied with; [ ] Other

17. FILL-UP FOR TEST
Stick Water Bottom before Fill-up: 0 to ¼" in
0 Gallons
95" Tank Diameter in

Inventory	Gallons	Total Gallons as Reading
TANK		9980
WATER		0
Top-off		10
TOTAL	9990	

Transfer total to line 25a

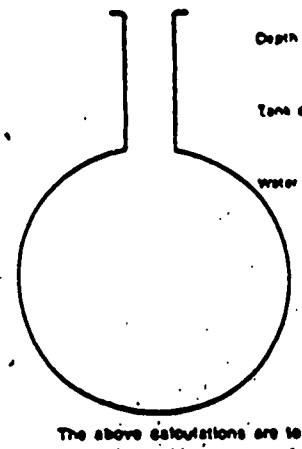
18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK [ ] Water in tank [ ] Line(s) being tested with LVLT [ ] High water table in tank excavation

See manual sections applicable. Check below and record procedure in log (27)

Use maximum allowable test pressure for all tests
Four pound rule does not apply to doublewalled tanks

Complete section below

1. Is four pound rule required? Yes [ ] No [X]
2. Height to 12" mark from bottom of tank ____ in
3. Pressure at bottom of tank ____ PSI
4. Pressure at top of tank ____ PSI



Depth of burial ____ in
Tank dia ____ in
Water table ____ in

NOTES.
BELOW TANK

The above calculations are to be used for dry soil conditions to establish a positive pressure advantage, or when using the four pound rule to compensate for the presence of subsurface water in the tank area.

Refer to N.F.P.A. 30, Sections 2-3.2.4 and 2-7.2 and the tank manufacturer regarding allowable system test pressures.

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY
Bottom of tank to grade* 148" in
Add 30" for "T" probe only 30 in
Total tubing to assemble — approximate 128" in

20. EXTENSION HOSE SETTING
Tank top to grade* 53" in
Extend hose on suction tube 6" or more below tank top 10 in
*If fill pipe extends above grade, use top of fill 63"

22. Thermal-Sensor reading after circulation 15839 digits; 70.71 °F between
23. Digits per °F in range of expected change 325 digits

COEFFICIENT OF EXPANSION (Complete after circulation)
24a Corrected A.P.I. Gravity
Observed A.P.I. Gravity
Hydrometer employed °F
Observed Sample Temperature °F
Corrected A.P.I. Gravity @ 60°F From Table A
Coefficient of Expansion for Involved Product From Table B
Transfer COE to Line 25b

21 VAPOR RECOVERY SYSTEM [ ] Stage I [ ] Stage II

24b COEFFICIENT OF EXPANSION RECIPROCAL METHOD
Type of Product: REG
Hydrometer Employed: 6 °F
Temperature in Tank After Circulation: 70.4 °F
Temperature of Sample: 67 °F
Difference (+/-): -3 °F
Observed A.P.I. Gravity: 56.2
Reciprocal: 1504 Page: 60
9990 (Total quantity in full tank (18 or 17)) . 1504 (Reciprocal) . 6.64228234 (Volume change in this tank per °F)
Transfer to Line 26a

24c. FOR TESTING WITH WATER see Table C & D
Water Temperature after Circulation Table C: °F
Coefficient of Water Table D:
Added Surfactant? [ ] Yes [ ] No Transfer COE to Line 25b

25 (a) Total quantity in full tank (18 or 17) (b) Coefficient of expansion for involved product (c) Volume change in this tank per °F: gallons
26. (a) 6.64228234 . 325 (Degrees °F per inch at 12") . 0.020437380 (Volume change per degree) Table A Fac. .0204

27. S/N – 1030 Sensor Calibration 16568 16570

LOG OF TEST PROCEDURES

28. DATE / TIME (24 hr.)	Record details of setting up and running test (Use full length of line if needed.)	29 Reading No.	30. HYDROSTATIC PRESSURE CONTROL: Standpipe Level in Inches — Beginning of Reading	Level to which Restored	31. VOLUME MEASUREMENTS (V) RECORD TO .001 GAL: 32 Product in Graduate — Before Reading	After Reading	33. Product Replaced (+) — Product Recovered (-)	34 TEMPERATURE COMPENSATION USE FACTOR (a): 35 Thermal Sensor Reading	36. Change higher (+) Lower (-) (c)	37. Computation (Expansion + Contraction -)	38. NET VOLUME CHANGING EACH READING: Temperature Adjustment — Volume Minus Expansion (+) or Contraction (-) (32x V) – 037(T)	39. ACCUMULATED CHANGE: At Low Level compute Change per Hour (NFPA criteria)
1930	ARRIVED AT STATION, REMOVED	DROP TUBE, V.R.			LINES, DISPENSER		COVERS	BLEED PLUG IN REMOTE PUMP, ETC.				
2145	SET-UP EQUIPMENT											
2200	START CIRCULATION							FACTOR A = (.0204)				
								15839				
2250	1ST THERMO READING			42		.305						
2300	START 42" HIGH LEVEL TEST											
2305	1ST HIGH-LEVEL READING	1	41.5		.305	.280	-.025	844	+5	.102	-.127	
2320	CONT'D HIGH-LEVEL READINGS	2	41.7		.280	.265	-.015	853	+9	.184	-.199	
2335		3	41.9		.265	.260	-.005	845	+11	.224	-.229	
2350		4	42.2		.260	.270	+.010	854	+9	.184	-.174	
0005		5	42.4		.270	.290	+.026	863	+9	.184	-.164	
0020		6	42.4		.290	.310	+.026	873	+10	.204	-.184	
0035		7	42.6		.310	.340	+.030	881	+8	.163	-.133	
0050		8	42.7		.340	.375	+.035	886	+5	.102	-.067	
0055	DROP TO LOW-LEVEL							889				
0105	START 12" LOW-LEVEL TEST			12		.200						
0120	1ST LOW-LEVEL READING	1	13.4		.200	.270	+.070	893	+4	+.082	-.012	
0135	CONT'D LOW-LEVEL READINGS	2	13.6		.270	.250	+.080	896	+3	+.061	+.019	+.007
0150		3	13.8		.250	.340	+.090	901	+5	+.102	-.012	-.005
0210		4	13.9		.340	.435	+.095	905	+4	+.082	+.013	+.008 GPH
	STOP TEST											

P-T Tank Test Data Chart
Additional Info

1. Net Volume Change at Conclusion of Precision Test (+.008) gph

Signature of Tester [signature] 11-22-88

2 Statement

X Tank and product handling system has been tested tight according to the Precision Test Criteria as established by N.F.P.A. publication 329. This is not intended to indicate permission of a leak.

OR

-- Tank and product handling system has failed the tank tightness test according to the Precision Test Criteria as established by N.F.P.A. publication 329.

It is the responsibility of the owner and/or operator of the system to immediately advise state and local authorities of any implied hazard and the possibility of any reportable pollution to the environment as a result of the indicated failure of this system. Health Consultants Incorporated does not assume any responsibility or liability for any loss of product to the environment.

Tank Owner/Operator Chevron

Date 11-22-88

1700 Flower Street
Bakersfield, California 93305-4198
Telephone (805) 861-2231

KERN COUNTY HEALTH DEPARTMENT
AIR POLLUTION CONTROL DISTRICT

LEON M HEBERTSON, M.D.
Director of Public Health
Air Pollution Control Officer

October 14, 1987

Jim Sampson
Chevron U.S.A.
2 Annabel Lane, Suite 200
San Ramon, CA 94583

RE: A446-60

Mr. Sampson:

The Kern County Health Department has on file that the soil contamination that was located beneath the waste oil tank located at Chevron Station #8616 has been properly removed, transported, and disposed.

This department feels that there is no further contamination present at this site and considers abandonment A446-60 complete.

Sincerely,

Thomas A Mele

Tom Mele
Environmental Health Specialist
Hazardous Materials Management Program

TM/gb

cc: Krazan

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

STEVE McCALLEY, R.E.H.S.
DIRECTOR

2700 "M" Street, Suite 300
Bakersfield, CA 93301
(805) 861-3636
(805) 861-3429 FAX

RECEIVED
APR 5 1993

Facility Name: Chevron U.S.A., Inc.
Address: I5 & Grapevine
Lebec, CA 93243

Kern County Permit #: A1842-60
County #: 15

****UNDERGROUND TANK DISPOSITION TRACKING RECORD****

This form is to be returned to the Kern County Environmental Health Services Department within 14 days of acceptance of the tank(s) by an approved disposal or recycling facility. The holder of the permit with the number noted above is responsible for insuring that this form is completed and returned.

Section 1 To be filled out by tank removal contractor:

Tank Removal Contractor: B & T SERVICE STATION CONTRACTORS
Address: P.O. BOX 220
ARROYO GRANDE, CALIFORNIA
Phone #: (805) 481 - 2552
Zip: 93421-0220
Date Tank(s) Removed: APRIL 1, 1993
No. of Tank(s): [redacted]

Section 2 To be filled out by contractor "decontaminating" tank(s):

Tank "Decontamination" Contractor: SPEED'S OIL TOOL SERVICE, INC.
Address: P.O. BOX 276
SANTA MARIA, CALIFORNIA
Phone #: (805) 925 - 4510
Zip: 93456

Tank Size	L.E.L.	Tank Size	L.E.L.
12,000	0	12,000	
10,000	0	10,000	
6,000	0	6,000	
1,000	0	1,000	

Authorized representative of the contractor certifies by signing below that the tank(s) have been decontaminated in accordance with Kern County Environmental Health Services Department requirements.

Signature _____ Title _____

Section 3 To be filled out and signed by an authorized representative of the approved disposal or recycling facility accepting the tank(s):

Facility Name: STANDARD RECYCLING
Address: P.O. BOX 1164
CARPENTERIA, CALIFORNIA
Phone #: (805) 643 - 6669
Zip: 93014
Date Tank(s) Received: APRIL 1, 1993
No. of Tank(s): (4)
Signature: _____ Title: President
(Authorized Representative)

TAYLORS OILFIELD TRUCKING
P. O. BOX 687
OAKVIEW, CA. 93022

OXNARD, CA 930
PM
02 APR
1993

KERN COUNTY ENVIRONMENTAL HEALTH SERVICES DEPARTMENT
2700 "M" STREET, SUITE 300
BAKERSFIELD, CALIFORNIA 93301

ATTN: UNDERGROUND TANK SECTION

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

STEVE McCALLEY, R.E.H.S.
DIRECTOR

2700 "M" Street, Suite 300
Bakersfield, CA 93301
(805) 861-3636
(805) 861-3429 FAX

Facility Name: Chevron U.S.A., Inc.
Address: I5 & Grapevine
Lebec, CA 93243

Kern County Permit A1842-60
County #: 15

UNDERGROUND TANK DISPOSITION TRACKING RECORD

This form is to be returned to the Kern County Environmental Health Services Department within 14 days of acceptance of the tank(s) by an approved disposal or recycling facility. The holder of the permit with the number noted above is responsible for insuring that this form is completed and returned.

Section 1 To be filled out by tank removal contractor:

Tank Removal Contractor: B & T SERVICE STATION CONTRACTORS
Address: P.O. BOX 220
ARROYO GRANDE, CALIFORNIA
Phone #: (805) 481-2552
Zip: 93421-0220
Date Tank(s) Removed: APRIL 1, 1993
No. of Tank(s): (4)

Section 2 To be filled out by contractor "decontaminating" tank(s):

Tank "Decontamination" Contractor: SPEED'S OIL TOOL SERVICE, INC.
Address: P.O. BOX 276
SANTA MARIA, CALIFORNIA
Phone #: (805) 925-4510
Zip: 93456

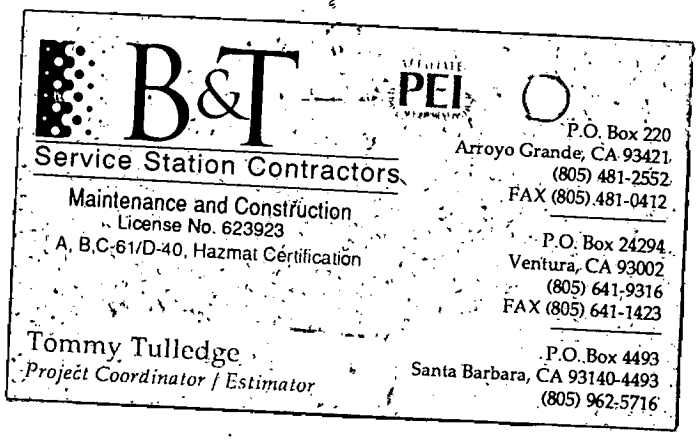
Tank Size	L.E.L.	Tank Size	L.E.L.
12,000	0	12,000	
10,000	0	10,000	
6,000	0	1,000	
1,000	0	1,000	

Authorized representative of the contractor certifies by signing below that the tank(s) have been decontaminated in accordance with Kern County Environmental Health Services Department requirements.

Signature Title

Section 3 To be filled out and signed by an authorized representative of the approved disposal or recycling facility accepting the tank(s):

Facility Name: STANDARD RECYCLING
Address: P.O. BOX 1164
CARPENTERIA, CALIFORNIA
Phone #: (805) 643-6669
Zip: 93014
Date Tank(s) Received: APRIL 1, 1993
No. of Tank(s): (4)
Signature: Title: President
(Authorized Representative)


B&T
PEI
Service Station Contractors
Maintenance and Construction
License No. 623923
A, B,C-61/D-40, Hazmat Certification
Tommy Tulledge
Project Coordinator / Estimator
P.O. Box 220
Arroyo Grande, CA 93421
(805) 481-2552
FAX (805) 481-0412
P.O. Box 24294
Ventura, CA 93002
(805) 641-9316
FAX (805) 641-1423
P.O. Box 4493
Santa Barbara, CA 93140-4493
(805) 962-5716

STANDARD INDUSTRIES

YARD: 215 Rocklite Rd.
Ventura, CA 93001
(805) 643-6669

MAIL: P.O. Box 1164
Carpinteria, CA
93014

SETTLEMENT REPORT

~~PURCHASE FROM~~: T.O.T. DATE: 4/1/93

QUANTITY	DESCRIPTION	TOTAL
(1)	12,000 GALLON USED STEEL TANK	N/V
(1)	10,000 " " " "	N/V
(1)	6,000 " " " "	N/V
(1)	1,000 " " " "	N/V
	TANKS RECEIVED TO BE COMPLETELY DISPOSED OF AS SCRAP IRON.	
	PAID BY CHECK NO. N/V	

Thank You For Your Business!

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on back of page 6.

Department of Health Services
Toxic Substances Control Program
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law.
CA L 0 0 0 2 9 8 6 4 A			

GENERATOR

3. Generator's Name and Mailing Address
CHEVRON U.S.A. INC
P.O. BOX 2833
LA HABRA CA 90632
Facility: Chevron Station 98610
8977 Grapevine Rd.
Lebec, CA. 93243

4. Generator's Phone (310) 694-7452 Desiree Gloss

A. State Manifest Document Number: 91722921
B. State Generator's ID: H Y H Q 3 6 1 0 1 X X X X
C. State Transporter's ID: 410618
D. Transporter's Phone: (805) - 925-1369
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID: C A 0 9 8 0 8 3 1 7 7
H. Facility's Phone: (805) 927-0413 - 1-800-582-3975

5. Transporter 1 Company Name: SPEEDS OIL TOOL SERVICE, INC
6. US EPA ID Number: C A D 0 1 0 3 8 7 2 2 6 4

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
Gibson Refinery
End of Commercial Drive
Bakersfield CA 93308
10. US EPA ID Number: C A D 9 8 0 8 3 1 7 7

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON-RCRA HAZARDOUS WASTE LIQUID	0 0 1	T T	0 1 0 0 0	G	State 221 EPA/Other NON/RCRA
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
WATER, 95%
GAS / OIL - 5%

K. Handling Codes for Wastes Listed Above
a. 0 1 b.
c. d.

15. Special Handling Instructions and Additional Information
GLOVES & GOGGLES
RELEASE # 15200

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
MARIO B. BAUTISTA		0 3	1 3	1 9 3

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
FRANK McCORMACK		0 3	1 3	1 9 3

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Month	Day	Year
BRIAN HOLCOMB		0 3	1 3	1 9 3

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

91722921

DHS 8022A (12/90)
EPA 8700—22

White: TSDF SENDS THIS COPY TO DHS WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

STEVE McCALLEY, R.E.H.S.
DIRECTOR

2700 "M" Street, Suite 300
Bakersfield, CA 93301
(805) 861-3636
(805) 861-3429 FAX

PERMIT FOR PERMANENT CLOSURE OF UNDERGROUND HAZARDOUS SUBSTANCES STORAGE FACILITY

PERMIT NUMBER A 1842-60

FACILITY NAME/ADDRESS:

Chevron U.S.A., Inc.
I-5 & Grapevine
Lebec, CA 93243

OWNER(S) NAME/ADDRESS:

Chevron U.S.A. Products Company
P. O. Box 2833
La Habra, CA 90632-2833

Phone: (310) 694-7299

CONTRACTOR:

B & T Service Station Contractors
P. O. Box 220
Arroyo Grande, CA 93421
License #623923
Phone: (805) 481-2552

PERMIT FOR CLOSURE OF

4 TANK(S) AT ABOVE

LOCATION

PERMIT EXPIRES June 8, 1993

APPROVAL DATE March 8, 1993

APPROVED BY Carrie Georgi

Carrie Georgi
Hazardous Materials Specialist

POST ON PREMISES

CONDITIONS AS FOLLOWS:

1. It is the responsibility of the Permittee to obtain permits which may be required by other regulatory agencies prior to beginning work (i.e., City Fire and Building Departments).
2. Permittee must notify the Hazardous Materials Management Program at (805) 861-3636 two working days prior to tank removal or abandonment in place to arrange for required inspections(s).
3. Tank closure activities must be per Kern County Environmental Health and Fire Department approved methods as described in Handbook UT-30.
4. It is the contractor's responsibility to know and adhere to all applicable laws regarding the handling, transportation or treatment of hazardous materials.
5. The tank removal contractor must have a qualified company employee on site supervising the tank removal. The employee must have tank removal experience prior to working unsupervised.
6. If any contractors other than those listed on permit and permit application are to be utilized, prior approval must be granted by the specialist listed on the permit. Deviation from the submitted application is not allowed.
7. Soil Sampling:
   a. **Tank size less than or equal to 1,000 gallons** - a minimum of two samples must be retrieved from beneath the center of the tank at depths of approximately two feet and six feet.
   b. **Tank size greater than 1,000 to 10,000 gallons** - a minimum of four samples must be retrieved one-third of the way in from the ends of each tank at depths of approximately two feet and six feet.
   c. **Tank size greater than 10,000 gallons** - a minimum of six samples must be retrieved one-fourth of the way in from the ends of each tank and beneath the center of each tank at depths of approximately two feet and six feet.
8. Soil Sampling (piping area):
   A minimum of two samples must be retrieved at depths of approximately two feet and six feet for every 15 linear feet of pipe run and under the dispenser area.

PERMIT FOR PERMANENT CLOSURE
OF UNDERGROUND HAZARDOUS
SUBSTANCES STORAGE FACILITY

PERMIT NUMBER A 1842-60
ADDENDUM

9. Soil Sample analysis:
   a. All soil samples retrieved from beneath gasoline (leaded/unleaded) tanks and appurtenances must be analyzed for benzene, toluene, xylene, and total petroleum hydrocarbons (for gasoline).
   b. All soil samples retrieved from beneath diesel tanks and appurtenances must be analyzed for total petroleum hydrocarbons (for diesel) and benzene.
   c. All soil samples retrieved from beneath waste oil tanks and appurtenances must be analyzed for total organic halides, lead, oil and grease.
   d. All soil samples retrieved from beneath crude oil tanks and appurtenances must be analyzed for oil and grease.
   e. All soil samples retrieved from beneath tanks and appurtenances that contain unknown substances must be analyzed for a full range of substances that may have been stored within the tank.

10. The following timetable lists pre- and post-tank removal requirements:

ACTIVITY	DEADLINE
Complete permit application submitted to Hazardous Materials Management Program	At least two weeks prior to closure
Notification to inspector listed on permit of date and time of closure and soil sampling	Two working days
Transportation and tracking forms sent to Hazardous Materials Management Program. All hazardous waste manifests must be signed by the receiver of the hazardous waste	No later than 5 working days for transportation and 14 working days for the tracking form after tank removal
Sample analysis to Hazardous Materials Management Program	No later than 3 working days after completion of analysis

11. Purging/Inerting Conditions:
   a. Liquid shall be pumped from tank prior to purging such that less than 8 gallons of liquid remain in tank. (CSH&SC 41700)
   b. Tank shall be purged through vent pipe discharging at least 10 feet above ground level. (CSH&SC 41700)
   c. No emission shall result in odors detectable at or beyond property line. (Rule 419)
   d. No emission shall endanger the health, safety, comfort or repose of any person. (CSH&SC 41700)
   e. Vent lines shall remain attached to tank until the inspector arrives to authorize removal.

RECOMMENDATIONS/GUIDELINES FOR REMOVAL OF UNDERGROUND STORAGE TANKS

This department is responsible for enforcing the Kern County Ordinance Code, Division 8 and state regulations pertaining to underground storage tanks. Representatives from this department respond to job sites during tank removals to ensure that the tanks are safe to remove/close and that the overall job performance is consistent with permit requirements, applicable laws and safety standards. The following guidelines are offered to clarify the interests and expectations for this department.

1. Job site safety is one of our primary concerns. Excavations are inherently dangerous. It is the contractor's responsibility to know and abide by CAL-OSHA regulations. The job foreman is responsible for the crew and any subcontractors on the job. As a general rule, workers are not permitted in improperly sloped excavations or when unsafe conditions exist in the hole. Tools and equipment are to be used only for their designed function. For example, backhoe buckets are never substituted for ladders.

2. Properly licensed contractors are assumed to understand the requirements of the permit issued. The job foreman is responsible for knowing and abiding by the conditions of the permit. Deviation from the permit conditions may result in a stop-work order.

3. Individual contractors will be held responsible for their post-removal paperwork. Tracking forms, hazardous waste manifests and analyses documentation are necessary for each site in order to close a case file or move it into mitigation. When contractors do not follow through on necessary paperwork, an unmanageable backlog of incomplete cases results. If this continues, processing time for completing new closures will increase.

Accepted By: Scott Carter
OWNER OR AGENT

3/25/93
DATE

CG:cas
\georgi\1842-60h.m88

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

5493

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☒ 7 PERMANENTLY CLOSED SITE ☐ 6 TEMPORARY SITE CLOSURE

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME	NAME OF OPERATOR	
CHEVRON # 8616	CHEVRON PRODUCTS COMPANY	
ADDRESS: 8977 GRAPEVINE ROAD	NEAREST CROSS STREET: CO. ROAD @ 2337	PARCEL # (OPTIONAL)
CITY NAME: LEBEC	STATE: CA / ZIP CODE: 93243	SITE PHONE # WITH AREA CODE: N/A

✓ BOX TO INDICATE: ☒ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY DISTRICTS ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY

TYPE OF BUSINESS	✓ IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE	E. P. A. I. D. # (optional)
☒ 1 GAS STATION ☐ 2 DISTRIBUTOR ☐ 3 FARM ☐ 4 PROCESSOR ☐ 5 OTHER	☐	4	

EMERGENCY CONTACT PERSON (PRIMARY)		EMERGENCY CONTACT PERSON (SECONDARY) - optional	
DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
BAUTISTA, MARIO	(310) 694 - 7299	LIND, CARL	(310) 807 - 2405
NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
BAUTISTA, MARIO	(310) 694 - 7299	LIND, CARL	(310) 807 - 2405

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME	CARE OF ADDRESS INFORMATION		
CHEVRON U.S.A. PRODUCTS COMPANY	MARIO BAUTISTA		
MAILING OR STREET ADDRESS: P.O. BOX 2833	✓ box to indicate: ☒ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY		
CITY NAME: LA HABRA	STATE: CAL	ZIP CODE: 90632-2833	PHONE # WITH AREA CODE: (310) 694 - 7299

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER	CARE OF ADDRESS INFORMATION		
CHEVRON U.S.A. PRODUCTS COMPANY	MARIO BAUTISTA		
MAILING OR STREET ADDRESS: P.O. BOX 2033	✓ box to indicate: ☒ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY		
CITY NAME: LA HABRA	STATE: CAL	ZIP CODE: 93243	PHONE # WITH AREA CODE: (310) 694 - 7299

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 323-9555 if questions arise.

TY (TK) HQ 4 4 - [ ][ ][ ][ ][ ][ ]

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) – IDENTIFY THE METHOD(S) USED

✓ box to indicate: ☐ 1 SELF-INSURED ☐ 2 GUARANTEE ☒ 3 INSURANCE ☐ 4 SURETY BOND ☐ 5 LETTER OF CREDIT ☐ 6 EXEMPTION ☐ 99 OTHER

VI. LEGAL NOTIFICATION AND BILLING ADDRESS

Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I. ☐ II. ☒ III. ☐

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)	APPLICANT'S TITLE	DATE MONTH/DAY/YEAR
TOMMY TULLEDGE	PROJECT COORDINATOR	MARCH 2, 1993

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	FACILITY #
15	000	600015

LOCATION CODE - *OPTIONAL*	CENSUS TRACT # - *OPTIONAL*	SUPVISOR - DISTRICT CODE - *OPTIONAL*
	60	

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.

INSTRUCTIONS FOR COMPLETING FORM "A"

GENERAL INSTRUCTIONS:

1. One FORM "A" shall be completed for all **NEW PERMITS, PERMIT CHANGES** or any **FACILITY/SITE INFORMATION CHANGES.**
2. **SUBMIT ONLY ONE (1) FORM "A"** for a Facility/Site, regardless of the number of tanks located at the site.
3. This form should be completed by either the PERMIT **APPLICANT** or the **LOCAL AGENCY UNDERGROUND TANK INSPECTOR.**
4. Please type or print clearly all requested information.
5. Use a hard point writing instrument, you are making 3 copies.

TOP OF FORM: "MARK ONLY ONE ITEM"

Mark an (X) in the box next to the item that best describes the reason the form is being completed.

I. FACILITY/SITE INFORMATION & ADDRESS (MUST BE COMPLETED)

1. Record name and address (physical location) of the underground tank(s).
   NOTE: Address MUST have a valid physical location including city, state, and zip code.
   P.O. BOX NUMBERS ARE NOT ACCEPTABLE.
   Include nearest cross street and name of the operator.
2. Phone number must have an area code. If the night number is the same, write "SAME" in proper location
3. Check the appropriate box for TYPE OF BUSINESS OWNERSHIP (ex. CORPORATION, INDIVIDUAL, etc.)
4. Check the appropriate box for TYPE OF BUSINESS.
5. If Facility/Site is located within an Indian reservation or other Indian trust lands, check the box marked "YES".
6. Indicate the NUMBER of TANKS at this SITE.
7. Record the E.P.A. ID # or write "NONE" in the space provided.

II. PROPERTY OWNER INFORMATION & ADDRESS (MUST BE COMPLETED)

Complete all items in this section, unless all items are the same as SECTION 1; if the same, write **"SAME AS SITE"** across this section. Be sure to check PROPERTY OWNERSHIP TYPE box.

III. TANK OWNER INFORMATION & ADDRESS (MUST BE COMPLETED)

Complete all items in this section, unless all items are the same as SECTION 1; If the same, write **"SAME AS SITE"** across this section. Be sure to check **TANK OWNERSHIP TYPE** box.

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER (MUST BE COMPLETED)

Enter your Board of Equalization (BOE) UST storage fee account number which is required before your permit application can be processed. Registration with the BOE will ensure that you will receive a quarterly storage fee return in reporting the $0.006 (6 mills) per gallon fee due on the number of gallons placed in your USTs. The BOE will code persons exempt from paying the storage fee so returns will not be sent. If you do not have an account number with the BOE or if you have any questions regarding the fee or exemptions, please call the BOE at 916-323-9555 or write to the BOE at the following address: Board of Equalization, Environmental Fees Unit, P.O. Box 942879, Sacramento, CA 94279-0001.

V. PETROLEUM UST FINANCIAL RESPONSIBILITY (MUST BE COMPLETED)

Identify the method(s) used by the owner and/or operator in meeting the Federal and State financial responsibility requirements. USTs owned by any Federal or State agency are exempt from this requirement.

VI. LEGAL NOTIFICATION AND BILLING ADDRESS

Check ONE BOX for the address that will be used for **BOTH LEGAL AND BILLING NOTIFICATIONS.**

APPLICANT MUST SIGN AND DATE THE FORM AS INDICATED.

INSTRUCTION FOR THE LOCAL AGENCIES

The county and jurisdiction numbers are predetermined and can be obtained by calling the State Board (916)739-2421. The facility number may be assigned by the local agency; however, this number must be numerical and cannot contain any alphabetical. If the local agency prefers the State Board to assign the facility number, please leave it blank.

IT IS THE RESPONSIBILITY OF THE LOCAL AGENCY THAT INSPECTS THE FACILITY TO VERIFY THE ACCURACY OF THE INFORMATION. THIS APPLICATION CANNOT BE PROCESSED IF THE BOE ACCOUNT NUMBER IS NOT FILLED IN. THE LOCAL AGENCY IS RESPONSIBLE FOR THE COMPLETION OF THE "LOCAL AGENCY USE ONLY" INFORMATION BOX AND FOR FORWARDING ONE FORM "A" AND ASSOCIATED FORM "B"(s) TO THE FOLLOWING ADDRESS.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
C/O S.W.E.E.P.S.
DATA PROCESSING CENTER
P.O. BOX 527
PARAMOUNT, CA 90723

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM: [ ] 1 NEW PERMIT [ ] 2 INTERIM PERMIT [ ] 3 RENEWAL PERMIT [ ] 4 AMENDED PERMIT [ ] 5 CHANGE OF INFORMATION [ ] 6 TEMPORARY TANK CLOSURE [X] 7 PERMANENTLY CLOSED ON SITE [ ] 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: CHEVRON # 8616

I. TANK DESCRIPTION

COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. #

B. MANUFACTURED BY: UNKNOWN

C. DATE INSTALLED (MO/DAY/YEAR): 1968

D. TANK CAPACITY IN GALLONS: 12,000

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A. [X] 1 MOTOR VEHICLE FUEL [ ] 2 PETROLEUM [ ] 3 CHEMICAL PRODUCT [ ] 4 OIL [ ] 80 EMPTY [ ] 95 UNKNOWN

B. [X] 1 PRODUCT [ ] 2 WASTE

C. [ ] 1a REGULAR UNLEADED [XX] 1b PREMIUM UNLEADED [ ] 2 LEADED [ ] 3 DIESEL [ ] 4 GASAHOL [ ] 5 JET FUEL [ ] 6 AVIATION GAS [ ] 7 METHANOL [ ] 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED

C. A. S. # :

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM: [ ] 1 DOUBLE WALL [X] 2 SINGLE WALL [ ] 3 SINGLE WALL WITH EXTERIOR LINER [ ] 4 SECONDARY CONTAINMENT (VAULTED TANK) [ ] 95 UNKNOWN [ ] 99 OTHER

B. TANK MATERIAL (Primary Tank): [X] 1 BARE STEEL [ ] 2 STAINLESS STEEL [ ] 3 FIBERGLASS [ ] 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC [ ] 5 CONCRETE [ ] 6 POLYVINYL CHLORIDE [ ] 7 ALUMINUM [ ] 8 100% METHANOL COMPATIBLE W/FRP [ ] 9 BRONZE [ ] 10 GALVANIZED STEEL [ ] 95 UNKNOWN [ ] 99 OTHER

C. INTERIOR LINING: [ ] 1 RUBBER LINED [ ] 2 ALKYD LINING [ ] 3 EPOXY LINING [ ] 4 PHENOLIC LINING [ ] 5 GLASS LINING [X] 6 UNLINED [ ] 95 UNKNOWN [ ] 99 OTHER

IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL ? YES ___ NO ___

D. CORROSION PROTECTION: [ ] 1 POLYETHYLENE WRAP [ ] 2 COATING [ ] 3 VINYL WRAP [ ] 4 FIBERGLASS REINFORCED PLASTIC [ ] 5 CATHODIC PROTECTION [ ] 91 NONE [X] 95 UNKNOWN [ ] 99 OTHER

E. SPILL AND OVERFILL: SPILL CONTAINMENT INSTALLED (YEAR) 1986 OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) 1990

IV. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE: A U 1 SUCTION; A [illegible] 2 PRESSURE; A U 3 GRAVITY; A U 99 OTHER

B. CONSTRUCTION: A [illegible] 1 SINGLE WALL; A U 2 DOUBLE WALL; A U 3 LINED TRENCH; A U 95 UNKNOWN; A U 99 OTHER

C. MATERIAL AND CORROSION PROTECTION: A U 1 BARE STEEL; A U 2 STAINLESS STEEL; A U 3 POLYVINYL CHLORIDE (PVC); A [illegible] 4 FIBERGLASS PIPE; A U 5 ALUMINUM; A U 6 CONCRETE; A U 7 STEEL W/ COATING; A U 8 100% METHANOL COMPATIBLE W/FRP; A U 9 GALVANIZED STEEL; A U 10 CATHODIC PROTECTION; A U 95 UNKNOWN; A U 99 OTHER

D. LEAK DETECTION: [X] 1 AUTOMATIC LINE LEAK DETECTOR [XX] 2 LINE TIGHTNESS TESTING [ ] 3 INTERSTITIAL MONITORING [ ] 99 OTHER

V. TANK LEAK DETECTION

[X] 1 VISUAL CHECK [ ] 2 INVENTORY RECONCILIATION [ ] 3 VADOZE MONITORING [ ] 4 AUTOMATIC TANK GAUGING [ ] 5 GROUND WATER MONITORING [X] 6 TANK TESTING [ ] 7 INTERSTITIAL MONITORING [ ] 91 NONE [ ] 95 UNKNOWN [ ] 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR): MARCH 1, 1993

2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING: 0 GALLONS

3. WAS TANK FILLED WITH INERT MATERIAL ? YES [ ] NO [XX]

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE): TOMMY TULLEDGE

DATE: MARCH 3, 1993

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
	15	000	600015	000001

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE
600015		

FORM B (7-91) THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FOR0034B-R5

INSTRUCTIONS FOR COMPLETING FORM "B"

GENERAL INSTRUCTIONS:

1. One FORM "B" shall be completed for each tank for all **NEW PERMITS, PERMIT CHANGES, REMOVALS** and/or any other **TANK INFORMATION CHANGE.**
2. This form should be completed by either the **PERMIT APPLICANT** or the **LOCAL AGENCY UNDERGROUND TANK INSPECTOR.**
3. Please type or print clearly all requested information.
4. Use a hard point writing instrument, you are making 3 copies.

TOP OF FORM: "MARK ONLY ONE ITEM"

1. Mark an (X) in the box next to the item that best describes the reason the form is being completed.
2. Indicate the DBA or Facility name where the tank is installed.

I. TANK DESCRIPTION - COMPLETE ALL ITEMS - IF UNKNOWN - SO SPECIFY

A. Indicate owners tank ID # - If there is a tank number that is used by the owner to identify the tank (ex. AB70789).
B. Indicate the name of the company that manufactured the tank (ex. ACME TANK MFG.).
C. Indicate the year the tank was installed (ex. 1987).
D. Indicate the tank capacity in gallons (ex. 25,000 or 10,000 etc.).

II. TANK CONTENTS

A. 1. If MOTOR VEHICLE FUEL, check box 1 and complete items B & C.
   2. If not MOTOR VEHICLE FUEL, check the appropriate box in section A and complete items B & D.
B. Check the appropriate box.
C. Check the type of MOTOR VEHICLE FUEL (if box 1 is checked in A).
D. Print the chemical name of the hazardous substance stored in the tank and the C.A.S.#. (Chemical Abstract Service number), if box 1 is NOT checked in A.

III. TANK CONSTRUCTION - MARK ONE ITEM ONLY IN BOX A, B, C & D

1. Check only one item in TYPE OF SYSTEM, TANK MATERIAL, INTERIOR LINING and CORROSION PROTECTION.
2. If OTHER, print in the space provided.

IV. PIPING INFORMATION

1. Circle **A** if above ground; circle **U** if underground; and circle both if applicable.
2. If UNKNOWN, circle; or if OTHER, print in space provided.
3. Indicate the LEAK DETECTION system(s) used to comply with the monitoring requirement for the piping.

V. TANK LEAK DETECTION

1. Indicate the LEAK DETECTION system(s) used to comply with the monitoring requirements for the tank.

VI. INFORMATION ON TANK PERMANENTLY CLOSED IN PLACE

1. ESTIMATED DATE LAST USED - MONTH/YEAR (January, 1988 or 01/88).
2. ESTIMATED QUANTITY of HAZARDOUS SUBSTANCE remaining in the tank (in Gallons).
3. WAS TANK FILLED WITH INERT MATERIAL? Check 'Yes' or 'NO'.

APPLICANT MUST SIGN AND DATE THE FORM AS INDICATED.

INSTRUCTION FOR THE LOCAL AGENCIES

The state underground storage tank identification number is composed of the two digit county number, the three digit jurisdiction number, the six digit facility number and the six digit tank number. The county and jurisdiction numbers are predetermined and can be obtained by calling the State Board (916)739-2421. The facility number must be the same as shown in form "A". The tank number may be assigned by the local agency; however, this number must be numerical and cannot contain an alphabet. If the local agency prefers the State Board to assign the tank number, please leave it blank.

IT IS THE RESPONSIBILITY OF THE LOCAL AGENCY THAT INSPECTS THE FACILITY TO VERIFY THE ACCURACY OF THE INFORMATION. THE LOCAL AGENCY IS RESPONSIBLE FOR THE COMPLETION OF THE "LOCAL AGENCY USE ONLY" INFORMATION BOX AND FOR FORWARDING ONE FORM "A" AND ASSOCIATED FORM "B"(s) TO THE FOLLOWING ADDRESS.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
C/O S.W.E.E.P.S.
DATA PROCESSING CENTER
P.O. BOX 527
PARAMOUNT, CA 90723

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM: [ ] 1 NEW PERMIT [ ] 2 INTERIM PERMIT [ ] 3 RENEWAL PERMIT [ ] 4 AMENDED PERMIT [ ] 5 CHANGE OF INFORMATION [ ] 6 TEMPORARY TANK CLOSURE [X] 7 PERMANENTLY CLOSED ON SITE [ ] 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: CHEVRON # 0616

I. TANK DESCRIPTION

COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. #	B. MANUFACTURED BY: UNKNOWN
C. DATE INSTALLED (MO/DAY/YEAR) 1970	D. TANK CAPACITY IN GALLONS: 6,000

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A. [XX] 1 MOTOR VEHICLE FUEL [ ] 2 PETROLEUM [ ] 3 CHEMICAL PRODUCT [ ] 4 OIL [ ] 80 EMPTY [ ] 95 UNKNOWN

B. [X] 1 PRODUCT [ ] 2 WASTE

C. [ ] 1a REGULAR UNLEADED [ ] 1b PREMIUM UNLEADED [ ] 2 LEADED [ ] 3 DIESEL [ ] 4 GASAHOL [ ] 5 JET FUEL [ ] 6 AVIATION GAS [ ] 7 METHANOL [XX] 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED MID-GRADE UNLEADED C. A. S. # :

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM: [ ] 1 DOUBLE WALL [X] 2 SINGLE WALL [ ] 3 SINGLE WALL WITH EXTERIOR LINER [ ] 4 SECONDARY CONTAINMENT (VAULTED TANK) [ ] 95 UNKNOWN [ ] 99 OTHER

B. TANK MATERIAL (Primary Tank): [X] 1 BARE STEEL [ ] 2 STAINLESS STEEL [ ] 3 FIBERGLASS [ ] 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC [ ] 5 CONCRETE [ ] 6 POLYVINYL CHLORIDE [ ] 7 ALUMINUM [ ] 8 100% METHANOL COMPATIBLE W/FRP [ ] 9 BRONZE [ ] 10 GALVANIZED STEEL [ ] 95 UNKNOWN [ ] 99 OTHER

C. INTERIOR LINING: [ ] 1 RUBBER LINED [ ] 2 ALKYD LINING [ ] 3 EPOXY LINING [ ] 4 PHENOLIC LINING [ ] 5 GLASS LINING [XX] 6 UNLINED [ ] 95 UNKNOWN [ ] 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL ? YES ___ NO ___

D. CORROSION PROTECTION: [ ] 1 POLYETHYLENE WRAP [ ] 2 COATING [ ] 3 VINYL WRAP [ ] 4 FIBERGLASS REINFORCED PLASTIC [ ] 5 CATHODIC PROTECTION [ ] 91 NONE [X] 95 UNKNOWN [ ] 99 OTHER

E. SPILL AND OVERFILL: SPILL CONTAINMENT INSTALLED (YEAR) 1986 OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) 1990

IV. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER			
B. CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN	A U 99 OTHER		
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE			
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE W/FRP			
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 95 UNKNOWN	A U 99 OTHER			
D. LEAK DETECTION	[X] 1 AUTOMATIC LINE LEAK DETECTOR	[X] 2 LINE TIGHTNESS TESTING	[ ] 3 INTERSTITIAL MONITORING	[ ] 99 OTHER			

V. TANK LEAK DETECTION

[X] 1 VISUAL CHECK [ ] 2 INVENTORY RECONCILIATION [ ] 3 VADOZE MONITORING [ ] 4 AUTOMATIC TANK GAUGING [ ] 5 GROUND WATER MONITORING
[X] 6 TANK TESTING [ ] 7 INTERSTITIAL MONITORING [ ] 91 NONE [ ] 95 UNKNOWN [ ] 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING	3. WAS TANK FILLED WITH INERT MATERIAL ?
MARCH 1, 1993	0 GALLONS	YES [ ] NO [O]

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)	DATE
TOMMY TULLEDGE	MARCH 3, 1993

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
	15	000	600015	000002

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE
600015		

FORM B (7-91) THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FOR0034B-R5

INSTRUCTIONS FOR COMPLETING FORM "B"

GENERAL INSTRUCTIONS:

1. One FORM "B" shall be completed for each tank for all **NEW PERMITS, PERMIT CHANGES, REMOVALS** and/or any other **TANK INFORMATION CHANGE.**
2. This form should be completed by either the **PERMIT APPLICANT** or the **LOCAL AGENCY UNDERGROUND TANK INSPECTOR.**
3. Please type or print clearly all requested information.
4. Use a hard point writing instrument, you are making 3 copies.

TOP OF FORM: "MARK ONLY ONE ITEM"

1. Mark an (X) in the box next to the item that best describes the reason the form is being completed.
2. Indicate the DBA or Facility name where the tank is installed.

I. TANK DESCRIPTION - COMPLETE ALL ITEMS - IF UNKNOWN - SO SPECIFY

A. Indicate owners tank ID # - If there is a tank number that is used by the owner to identify the tank (ex. AB70789).
B. Indicate the name of the company that manufactured the tank (ex. ACME TANK MFG.).
C. Indicate the year the tank was installed (ex. 1987).
D. Indicate the tank capacity in gallons (ex. 25,000 or 10,000 etc.).

II. TANK CONTENTS

A. 1. If MOTOR VEHICLE FUEL, check box 1 and complete items B & C.
   2. If not MOTOR VEHICLE FUEL, check the appropriate box in section A and complete items B & D.
B. Check the appropriate box.
C. Check the type of MOTOR VEHICLE FUEL (if box 1 is checked in A).
D. Print the chemical name of the hazardous substance stored in the tank and the C.A.S.#. (Chemical Abstract Service number), if box 1 is NOT checked in A.

III. TANK CONSTRUCTION - MARK ONE ITEM ONLY IN BOX A, B, C & D

1. Check only one item in TYPE OF SYSTEM, TANK MATERIAL, INTERIOR LINING and CORROSION PROTECTION.
2. If OTHER, print in the space provided.

IV. PIPING INFORMATION

1. Circle **A** if above ground; circle **U** if underground; and circle both if applicable.
2. If UNKNOWN, circle; or if OTHER, print in space provided.
3. Indicate the LEAK DETECTION system(s) used to comply with the monitoring requirement for the piping.

V. TANK LEAK DETECTION

1. Indicate the LEAK DETECTION system(s) used to comply with the monitoring requirements for the tank.

VI. INFORMATION ON TANK PERMANENTLY CLOSED IN PLACE

1. ESTIMATED DATE LAST USED - MONTH/YEAR (January, 1988 or 01/88).
2. ESTIMATED QUANTITY of HAZARDOUS SUBSTANCE remaining in the tank (in Gallons).
3. WAS TANK FILLED WITH INERT MATERIAL? Check 'Yes' or 'NO'.

APPLICANT MUST SIGN AND DATE THE FORM AS INDICATED.

INSTRUCTION FOR THE LOCAL AGENCIES

The state underground storage tank identification number is composed of the two digit county number, the three digit jurisdiction number, the six digit facility number and the six digit tank number. The county and jurisdiction numbers are predetermined and can be obtained by calling the State Board (916)739-2421. The facility number must be the same as shown in form "A". The tank number may be assigned by the local agency; however, this number must be numerical and cannot contain an alphabet. If the local agency prefers the State Board to assign the tank number, please leave it blank.

IT IS THE RESPONSIBILITY OF THE LOCAL AGENCY THAT INSPECTS THE FACILITY TO VERIFY THE ACCURACY OF THE INFORMATION. THE LOCAL AGENCY IS RESPONSIBLE FOR THE COMPLETION OF THE "LOCAL AGENCY USE ONLY" INFORMATION BOX AND FOR FORWARDING ONE FORM "A" AND ASSOCIATED FORM "B"(s) TO THE FOLLOWING ADDRESS.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
C/O S.W.E.E.P.S.
DATA PROCESSING CENTER
P.O. BOX 527
PARAMOUNT, CA 90723

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM
☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY TANK CLOSURE ☒ 7 PERMANENTLY CLOSED ON SITE ☐ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: CHEVRON # 9616

I. TANK DESCRIPTION
COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. #	B. MANUFACTURED BY: UNKNOWN
C. DATE INSTALLED (MO/DAY/YEAR) 1970	D. TANK CAPACITY IN GALLONS: 10,000

II. TANK CONTENTS
IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☒ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT ☐ 4 OIL ☐ 80 EMPTY ☐ 95 UNKNOWN

B. ☒ 1 PRODUCT ☐ 2 WASTE

C. ☒ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 2 LEADED ☐ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 6 AVIATION GAS ☐ 7 METHANOL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED C. A. S. # :

III. TANK CONSTRUCTION
MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM: ☐ 1 DOUBLE WALL ☒ 2 SINGLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☐ 95 UNKNOWN ☐ 99 OTHER

B. TANK MATERIAL (Primary Tank): ☒ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☐ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE W/FRP ☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER

C. INTERIOR LINING: ☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☐ 5 GLASS LINING ☒ 6 UNLINED ☐ 95 UNKNOWN ☐ 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL ? YES ___ NO ___

D. CORROSION PROTECTION: ☐ 1 POLYETHYLENE WRAP ☐ 2 COATING ☐ 3 VINYL WRAP ☐ 4 FIBERGLASS REINFORCED PLASTIC ☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☒ 95 UNKNOWN ☐ 99 OTHER

E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) 1986 OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) 1990

IV. PIPING INFORMATION
CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER			
B. CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN	A U 99 OTHER		
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE			
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE W/FRP			
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 95 UNKNOWN	A U 99 OTHER			
D. LEAK DETECTION	☒ 1 AUTOMATIC LINE LEAK DETECTOR	☒ 2 LINE TIGHTNESS TESTING	☐ 3 INTERSTITIAL MONITORING	☐ 99 OTHER			

V. TANK LEAK DETECTION

☒ 1 VISUAL CHECK ☐ 2 INVENTORY RECONCILIATION ☐ 3 VADOZE MONITORING ☐ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING
☒ 6 TANK TESTING ☐ 7 INTERSTITIAL MONITORING ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) MARCH 1 1993	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING 0 GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL ? YES ☐ NO ☒

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) TONY TULLEDGE	DATE 3/1/93

LOCAL AGENCY USE ONLY
THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
	15	000	000015	000003

PERMIT NUMBER 600015	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE

FORM B (7-91) THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FOR0034B-R5

INSTRUCTIONS FOR COMPLETING FORM "B"

GENERAL INSTRUCTIONS:

1. One FORM "B" shall be completed for each tank for all **NEW PERMITS, PERMIT CHANGES, REMOVALS** and/or any other **TANK INFORMATION CHANGE.**
2. This form should be completed by either the **PERMIT APPLICANT** or the **LOCAL AGENCY UNDERGROUND TANK INSPECTOR.**
3. Please type or print clearly all requested information.
4. Use a hard point writing instrument, you are making 3 copies.

TOP OF FORM: "MARK ONLY ONE ITEM"

1. Mark an (X) in the box next to the item that best describes the reason the form is being completed.
2. Indicate the DBA or Facility name where the tank is installed.

I. TANK DESCRIPTION - COMPLETE ALL ITEMS - IF UNKNOWN - SO SPECIFY

A. Indicate owners tank ID # - If there is a tank number that is used by the owner to identify the tank (ex. AB70789).
B. Indicate the name of the company that manufactured the tank (ex. ACME TANK MFG.).
C. Indicate the year the tank was installed (ex. 1987).
D. Indicate the tank capacity in gallons (ex. 25,000 or 10,000 etc.).

II. TANK CONTENTS

A. 1. If MOTOR VEHICLE FUEL, check box 1 and complete items B & C.
   2. If not MOTOR VEHICLE FUEL, check the appropriate box in section A and complete items B & D.
B. Check the appropriate box.
C. Check the type of MOTOR VEHICLE FUEL (if box 1 is checked in A).
D. Print the chemical name of the hazardous substance stored in the tank and the C.A.S.#. (Chemical Abstract Service number), if box 1 is NOT checked in A.

III. TANK CONSTRUCTION - MARK ONE ITEM ONLY IN BOX A, B, C & D

1. Check only one item in TYPE OF SYSTEM, TANK MATERIAL, INTERIOR LINING and CORROSION PROTECTION.
2. If OTHER, print in the space provided.

IV. PIPING INFORMATION

1. Circle **A** if above ground; circle **U** if underground; and circle both if applicable.
2. If UNKNOWN, circle; or if OTHER, print in space provided.
3. Indicate the LEAK DETECTION system(s) used to comply with the monitoring requirement for the piping.

V. TANK LEAK DETECTION

1. Indicate the LEAK DETECTION system(s) used to comply with the monitoring requirements for the tank.

VI. INFORMATION ON TANK PERMANENTLY CLOSED IN PLACE

1. ESTIMATED DATE LAST USED - MONTH/YEAR (January, 1988 or 01/88).
2. ESTIMATED QUANTITY of HAZARDOUS SUBSTANCE remaining in the tank (in Gallons).
3. WAS TANK FILLED WITH INERT MATERIAL? Check 'Yes' or 'NO'.

APPLICANT MUST SIGN AND DATE THE FORM AS INDICATED.

INSTRUCTION FOR THE LOCAL AGENCIES

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STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM: [ ] 1 NEW PERMIT [ ] 2 INTERIM PERMIT [ ] 3 RENEWAL PERMIT [ ] 4 AMENDED PERMIT [ ] 5 CHANGE OF INFORMATION [ ] 6 TEMPORARY TANK CLOSURE [XX] 7 PERMANENTLY CLOSED ON SITE [ ] 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: CHEVRON # 8616

I. TANK DESCRIPTION

COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. #	B. MANUFACTURED BY: UNKNOWN
C. DATE INSTALLED (MO/DAY/YEAR) 1970	D. TANK CAPACITY IN GALLONS: 1,000

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A. [ ] 1 MOTOR VEHICLE FUEL [X] 4 OIL [ ] 2 PETROLEUM [ ] 80 EMPTY [ ] 3 CHEMICAL PRODUCT [ ] 95 UNKNOWN

B. [ ] 1 PRODUCT [X] 2 WASTE

C. [ ] 1a REGULAR UNLEADED [ ] 1b PREMIUM UNLEADED [ ] 2 LEADED [ ] 3 DIESEL [ ] 4 GASAHOL [ ] 5 JET FUEL [ ] 6 AVIATION GAS [ ] 7 METHANOL [ ] 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED C. A. S. # :

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM: [ ] 1 DOUBLE WALL [X] 2 SINGLE WALL [ ] 3 SINGLE WALL WITH EXTERIOR LINER [ ] 4 SECONDARY CONTAINMENT (VAULTED TANK) [ ] 95 UNKNOWN [ ] 99 OTHER

B. TANK MATERIAL (Primary Tank): [X] 1 BARE STEEL [ ] 2 STAINLESS STEEL [ ] 3 FIBERGLASS [ ] 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC [ ] 5 CONCRETE [ ] 6 POLYVINYL CHLORIDE [ ] 7 ALUMINUM [ ] 8 100% METHANOL COMPATIBLE W/FRP [ ] 9 BRONZE [ ] 10 GALVANIZED STEEL [ ] 95 UNKNOWN [ ] 99 OTHER

C. INTERIOR LINING: [ ] 1 RUBBER LINED [ ] 2 ALKYD LINING [ ] 3 EPOXY LINING [ ] 4 PHENOLIC LINING [ ] 5 GLASS LINING [X] 6 UNLINED [ ] 95 UNKNOWN [ ] 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL ? YES ___ NO ___

D. CORROSION PROTECTION: [ ] 1 POLYETHYLENE WRAP [ ] 2 COATING [ ] 3 VINYL WRAP [ ] 4 FIBERGLASS REINFORCED PLASTIC [ ] 5 CATHODIC PROTECTION [ ] 91 NONE [X] 95 UNKNOWN [ ] 99 OTHER

E. SPILL AND OVERFILL: SPILL CONTAINMENT INSTALLED (YEAR) 1986 OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) 1990

IV. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U	1 SUCTION	A U	2 PRESSURE	A U	3 GRAVITY	A U	99 OTHER	
B. CONSTRUCTION	A U	1 SINGLE WALL	A U	2 DOUBLE WALL	A U	3 LINED TRENCH	A U	95 UNKNOWN	A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION	A U	1 BARE STEEL	A U	2 STAINLESS STEEL	A U	3 POLYVINYL CHLORIDE (PVC)	A U	4 FIBERGLASS PIPE	
	A U	5 ALUMINUM	A U	6 CONCRETE	A U	7 STEEL W/ COATING	A U	8 100% METHANOL COMPATIBLE W/FRP	
	A U	9 GALVANIZED STEEL	A U	10 CATHODIC PROTECTION	A U	95 UNKNOWN	A U	99 OTHER	

D. LEAK DETECTION: [X] 1 AUTOMATIC LINE LEAK DETECTOR [X] 2 LINE TIGHTNESS TESTING [ ] 3 INTERSTITIAL MONITORING [ ] 99 OTHER

V. TANK LEAK DETECTION

[X] 1 VISUAL CHECK [ ] 2 INVENTORY RECONCILIATION [ ] 3 VADOZE MONITORING [ ] 4 AUTOMATIC TANK GAUGING [ ] 5 GROUND WATER MONITORING [X] 6 TANK TESTING [ ] 7 INTERSTITIAL MONITORING [ ] 91 NONE [ ] 95 UNKNOWN [ ] 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING	3. WAS TANK FILLED WITH INERT MATERIAL ?
MARCH 1, 1993	0 GALLONS	YES [ ] NO [X]

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)	DATE
TOMMY TULLEDGE	3/3/93

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
	15	000	600015	000004

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE
600015		

FORM B (7-91) THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FOR0034B-R5

INSTRUCTIONS FOR COMPLETING FORM "B"

GENERAL INSTRUCTIONS:

1. One FORM "B" shall be completed for each tank for all **NEW PERMITS, PERMIT CHANGES, REMOVALS** and/or any other **TANK INFORMATION CHANGE.**
2. This form should be completed by either the **PERMIT APPLICANT** or the **LOCAL AGENCY UNDERGROUND TANK INSPECTOR.**
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I. TANK DESCRIPTION - COMPLETE ALL ITEMS - IF UNKNOWN - SO SPECIFY

A. Indicate owners tank ID # - If there is a tank number that is used by the owner to identify the tank (ex. AB70789).
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C. Indicate the year the tank was installed (ex. 1987).
D. Indicate the tank capacity in gallons (ex. 25,000 or 10,000 etc.).

II. TANK CONTENTS

A. 1. If MOTOR VEHICLE FUEL, check box 1 and complete items B & C.
   2. If not MOTOR VEHICLE FUEL, check the appropriate box in section A and complete items B & D.
B. Check the appropriate box.
C. Check the type of MOTOR VEHICLE FUEL (if box 1 is checked in A).
D. Print the chemical name of the hazardous substance stored in the tank and the C.A.S.#. (Chemical Abstract Service number), if box 1 is NOT checked in A.

III. TANK CONSTRUCTION - MARK ONE ITEM ONLY IN BOX A, B, C & D

1. Check only one item in TYPE OF SYSTEM, TANK MATERIAL, INTERIOR LINING and CORROSION PROTECTION.
2. If OTHER, print in the space provided.

IV. PIPING INFORMATION

1. Circle **A** if above ground; circle **U** if underground; and circle both if applicable.
2. If UNKNOWN, circle; or if OTHER, print in space provided.
3. Indicate the LEAK DETECTION system(s) used to comply with the monitoring requirement for the piping.

V. TANK LEAK DETECTION

1. Indicate the LEAK DETECTION system(s) used to comply with the monitoring requirements for the tank.

VI. INFORMATION ON TANK PERMANENTLY CLOSED IN PLACE

1. ESTIMATED DATE LAST USED - MONTH/YEAR (January, 1988 or 01/88).
2. ESTIMATED QUANTITY of HAZARDOUS SUBSTANCE remaining in the tank (in Gallons).
3. WAS TANK FILLED WITH INERT MATERIAL? Check 'Yes' or 'NO'.

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STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
C/O S.W.E.E.P.S.
DATA PROCESSING CENTER
P.O. BOX 527
PARAMOUNT, CA 90723

KERN COUNTY RESOURCE MANAGEMENT AGENCY
ENVIRONMENTAL HEALTH SERVICES DEPARTMENT
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301
(805)861-3636

(FILL OUT ONE APPLICATION PER FACILITY)

INTERNAL USE ONLY:	
APPLICATION DATE:	PTA:
# OF TANKS TO ABANDON:	
PIPING FT. TO ABANDON:	PTO:

APPLICATION FOR PERMIT FOR PERMANENT CLOSURE/ABANDONMENT OF UNDERGROUND HAZARDOUS SUBSTANCE STORAGE FACILITY

THIS APPLICATION IS FOR [X] REMOVAL, OR [ ] ABANDONMENT IN PLACE

A: FACILITY INFORMATION

PROJECT CONTACT: TOMMY TULLEDGE	PHONE #(805) 481-2552	T/R/SEC (RURAL LOCATIONS):
FACILITY NAME: CHEVRON # 9-8616	ADDRESS: 8977 GRAPEVINE ROAD - EAST	NEAREST CROSS STREET: COUNTY ROAD # 2337
PHONE #: N/A	CITY: LEBEC ZIP:	
OWNER: CHEVRON U.S.A. PRODUCTS CO.	ADDRESS: P.O. BOX 2833	STATE: CALIF.
PHONE #: (310) 694 - 7299	CITY: LA HABRA	ZIP 90632-2833

B: CONTRACTOR INFORMATION

TANK REMOVAL CONTRACTOR: B & T SERVICE STATION CONTRACTORS PHONE #: (805) 481 - 2552	ADDRESS: P.O. BOX 220 CITY: ARROYO GRANDE, CALIF 93421	STATE: CALIF ZIP: 93421
PROPOSED START DATE: MARCH 15	CALIFORNIA LICENSE TYPE & #: 623923 A,B,C:61/	WORKER'S COMPENSATION #: 1068113
CONTRACTOR RETRIEVING SAMPLES: CHEVRON - BECHTEL ALLIANCE PHONE #:	ADDRESS: 12440 EAST IMPERIAL HIGHWAY CITY: NORWALK	STATE: CALIF ZIP: 90650-313
WORKER'S COMPENSATION #:	INSURER: INDUSTRIAL INDEMNITY	
LABORATORY THAT WILL ANALYZE SAMPLES: GEOTEST - LAB # 1225 CAL. STATE NUMBER PHONE #: (800) 624 - 5744	ADDRESS: P.O. Box 90911 CITY: LONG BEACH	STATE: CALIF ZIP 90809-0911

C: CHEMICAL INFORMATION

CHEMICAL COMPOSTION OF MATERIALS STORED:

TANK #	VOLUME	CHEMICAL STORED	DATES STORED	CHEMICAL FORMERLY STORED
1	12,000	SUPREME UNLEADED	1970 TO 1993	
2	10,000	REGULAR UNLEADED	1970 TO 1993	
3	6,000	MID GRADE UNLEADED	1970 TO 1993	REGULAR LEADED
4	1,000	WASTE OIL	1970 TO 1993	

D: ENVIRONMENTAL INFORMATION

WATER TO FACILITY PROVIDED BY: COUNTY OF KERN	IS GROUNDWATER WITHIN 50 FEET? Y OR N
NEAREST WATER WELL-GIVE DISTANCE IF WITHIN 500 FEET: UNKNOWN	SOIL TYPE AT FACILITY: UNKNOWN
BASIS FOR SOIL TYPE AND GROUNDWATER DEPTH DETERMINATION:	
TOTAL NUMBER OF SAMPLES TO BE ANALYZED: APPROX 33	SAMPLES TO BE ANALYZED FOR: BTEX/TPH, T.O.H., LEAD/OIL/ GREASE

E: DISPOSAL INFORMATION

DECONTAMINATION PROCEDURE: TRIPLE RINSE OF TANKS, DRY ICE BEFORE REMOVAL	
DECONTAMINATION CONTRACTOR: SPEED'S OIL TOOL SERVICE PHONE #: (805) 925 - 4510	DISPOSAL LOCATION FOR RINSATE: GIBSON ENVIRONMENTAL
DISPOSAL METHOD FOR TANK(S): RECYCLED AS SCRAP METAL	DISPOSAL LOCATION FOR TANK(S): STANDARD INDUSTRIES-VENTURA
DISPOSAL METHOD FOR PIPING: RECYCLED AS SCRAP METAL	DISPOSAL LOCATION FOR PIPING: STANDARD INDUSTRIES-VENTURA

****PLEASE COMPLETE THE REVERSE SIDE OF THIS APPLICATION BEFORE SUBMITTING FOR REVIEW****

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY AND TO THE BEST OF MY KNOWLEDGE IS TRUE AND CORRECT.

SIGNATURE: _____ TITLE PROJECT COORDINATOR DATE FEB 22, 1

KERN COUNTY RESOURCE MANAGEMENT AGENCY
ENVIRONMENTAL HEALTH SERVICES DEPARTMENT
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301
(805)861-3636

(FILL OUT ONE APPLICATION PER FACILITY)

INTERNAL USE ONLY:	
APPLICATION DATE:	PTA:
# OF TANKS TO ABANDON:	
PIPING FT. TO ABANDON:	PTO:

APPLICATION FOR PERMIT FOR PERMANENT CLOSURE/ABANDONMENT OF UNDERGROUND HAZARDOUS SUBSTANCE STORAGE FACILITY

THIS APPLICATION IS FOR [X] REMOVAL, OR [ ] ABANDONMENT IN PLACE

A: FACILITY INFORMATION

PROJECT CONTACT: TOMMY TULLEDGE	PHONE #: (805) 481-2552	T/R/SEC (RURAL LOCATIONS):
FACILITY NAME: CHEVRON # 9-8616	ADDRESS: 8977 GRAPEVINE ROAD - EAST	NEAREST CROSS STREET: COUNTY ROAD # 2337
PHONE #: N/A	CITY: LEBEC ZIP:	
OWNER: CHEVRON U.S.A. PRODUCTS CO.	ADDRESS: P.O. BOX 2833	STATE: CALIF.
PHONE #: (310) 694 - 7299	CITY: LA HABRA	ZIP: 90632-2833

B: CONTRACTOR INFORMATION

TANK REMOVAL CONTRACTOR: B & T SERVICE STATION CONTRACTORS PHONE #: (805) 481 - 2552	ADDRESS: P.O. BOX 220 CITY: ARROYO GRANDE, CALIF 93421	STATE: CALIF ZIP: 93421
PROPOSED START DATE: MARCH 15	CALIFORNIA LICENSE TYPE & #: 623923 A,B,C:61/	WORKER'S COMPENSATION #: 1068113
CONTRACTOR RETRIEVING SAMPLES: CHEVRON - BECHTEL ALLIANCE PHONE #:	ADDRESS: 12440 EAST IMPERIAL HIGHWAY CITY: NORWALK	STATE: CALIF ZIP: 90650-313
WORKER'S COMPENSATION #:	INSURER: INDUSTRIAL INDEMNITY	
LABORATORY THAT WILL ANALYZE SAMPLES: PHONE #:	ADDRESS: CITY:	STATE: ZIP:

C: CHEMICAL INFORMATION

CHEMICAL COMPOSTION OF MATERIALS STORED:

TANK #	VOLUME	CHEMICAL STORED	DATES STORED	CHEMICAL FORMERLY STORED
1	12,000	SUPREME UNLEADED	1970 TO 1993	
2	10,000	REGULAR UNLEADED	1970 TO 1993	
3	6,000	MID GRADE UNLEADED	1970 TO 1993	REGULAR LEADED
4	1,000	WASTE OIL	1970 TO 1993	

D: ENVIRONMENTAL INFORMATION

WATER TO FACILITY PROVIDED BY: COUNTY OF KERN	IS GROUNDWATER WITHIN 50 FEET? Y OR N
NEAREST WATER WELL-GIVE DISTANCE IF WITHIN 500 FEET: UNKNOWN	SOIL TYPE AT FACILITY: UNKNOWN
BASIS FOR SOIL TYPE AND GROUNDWATER DEPTH DETERMINATION:	
TOTAL NUMBER OF SAMPLES TO BE ANALYZED: APPROX 33	SAMPLES TO BE ANALYZED FOR: BTEX/TPH, T.O.H., LEAD/OIL/ GREASE

E: DISPOSAL INFORMATION

DECONTAMINATION PROCEDURE: TRIPLE RINSE OF TANKS, DRY ICE BEFORE REMOVAL	
DECONTAMINATION CONTRACTOR: SPEED'S OIL TOOL SERVICE PHONE #: (805) 925 - 4510	DISPOSAL LOCATION FOR RINSATE: GIBSON ENVIRONMENTAL
DISPOSAL METHOD FOR TANK(S): RECYCLED AS SCRAP METAL	DISPOSAL LOCATION FOR TANK(S): STANDARD INDUSTRIES - VENTU
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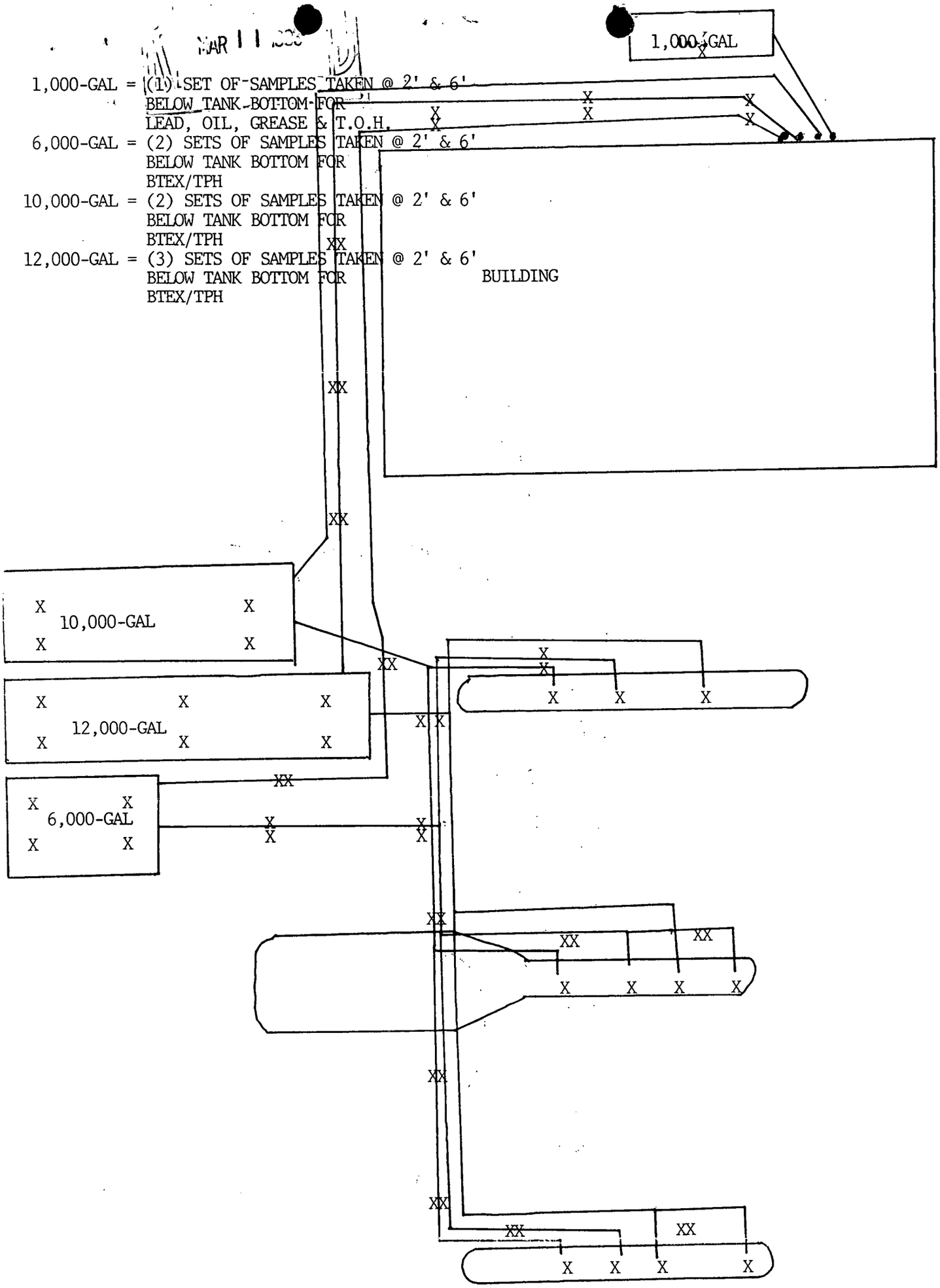
THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY AND TO THE BEST OF MY KNOWLEDGE IS TRUE AND CORRECT.

SIGNATURE: Tommy Tulledge TITLE PROJECT COORDINATOR DATE DEC 9, 1993


1,000-GAL = (1) SET OF SAMPLES TAKEN @ 2' & 6' BELOW TANK BOTTOM FOR LEAD, OIL, GREASE & T.O.H.
6,000-GAL = (2) SETS OF SAMPLES TAKEN @ 2' & 6' BELOW TANK BOTTOM FOR BTEX/TPH
10,000-GAL = (2) SETS OF SAMPLES TAKEN @ 2' & 6' BELOW TANK BOTTOM FOR BTEX/TPH
12,000-GAL = (3) SETS OF SAMPLES TAKEN @ 2' & 6' BELOW TANK BOTTOM FOR BTEX/TPH
1,000-GAL
BUILDING
10,000-GAL
12,000-GAL
6,000-GAL

KERN COUNTY DEPARTMENT OF PLANNING AND DEVELOPMENT SERVICES BUILDING INSPECTION DIVISION TED JAMES, DIRECTOR	PERMIT APPLICATION	2700 M STREET BAKERSFIELD, CA. 93301 PHONE (805) 861-2615

1 Job Address	8977 GRAPEVINE RD EAST	Insp. Area	ZM	Map	Lot
Assessor's Parcel No.	241-280-0004-00	62	219-20		Block

2 Project Description Or Comments: DEMO 4 FUEL SYSTEM TANKS & DISP — Permit # 37307

3 Permit Class (New/Add or Alter/Conversion/Remodel): NEW CONSTRUCTION

4 Property Owner(s) 1. TEJON RANCH CO — 2. CHEVRON USA INC-PROP TAX
Mailing Address: P O BOX 7611 — City/State: SAN FRANCIS CA
Phone Number: 1-310-694-7299 — Zip Code: 94120-0000

5 Architect/Engineer — License#
Mail Address — Phone#

6 Contractor's Name: B & T SERV STAT CONTR — Hiring Licensed Contractor's (Y/N)
Mailing Address: PO BOX 220 — City/State: ARROYO GRANDE 93421-0000
Phone Number: 1-805-481-2552 — Cont. St. Lic.#: 623923

Project Manager: TOMMY TULLEDGE
7 Phone Number: 1-805-481-2552

ZONE CLASSIFICATION: A
APPROVED PER PLAN AS FOLLOWS: Demo 4 underground fuel tanks & dispenser islands

8 C.S.A. # — 9 School Dist. # 84

10 Comments: 0000000

11 Census Code # 649 — 12 Census Tract # 60.01

Cen # Sub Code	Census Number Description	A/D/Y	A/D/Y PER BLDG.	BVD CODE	UNITS Per Bldg	BLDG.
D	DEMOLITIONS, ALL OTHER BLDGS	Y			4	4

By — Date: 3/1/93

Ref. Case #

Total Area — Total Value/Yards

THE FOLLOWING PRELIMINARY FEES ARE SUBJECT TO CHANGE BEFORE PERMIT ISSUANCE:

	FEE	PAID
BUILDING PERMIT FEES	44.00	Y
APPLICATION ISSUANCE FEE	22.00	Y

*PARTIAL PAYMENT

	FEE	PAID
TOTAL FEES	66.00	
AMOUNT PAID	66.00	
BALANCE	.00	*

Application Number: 37307
Application Date: 3/04/93
Issuance Date: 3/04/93 JR
Activity Code: P
Activity Date: 3/04/93 WS-ID

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C).

Lender's Name

Lender's Address

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under the provisions of Chapter 9, commencing with Section 7000 of Division 3 of the Business and Professions Code, and that my license is in full force and effect.

License No. [illegible] Lic. Class A-C61/D49

X Contractor [illegible] Exp. Date 7-1-93

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9, commencing with Section 7000 of Division 3 of the Bus ness and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)

☐ I, as owner of the property, or my employees with wages as their sole compensation will do the work, and the structure is not intended or offered for sale. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a person with a contractors license pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____ B & P.C. for this reason:

Owner _____ Date _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab O).

Policy No. [illegible] Company [illegible]

☐ Certified copy is hereby furnished

☑ Certified copy is filed with the county Building Inspection Division

X Applicant [signature] Date 3-1-93

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section needs to be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

Applicant _____ Date _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes.

X _____ Signature of Applicant of Agent — Date 3-1-93

NOTORIZED LETTER ON FILE ☐ Yes ☐ No Date _____

OCC.	TYPE CONST.	
STRUCT.	PLMBG.	MECH.
ELECT.	GRADING	ENERGY
Released By	Release Date 4/1/93	

KERN COUNTY RESOURCE MANAGEMENT AGENCY
ENVIRONMENTAL HEALTH SERVICES DEPARTMENT
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301
(805)861-3636

(FILL OUT ONE APPLICATION PER FACILITY)

INTERNAL USE ONLY:	
APPLICATION DATE:	PTA:
# OF TANKS TO ABANDON:	
PIPING FT. TO ABANDON:	PTO:

APPLICATION FOR PERMIT FOR PERMANENT CLOSURE/ABANDONMENT OF UNDERGROUND HAZARDOUS SUBSTANCE STORAGE FACILITY

THIS APPLICATION IS FOR [X] REMOVAL, OR [ ] ABANDONMENT IN PLACE

A: FACILITY INFORMATION

6

PROJECT CONTACT: TOMMY TULLEDGE	PHONE #: (805) 481-2552	I/R/SEC (RURAL LOCATIONS):	
FACILITY NAME: CHEVRON # 9-8616	ADDRESS: 8977 GRAPEVINE ROAD - EAST	NEAREST CROSS STREET: COUNTY ROAD # 2337	
PHONE #: N/A	CITY: LEBEC	ZIP: 93243	
OWNER: CHEVRON U.S.A. PRODUCTS CO.	ADDRESS: P.O. BOX 2833	STATE: CALIF.	
PHONE #: (310) 694 - 7299	CITY: LA HABRA	ZIP: 90632-2833	

B: CONTRACTOR INFORMATION

TANK REMOVAL CONTRACTOR: B & T SERVICE STATION CONTRACTORS PHONE #: (805) 481 - 2552	ADDRESS: P.O. BOX 220 CITY: ARROYO GRANDE, CALIF 93421	STATE: CALIF ZIP: 93421	
PROPOSED START DATE: MARCH 15	CALIFORNIA LICENSE TYPE & #: 623923 A,B,C:61/	WORKER'S COMPENSATION #: 1068113	
CONTRACTOR RETRIEVING SAMPLES: CHEVRON - BECHTEL ALLIANCE PHONE #:	ADDRESS: 12440 EAST IMPERIAL HIGHWAY CITY: NORWALK	STATE: CALIF ZIP: 90650-313	
WORKER'S COMPENSATION #:	INSURER: INDUSTRIAL INDEMNITY		
LABORATORY THAT WILL ANALYZE SAMPLES: GEOTEST - LAB # 1225 CAL. STATE NUMBER PHONE #: (800) 624 - 5744	ADDRESS: P.O. Box 90911 CITY: LONG BEACH	STATE: CALIF ZIP: 90809-0911	

C: CHEMICAL INFORMATION

CHEMICAL COMPOSTION OF MATERIALS STORED:

TANK #	VOLUME	CHEMICAL STORED	DATES STORED	CHEMICAL FORMERLY STORED
1	12,000	SUPREME UNLEADED	1970 TO 1993	
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WATER TO FACILITY PROVIDED BY: COUNTY OF KERN	IS GROUNDWATER WITHIN 50 FEET? Y OR N
NEAREST WATER WELL-GIVE DISTANCE IF WITHIN 500 FEET: UNKNOWN	SOIL TYPE AT FACILITY: UNKNOWN
BASIS FOR SOIL TYPE AND GROUNDWATER DEPTH DETERMINATION:	
TOTAL NUMBER OF SAMPLES TO BE ANALYZED: APPROX 33	SAMPLES TO BE ANALYZED FOR: BTEX/TPH, T.O.H., LEAD/OIL/ GREASE

E: DISPOSAL INFORMATION

DECONTAMINATION PROCEDURE: TRIPLE RINSE OF TANKS, DRY ICE BEFORE REMOVAL	
DECONTAMINATION CONTRACTOR: SPEED'S OIL TOOL SERVICE PHONE #: (805) 925 - 4510	DISPOSAL LOCATION FOR RINSATE: GIBSON ENVIRONMENTAL
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SIGNATURE: Tommy Tulledge TITLE PROJECT COORDINATOR DATE FEB 22, 1

KERN COUNTY RESOURCE MANAGEMENT ACENCY
ENVIRONMENTAL HEALTH SERVICES DEPARTMENT
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301
(805)861-3636

(FILL OUT ONE APPLICATION PER FACILITY)

INTERNAL USE ONLY:	
APPLICATION DATE: 3-4-93	PTA: A1842-60
# OF TANKS TO ABANDON: 4	
PIPING FT. TO ABANDON: ____	PTO: 600015

APPLICATION FOR PERMIT FOR PERMANENT CLOSURE/ABANDONMENT OF UNDERGROUND HAZARDOUS SUBSTANCE STORAGE FACILITY

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PHONE #: N/A	CITY: LEBEC ZIP: 93243	
OWNER: CHEVRON U.S.A. PRODUCTS CO.	ADDRESS: P.O. BOX 2833	STATE: CALIF.
PHONE #: (310) 694 - 7299	CITY: LA HABRA	ZIP:90632-2833

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PROPOSED START DATE: MARCH 15	CALIFORNIA LICENSE TYPE & #: 623923 A,B,C:61/	WORKER'S COMPENSATION #: 1068113
CONTRACTOR RETRIEVING SAMPLES: CHEVRON - BECHTEL ALLIANCE PHONE #: (310) 807 - 2405	ADDRESS: 12440 EAST IMPERIAL HIGHWAY CITY: NORWALK	STATE: CALIF ZIP:90650-3134
WORKER'S COMPENSATION #:	INSURER: INDUSTRIAL INDEMNITY	
LABORATORY THAT WILL ANALYZE SAMPLES: BECHTEL PHONE #: (310) 807 - 2405	ADDRESS: 12440 E. IMPERIAL HIGHWAY CITY: NORWALK	STATE: CALIF ZIP:90650-3134

C: CHEMICAL INFORMATION

CHEMICAL COMPOSTION OF MATERIALS STORED:

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DISPOSAL METHOD FOR PIPING: RECYCLED AS SCRAP METAL	DISPOSAL LOCATION FOR PIPING: STANDARD INDUSTRIES

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SIGNATURE: Tommy Tulledge TOMMY TOLLEDGE TITLE PROJECT COORDINATOR DATE FEB 22, 1993

PROVIDE DRAWING OF PHYSICAL LAYOUT OF FACILITY USING SPACE PROVIDED BELOW.

ALL OF THE FOLLOWING INFORMATION MUST BE INCLUDED IN ORDER FOR THE APPLICATION TO BE PROCESSED:

_____ TANK(S), PIPING & DISPENSER(S), INCLUDING LENGTHS & DIMENSIONS.

_____ PROPOSED SAMPLING LOCATIONS DESIGNATED BY THIS SYMBOL "(X)"

_____ NEAREST STREET OR INTERSECTION

_____ ANY WATER WELLS OF SURFACE WATERS WITHIN 100' RADIUS OF FACILITY

_____ NORTH ARROW

(805) 995-2000

ACTION HOME INSPECTION / SERVICE

540 Atascadero Road • Morro Bay, CA 9344

ASBESTOS REPORT

Property Location	8977 Grapevine Road Lebec, CA
Time of Inspection	February 26, 1993 @ 9:30 am
CLIENT	B & T Service Station Contractors c/o Tommy Tulledge P.O. Box 220 Arroyo Grande, CA 93421 Phone (805) 481-2552 (wk) Phone (805) 481-0412 (FAX)

2005-058-93-OUT(asb)

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Certified Building Inspector & Licensed General Contractor
Member CALIFORNIA REAL ESTATE INSPECTION ASSOCIATION
License #394545

ACTION HOME INSPECTION SERVICE

GENERAL INFORMATION ABOUT ASBESTOS

Asbestos is a naturally occurring mineral fiber which has served many useful functions as a component of numerous building materials. Its primary benefits have been as a strengthening agent, as an insulator, and as a fire inhibitor. Since the early 1970's, when asbestos was found to be a health hazard, it has been gradually eliminated from most construction materials.

Specifically, asbestos has been determined hazardous only when fibers are released into the air. When inhaled, these fibers can become lodged in lung tissues and can eventually result in cancer or asbestosis. But it is important that people not become unduly alarmed where asbestos is present: Not all forms of asbestos are necessarily hazardous. According to the EPA and the U.S. Consumer Products Safety Commission, "A health risk exists only when asbestos fibers are released from the material or product." and "If the material is in good condition, it is best to leave it alone."

The most common form of exposed asbestos in modern buildings is textured ceiling material, installed primarily during the 1960's and 70's. Sale of this material was banned in 1978, but products that had already been sold by that time could legally be installed thereafter. Other common forms of asbestos are insulation for heating ducts (a material that looks like gray cardboard), vinyl floor coverings, drywall taping compounds, and exhaust vents for gas appliances.

If asbestos materials are found to be in damaged condition, professional removal is advised. If remodeling is planned for a building, and the work involves disturbing asbestos-containing materials, that is also a time to have the material addressed by a licensed professional. Work of this kind should be done exclusively by a licensed asbestos abatement contractor. For further specific information regarding asbestos, check with the U.S. Consumer Products Safety Commission or the Environmental Protection Agency for their current advice.

1990-043-93-(asb)

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ACTION HOME INSPECTION SERVICE

NARRATIVE ASBESTOS REPORT

February 26, 1993

Re: 8977 Grapevine Road, Lebec, CA

On February 26, 1993 the subject property was surveyed for the presence of possible asbestos containing material. The results of that inspection are as follows:

FINDING:

All exterior and interior building surfaces appear to be constructed of steel, brick, and glass, with ceramic tiles in the bathrooms only. The water-shed surface on the roof consists entirely of concrete tiles, and no insulation was observed on the warm air ducts in the forced-air heating system. The above are not regarded as potential asbestos-containing material. Therefore, no samples were taken for testing.

RECOMMENDATION:

No asbestos removal or abatement work is recommended.

If further information is required regarding the information in this report, please contact our office.

Barry Stone, AHERA #91-00001821

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AMERICAN PERSONNEL SERVICES INC.
9382 TELSTAR AVENUE
EL MONTE, CA 91731

$00015

UNDERGROUND STORAGE TANK QUARTERLY INVENTORY RECONCILIATION REPORT

ACCOUNT NO: 1829/98616

DATE: 1-1-93

FACILITY NAME AND LOCATION:

CHEVRON U.S.A., INC.

STAR ROUTE 1, BOX 25

LEBEC, CA 93243

MAILING ADDRESS:

AMERICAN PERSONNEL SERVICES INC.

9382 TELSTAR AVENUE

EL MONTE, CA 91731

Title 23, California Administrative Code (CAC), Section 2646 (e) requires the owner or operator of an underground storage tank utilizing inventory reconciliation as part of the required monitoring and leak detection system to submit on a quarterly basis a statement to the local agency under penalty of perjury, that either: the inventory reconciliation data is within allowable variations or a listing of the dates and variations that exceed the allowable variations. This form or a reasonable facsimile, when completed, will satisfy the quarterly reporting requirements. Please return a copy of this form to the Underground Storage Tank Program within thirty (30) days of the end of each calendar quarter, (March 31, June 30, September 30, and December 31).

For the calendar quarter ending 12-31-92, at the facility indicated above, records for all underground tanks monitored by inventory reconciliation indicate that:

a. _____ All inventory variations were within the allowable limits of Section 2644, CAC.

b. X Inventory variations in excess of the allowable limits of Section 2644, CAC have occurred on the following days, in the listed amounts, for the following underground storage tanks (use back side of report if additional space is needed).

	Tank I.D.	Tank Size (Gallons)							
Example	#000	10,000 Unleaded	Dates	1/30/90	2/9/90	2/28/90	3/7/90		
			Vari-ation	+125	-130	+150	+175		
	#001		Dates						
			Vari-ation						
	#002		Dates						
			Vari-ation						
	#003		Dates						
			Vari-ation						

I certify, under penalty of perjury, that all variations (if any) exceeding allowable limits for the quarter ending 12-31-92, are indicated above and were investigated in accordance with the requirements of Title 23, CAC, Section 2644.

Tank Facility Owner/Operator

Check One (1) Line:

San Bernardino County	_____
Los Angeles County	_____
San Diego County	_____
Ventura County	_____
Kern County	X

QTR. 4th

VARIANCE LOG

STATION 1829/98616
LOCATION Corapeake

DATE	REGULAR	SUPREME	UNLEADED	DIESEL FUEL
10-3		+190	-139	
10-6		+116	+82	
10-12		+115		
10-13	+126		+150	
10-14			-203	
10-15			+186	
10-16			-83	
10-18			-134	
10-19		+120	+132	
10-21		+107	+149	
10-22			+75	
10-23		+140		
10-24		-205		
10-25		+80		
10-26		-96	-99	
10-27	-94	+96	-90	
10-28	+168	-92	+148	
10-29		+75		
10-30			+91	
10-31			-81	
11-1		-97	-261	
11-2	-122		+264	
11-3			+102	
11-7		+138	-243	
11-8			+297	
11-9	+108			
11-15			+75	
11-16	-99	-167	-236	
11-17	+91	+140		
11-18			+87	
11-19		+84		
11-21			-81	
11-22		-185		
11-23		+109	+75	
11-24	+97	+205	-325	
11-25	-103			
11-26		-128	+87	
11-27	+105	+121	+116	
11-28		-75	-249	

QTR. 4th

VARIANCE LOG

STATION 1829/98616
LOCATION Carpentine

DATE	REGULAR	SUPREME	UNLEADED	DIESEL FUEL
11-29	-80		+146	
12-1		+77		
12-2		+127		
12-3		-140		
12-5		+111		
12-7		+181		
12-8			-126	
12-10			-105	
12-12		+82	-76	
12-13		-145		
12-20		-120	+80	
12-21			-209	
12-23	+103		+142	
12-24		-105	-79	
12-25			-241	
12-26		+243	+103	
12-27		-238	-123	
12-28			+88	
12-29		-116	+97	
12-30		+91	-152	

KRAZAN & ASSOCIATES, INC.

Soils Engineering
Compaction Testing
Engineered Septic Systems
Construction Testing
Geotechnical Investigations

June 9, 1987 Proj. No. E87-045

Chevron USA, Inc.
2 Annabel Lane, Suite 200
San Ramon, Ca 94583

Attention: Mr. Jim Sampson

RE: Removal of Underground Storage Tank
Chevron Service Station No. 8616
Grape Vine & Interstate 5
Kern County, California

Gentlemen:

In accordance with your authorization, we have completed soil sampling and chemical analysis of a soil samples obtained during the removal of one steel underground waste oil storage tank at the above-referenced project site. The Kern County Environmental Health Department was notified of the tank removal. Mr. Byron Williamson of Krazan & Associates, Inc. observed the tank removal and took soil samples during the removal.

Sampling and analysis was conducted to meet the requirements of the California Administrative Code, Title 23, Chapter 3, Subchapter 16, Section 2673, Subsection 2672.D.

The purpose of this investigation was to determine if significant soil contamination had occurred beneath the storage tank site.

Upon removal of the storage tank, the tank was visually examined for leaks and the surrounding soil within the excavation was examined for discoloration.

Two sample were obtained from beneath the tank at an approximate depth of two and six feet below the tank bottom. The samples were obtained from near the south end of the storage tank were soil discoloration had been observed. The soil samples were analyzed for Benzene, Toluene, Xylenes, Total

Puregeable Hydrocarbons, Oil & Grease and Total Organic Halides (TOX). The results of this analysis is presented in the table as follows:

Concentration of Gasoline Constituents in Soil Samples
(Concentrations in ppm)

Sample Depth	Benzene	Toluene	Xylenes	Total Purgeable Hydrocarbons	Oil & Grease	TOX
2 feet	36.8	25.26	12.63	478.45	39.0	67
6 feet	N/D	N/D	N/D	N/D	42.0	31

N/D - Not Detected

Results of the chemical analysis shows attenuation of product within the soil sample.

In consideration of an approximate depth to ground water of 650 feet and the attenuation of contamination noted within the six foot sampling, it would not appear that there is a significant threat to ground water resources.

If there are any questions or if we can be of further assistance, please do not hesitate to contact our office.

Respectfully Submitted,
KRAZAN & ASSOCIATES, INC.

Jeffrey S. Palmer
Environmental Specialist

Michael Erwin
Principal Engineer
RCE #18625

ME/JSP/ko

2 c plus invoice herewith
1 c Kern County Environmental Health Department
Attn: Janis Lehman

AGRICULTURE
CHEMICAL ANALYSIS
PETROLEUM

BC LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.
4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

Purgeable Aromatics
(SOIL)

KRAZAN AND ASSOCIATES
3860 N. WINERY
FRESNO, CA. 93726
Attention:JEFF PALMER

Date of
Report: 05-Jun-87

Lab No.: 10683
Sample Desc.: PROJECT# E87-045
2' SOUTH END

DATE SAMPLE COLLECTED:	DATE SAMPLE RECEIVED @ LAB:	DATE ANALYSIS COMPLETED:
03-Jun-87	03-Jun-87	05-Jun-87

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Benzene	ug/g	36.80	0.10
Toluene	ug/g	25.26	0.10
Ethyl Benzene	ug/g	12.63	0.10
p-Xylene	ug/g	33.54	0.10
m-Xylene	ug/g	75.06	0.10
o-Xylene	ug/g	63.00	0.10
Isopropyl Benzene	ug/g	None Detected	0.10
Volatile Hydrocarbons	ug/g	231.76	5.00
Total Vol. Hydrocarbons	ug/g	478.05	0.10

EPA 5020/8020: Dry Matter Basis

Comments:		
	Oil & Grease, mg/kg	3,900.
	TOX, mg/kg	67.

VOLATILE HYDROCARBONS: Quantification of volatile hydrocarbons present (C1 to C20) utilizing a benzene factor. These volatile hydrocarbons are in addition to the constituents specifically defined on this report.

TOTAL VOLATILE HYDROCARBONS: The sum total of all [non-chlorinated] constituents on this report.

By J. J. Eglin
J. J. Eglin

Robert Plaisance
Analyst

AGRICULTURE
CHEMICAL ANALYSIS
PETROLEUM
BC LABORATORIES, INC.
J. J. EGLIN, REG. CHEM. ENGR.
4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

Purgeable Aromatics
(SOIL)

KRAZAN AND ASSOCIATES
3860 N. WINERY
FRESNO, CA. 93726
Attention:JEFF PALMER

Date of Report: 05-Jun-87

Lab No.: 10684
Sample Desc.: PROJECT# E87-045
6' SOUTH END

DATE SAMPLE COLLECTED:	DATE SAMPLE RECEIVED @ LAB:	DATE ANALYSIS COMPLETED:
03-Jun-87	03-Jun-87	05-Jun-87

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Benzene	ug/g	None Detected	0.10
Toluene	ug/g	None Detected	0.10
Ethyl Benzene	ug/g	None Detected	0.10
p-Xylene	ug/g	None Detected	0.10
m-Xylene	ug/g	None Detected	0.10
o-Xylene	ug/g	None Detected	0.10
Isopropyl Benzene	ug/g	None Detected	0.10
Volatile Hydrocarbons	ug/g	None Detected	5.00
Total Vol. Hydrocarbons	ug/g	None Detected	0.10

EPA 5020/8020: Dry Matter Basis

Comments:		
	Oil & Grease, mg/kg	42.
	TOX, mg/kg	31.

VOLATILE HYDROCARBONS: Quantification of volatile hydrocarbons present (C1 to C20) utilizing a benzene factor. These volatile hydrocarbons are in addition to the constituents specifically defined on this report.

TOTAL VOLATILE HYDROCARBONS: The sum total of all [non-chlorinated] constituents on this report.

By J. J. Eglin
J. J. Eglin

Robert Blevins
Analyst

RECEIVED
OCT 13 1987
KERN COUNTY HEALTH DEPT.

[redacted]

Standing Contract Invoice MS-279-INV

No. 508980

2 Doc. No. 4

Chevron U.S.A. Inc.

CHEVRON U.S.A. Suite 200

San Ramon, CA 94583

on No.
ulk Plant 8616

Contractor IT Corporation Telephone No. 372-9100

Address - File 6950 P.O. Box 60000
City - State San Francisco, CA 94160

Contractor Invoice No. 2335E032 | Billing Date 08/12/87

Contract & Release Number M66-CWC-058-6 Release #5944

Taxpayer ID No. (If Unincorporated)

ation (Street) grapevine and Interstate 5 (City) Kern County, CA (State) (Zip)

k
ormed Disposal of 10 cubic yards of contaminated soils

k Auth. By (pany Rep.) Mr. Roger Brown Chevron U.S.A./San Ramon Jim Sampson Date 07/28/87

No.	Quantity	Materials	Amount
01	10 CUY	Disposal of 10 Cubic Yards of Soil @ 168.00 per CUY.	$1,680.00
02	1	Santa Barbara County Disposal Tax	140.00
		Sales Tax	
		Total Materials Cost	$1,820.00

Labor

	Hours	Rate	Amount
		Sales Tax	
		Total Labor Cost	
		Total Cost	$1,820.00

. Office Only

CD	Vendor	L	Term/Due Date	Com	M	St.	Local Use Tax	Rate	Base Amt. for Use Tax (If Diff. Amt.)
1	5 11	12	18 22	35 36	49	52	57	58 60	61 70
1									

GL	Sub A	Sub B	FEAT	Detail	Unique Location	WIP L6	Sub-Ledg Levels 11 12 13 14 15	Quantity	L 9	Misc. 1	Misc. 2	Misc. 3	Misc. 4	Ratio
7 8	9	10 11	12	13 16	17 24	25 28	29 33	34 44	45	46 51	52 56	57 61	62 66	71 80

leted
D.A. Rogers Date 8-12-87
(Contractor Foreman)

ved for Payment Date

Acknowledgment of Completion Date

(Plant or Station Operator)

Chevron Accounting Center, Concord, CA

MS-279-INV (OS-1-85)
Printed in U.S.A.

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

JUL 6 '87 K.M.M.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAC000015172
Manifest Document No.:
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: [illegible] USA INC. [illegible] LANE SUITE 200 [illegible] CA 94583
4. Generator's Phone: (415) 838 5000

A. State Manifest Document Number: 84017017
B. State Generator's ID:

5. Transporter 1 Company Name: [illegible] MED Co.
6. US EPA ID Number: CAD042243493
C. State Transporter's ID:
D. Transporter's Phone:

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address: [illegible] CALIFORNIA [illegible] ID 93150
10. US EPA ID Number:
G. State Facility's ID: [illegible]
H. Facility's Phone: [illegible]

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. [illegible] CONTAMINATED SOIL [illegible] 1169	1	DT	[illegible]	[illegible]	611 NA
b.					
c.					
d.					

GENERATOR COPY
Return To Generator

J. Additional Descriptions for Materials Listed Above: SOIL & WASTE OIL

K. Handling Codes for Wastes Listed Above: 03

15. Special Handling Instructions and Additional Information: Gloves & Eggles

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name: [illegible] C [illegible]
Signature: [illegible]
Date: Month 06 Day 07 Year 87

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Chuck Mitchell
Signature: Chuck Mitchell
Date: Month 06 Day 07 Year 87

18. Transporter 2 Acknowledgement or Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

19. Discrepancy Indication Space.

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Casmalia Resources #92872-43560 [illegible]
Signature: Gennis Fraley Gennis Fraley
Date: Month 06 Day 10 Year 87

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

DHS 8022 A (7/84)
(EPA 8700-22)

84 89541

INVOICE:

INVOICE DETAIL

For the Period of June 01, 1987 to June 15, 1987

Business Office: Casmalia Resources
559 San Ysidro Road
P.O. Box 5275
Santa Barbara, CA. 93150-5275
(805) 9695897

Customer Name	Ticket Number	Date	Point of Origin	Generator	Weight (lbs)	Charge Description	Quantity	Unit of Measure		Rate	Charges
McKittrick Mud Inc./Petroleum	0092012 ManfN: 084017017	6/10/87	San Ramon	Chevron U.S.A.	43,560	Bulk Hazardous	10.00	Cubic Yards	@	140.00	1,400.00
						S.B. County 10% tax	.00		@	.00	140.00
											1,540.00
								Total Charge			1,540.00

130463

Job #
130463

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY ☐ YES ☑ NO

HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ YES ☑ NO

REPORT DATE M 6 M D 8 D 8 Y 7 Y

CASE #

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFTY CODE.
SIGNED: Thomas A Mele DATE: 6-8-87

REPORTED BY

NAME OF INDIVIDUAL FILING REPORT: Tom MELE
PHONE: (805) 861-3636
SIGNATURE: Thomas A Mele

REPRESENTING ☐ OWNER/OPERATOR ☐ REGIONAL BOARD ☑ LOCAL AGENCY ☐ OTHER
COMPANY OR AGENCY NAME: KERN Co. HEALTH DEPT

ADDRESS: 1700 FLOWER ST (STREET) BAKERSFIELD (CITY) CA (STATE) 93305 (ZIP)

RESPONSIBLE PARTY

NAME: CHEVRON USA ☐ UNKNOWN
CONTACT PERSON: JIM SAMPSON
PHONE: (415) 838-5209

ADDRESS: 2 ANABELLE LN (STREET) SAN RAMON (CITY) CA (STATE) (ZIP)

SITE LOCATION

FACILITY NAME (IF APPLICABLE): CHEVRON
OPERATOR: Jim MCALLISTER
PHONE: (209) 449-0404

ADDRESS: 2337 COUNTY RD & GRAPEVINE (STREET) LEBEC (CITY) KERN (COUNTY) (ZIP)

CROSS STREET: I 5
TYPE OF AREA ☐ COMMERCIAL ☐ INDUSTRIAL ☑ RURAL ☐ RESIDENTIAL ☐ OTHER
TYPE OF BUSINESS ☑ RETAIL FUEL STATION ☐ FARM ☐ OTHER

IMPLEMENTING AGENCIES

LOCAL AGENCY / AGENCY NAME: KERN COUNTY HEALTH DEPT
CONTACT PERSON: TOM MELE
PHONE: (805) 861-3636

REGIONAL BOARD
PHONE: ( )

SUBSTANCES INVOLVED

(1) NAME: WASTE OIL — QUANTITY LOST (GALLONS): ☑ UNKNOWN

(2) ☐ UNKNOWN

DISCOVERY/ABATEMENT

DATE DISCOVERED: M 5 M D 1 D 8 Y 7 Y
HOW DISCOVERED ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☐ TANK TEST ☑ TANK REMOVAL ☐ OTHER

DATE DISCHARGE BEGAN: M M D D Y Y ☑ UNKNOWN

METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)
☐ REMOVE CONTENTS ☑ REPLACE TANK ☐ CLOSE TANK ☐ REPAIR TANK ☐ REPAIR PIPING ☐ CHANGE PROCEDURE ☐ OTHER

HAS DISCHARGE BEEN STOPPED? ☑ YES ☐ NO IF YES, DATE M 5 M D 1 D 8 Y 7 Y

SOURCE/CAUSE

SOURCE OF DISCHARGE
☑ TANK LEAK ☐ UNKNOWN ☐ PIPING LEAK ☐ OTHER

TANKS ONLY/CAPACITY
500 GAL.
AGE ____ YRS ☑ UNKNOWN

MATERIAL
☐ FIBERGLASS ☑ STEEL ☐ OTHER

CAUSE(S)
☐ OVERFILL ☑ RUPTURE/FAILURE ☐ CORROSION ☐ UNKNOWN ☐ SPILL ☐ OTHER

CASE TYPE

CHECK ONE ONLY
☐ UNDETERMINED ☑ SOIL ONLY ☐ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS

CHECK ONE ONLY
☐ SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PROBLEM) ☐ CLEANUP IN PROGRESS ☑ SIGNED OFF (CLEANUP COMPLETED OR UNNECESSARY)
☐ NO ACTION TAKEN ☐ POST CLEANUP MONITORING IN PROGRESS ☐ NO FUNDS AVAILABLE TO PROCEED ☐ EVALUATING CLEANUP ALTERNATIVES

REMEDIAL ACTION

CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)
☐ CAP SITE (CD) ☑ EXCAVATE & DISPOSE (ED) ☐ REMOVE FREE PRODUCT (FP) ☐ ENHANCED BIO DEGRADATION (IT)
☐ CONTAINMENT BARRIER (CB) ☐ EXCAVATE & TREAT (ET) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ REPLACE SUPPLY (RS)
☐ TREATMENT AT HOOKUP (HU) ☐ NO ACTION REQUIRED (NA) ☐ OTHER (OT)

COMMENTS

HSC 05 (4/87)

INSTRUCTIONS

EMERGENCY
Indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES) at 2800 Meadowview Road, Sacramento, CA 95832. Copies of the OES report form may be obtained at your local underground storage tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.

LOCAL AGENCY ONLY
To avoid duplicate notification pursuant to Health and Safety Code Section 25180.7, a designated government employee should sign and date the form in this block. A signature here does not mean that the leak has been determined to pose a significant threat to human health or safety, only that notification procedures have been followed if required.

REPORTED BY
Enter your name, telephone number, and address. Indicate which party you represent and provide company or agency name.

RESPONSIBLE PARTY
Enter name, telephone number, contact person, and address of the party responsible for the leak. The responsible party would normally be the tank owner.

SITE LOCATION
Enter information regarding the tank facility and surrounding area. At a minimum, you must provide the facility name and full address.

IMPLEMENTING AGENCIES
Enter names of the local agency and Regional Water Quality Control Board involved.

SUBSTANCES INVOLVED
Enter the name and quantity lost of the hazardous substance involved. Room is provided for information on two substances if appropriate. If more than two substances leaked, list the two of most concern for cleanup.

DISCOVERY/ABATEMENT
Provide information regarding the discovery and abatement of the leak.

SOURCE/CAUSE
Indicate source(s) of leak. Provide details on tank age; capacity and material if known. Check box(es) indicating cause of leak.

CASE TYPE
Indicate the case type category for this leak. Check one box only. Case type is based on the most sensitive resource affected. For example, if both soil and ground water have been affected, case type will be "Ground Water". Indicate "Drinking Water" only if one or more municipal or domestic water wells have actually been affected. A "Ground Water" designation does not imply that the affected water cannot be, or is not, used for drinking water, but only that water wells have not yet been affected. It is understood that case type may change upon further investigation.

CURRENT STATUS
Indicate the category which best describes the current status of the case. Check one box only. The response should be relative to the case type. For example, if case type is "Ground Water", then "Current Status" should refer to the status of the ground water investigation or cleanup, as opposed to that of soil.

IMPORTANT: THE INFORMATION PROVIDED ON THIS FORM IS INTENDED FOR GENERAL STATISTICAL PURPOSES ONLY AND IS NOT TO BE CONSTRUED AS REPRESENTING THE OFFICIAL POSITION OF ANY GOVERNMENTAL AGENCY

REMEDIAL ACTION
Indicate which actions have been used to cleanup or remediate the leak. Descriptions of options follow:

Cap Site - install horizontal impermeable layer to reduce rainfall infiltration.
Containment Barrier - install vertical dike to block horizontal movement of contaminant.
Excavate and Dispose - remove contaminated soil and dispose in approved site.
Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming).
Remove Free Product - remove floating product from water table.
Pump and Treat Groundwater - generally employed to remove dissolved contaminants.
Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants.
Replace Supply - provide alternative water supply to affected parties.
Treatment at Hookup - install water treatment devices at each dwelling or other place of use.
No Action Required - incident is minor, requiring no remedial action.

COMMENTS - Use this space to elaborate on any aspects of the incident.
SIGNATURE - Sign the form in the space provided.
DISTRIBUTION

If the form is completed by the tank owner or his agent, retain the last copy and forward the remaining copies in tact to your local tank permitting agency for distribution.

1. Original - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Water Quality, Underground Tank Program, P. O. Box 100, Sacramento, CA 95801
3. Regional Water Quality Control Board
4. County Board of Supervisors or designee to receive Proposition 65 notifications.
5. Owner/responsible party.

Chris

KRAZAN & ASSOCIATES, INC.

Soils Engineering
Compaction Testing
Engineered Septic Systems
Construction Testing
Geotechnical Investigations

September 25, 1986 Proj. No. T86-055

Permit # 6000152

Chevron USA, Inc.
2 Annabel Lane, Suite 200
San Ramon, CA 94583

Attention: Mr. Frank Lopez

RE: Underground Tank Tests
Station #8616
Highway I-5 & Grapevine
Lebec, California

Gentlemen:

In accordance with your authorization, we have completed underground tank tests at the above-referenced project on September 24, 1986. The results of these tests are summarized as follows:

Tank No.	Tank Size	Tank Contents	Test Result (GPH)
1	10,000 gal.	Unleaded Gasoline	* — SEE ATTACHED
2	10,000 gal.	Regular Gasoline	*
3	5,200 gal.	Premium Unleaded	-.044/pass

* Tests terminated

Testing of the regular and unleaded tanks were terminated as data suggests trapped air vapor pockets in the tanks.

Conversations with the Kern County Water Agency indicates depth to ground water at the project site is approximately 100 feet. Therefore, the tests were performed without elevating the standpipe to compensate for shallow groundwater conditions.

The criteria established of ±.050 gallon/hour is a mathematical calculation based on actual liquid volume change and temperature change, and is not intended as a permission of a leak.

If you have any questions or if we can be of further assistance, please do not hesitate to contact our office.

Respectfully Submitted,
KRAZAN & ASSOCIATES, INC.

Michael Erwin
Principal Engineer
RCE #18625

ME/jsp/ko

3 c plus invoice herewith

KAZAN & ASSOCIATES, INC.

14. CHEVRON STATION #8616 / I-5 ; GRAPEVINE, LEBEC, CA 9/24/86
Name of Supplier, Owner or Dealer — Address No. and Street(s) — City — State — Date of Test

Petro Tite MANUFACTURER

15. TANK TO TEST: South End #1 (Identify by position); Regular (Brand and Grade)

16. CAPACITY: Nominal Capacity 10000 Gallons; By most accurate capacity chart available 9980 Gallons; From: [X] Station Chart [ ] Tank Manufacturer's Chart [ ] Company Engineering Data [ ] Charts supplied with petro tite [ ] Other
Is there doubt as to True Capacity? [ ] See Section "DETERMINING TANK CAPACITY"

17. FILL-UP FOR TEST
Stick Water Bottom before Fill-up 0 to ¼ in. — Gallons

	Stick Readings to ¼ in.	Gallons	Total Gallons as Reading
Inventory			9980
Prkr.-Hnfa Fill			+ 10
Top off			+ 4
			9994

FILL up STICK BEFORE AND AFTER EACH COMPARTMENT DROP OR EACH METERED DELIVERY QUANTITY

Tank Diameter — Product in full tank (up to fill pipe)

18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK: API 52.8 @ 57° F; CORRECTED 53.1
See manual sections applicable. Check below and record procedure in log (26).
[ ] Water in tank [ ] High water table in tank excavation [ ] Line(s) being tested with EVLLT

VAPOR RECOVERY SYSTEM: [ ] Stage I [X] Stage II

100 TOSCA DRIVE P.O. BOX CS-200 STOUGHTON, MA. 02072-1591

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY

Bottom of tank to Grade*	153"
Add 30" for 4" L	30"
Add 24" for 3" L or air seal	"
Total tubing to assemble Approximate	183"

20. EXTENSION HOSE SETTING

Tank top to grade*	58"
Extend hose on suction tube 8" or more below tank top	31"

*If Fill pipe extends above grade, use top of fill.

21. TEMPERATURE/VOLUME FACTOR (a) TO TEST THIS TANK
Is Today Warmer? [ ] Colder? [ ] ___° F Product in Tank ___° F Fill-up Product on Truck ___° F Expected Change (+ or −)

22. Thermal-Sensor reading after circulation 179.68 (open) 77.78 (filament) °F

23. Digits per °F in range of expected change 321 (open)

24. 9994 (total quantity in full tank (18 or 17)) × .00056461 (coefficient of expansion for involved product) = 5.6426124 gallons volume change in this tank per °F

25. 5.6426124 (volume change per °F (24)) ÷ 321 (Digits per °F in test Range (23)) = .0175782 (.0176) Volume change per digit. Compute to 4 decimal places. This is test factor (a)

26. LOG OF TEST PROCEDURES			30. HYDROSTATIC PRESSURE CONTROL		31. VOLUME MEASUREMENTS (V) RECORD TO .001 GAL			34. TEMPERATURE COMPENSATION USE FACTOR (a)			38. NET VOLUME CHANGES EACH READING	39. ACCUMULATED CHANGE
27. DATE / TIME (24 hr.)	28. Record details of setting up and running test. (Use full length of line if needed.)	29. Reading No.	Standpipe Level in Inches: Beginning of Reading	Level to which Restored	32. Product in Gradeuate: Before Reading	After Reading	Product Replaced (−) Recovered (+)	35. Thermal Sensor Reading	36. Change Higher + Lower − (c)	37. Computation (c) × (a) = Expansion + Contraction −	Temperature Adjustment: Volume Change Expansion (+) or Contraction (−) (#32(V) − #37(E))	Col. #39 Each record Total End Reflection: #1 Low Level compare Change per Hour (#1 PR criteria)
1800	Arrived at site, load dropping											
1815	Take burial dimensions, disable vapor recovery, pumps and/or sub units, stick for water											
1830	Install test adaptors											
1845	Install test sets											
1915	Pump up and running, circulate	90	minutes					17				
2045	Begin High Level	1		42		.165		968				
2100		2	44.3	42	.165	.320	+.155	979	+11	+.194	−.039	
2115		3	44.0	42	.320	.435	+.115	990	+11	+.194	−.079	
2130		4	44.2	42	.435	.575	+.140	997	+7	+.123	+.017	
2145		5	44.1	42	.575	.710	+.135	1011	+14	+.246	−.111	
2200		6	44.1	42	.710	.840	+.130	020	+9	+.158	−.028	
2215		7	44.1	42	.190	.320	+.130	033	+13	+.229	−.099	
2230		8	44.1	42	.320	.450	+.130	047	+14	+.246	−.116	
2240	Transition to 12"	—		—								
2245	Begin Low Level	1		12		.035		053				
2300		2	15.0	12	.035	.190	+.155	060	+7	+.123	+.032	
2315		3	14.9	12	.190	.345	+.155	068	+8	+.141	+.014	+.046
2330		4	15.0	12	.345	.510	+.155	073	+5	+.088	+.067	+.113
2345		5		12								
	-Test terminated during low level readings due to large gains of fuel											
	-Standpipe levels indicate air-vapor pocket in tank											

KAZAN & ASSOCIATES, INC.

14. CHEVRON STATION #8616 / I-5 ; GRAPEVINE, Lebec, CA 9/24/86
Name of Supplier, Owner or Dealer — Address No. and Street(s) — City — State — Date of Test

Petro Tite Tank Tester

15. TANK TO TEST: MIDDLE #2 (Identity by position); Unleaded (Brand and Grade)

16. CAPACITY: Nominal Capacity 12000 Gallons; By most accurate capacity chart available 11830 Gallons
Is there doubt as to True Capacity? ☐ See Section "DETERMINING TANK CAPACITY"
From: ☒ Station Chart ☐ Tank Manufacturer's Chart ☐ Company Engineering Data ☐ Charts supplied with petro tite ☐ Other

17. FILL-UP FOR TEST
Stick Water Bottom before Fill-up 0 to ¼ in. — Gallons
Inventory: Stick Readings to ¼ in. — Gallons
Prkr.-Hnfa Fill — Total Gallons ex. Reading: 11830
Tot Oss — + 14
11844
FIll up. STICK BEFORE AND AFTER EACH COMPARTMENT DROP OR EACH METERED DELIVERY QUANTITY
Tank Diameter 94 ½ Product in full tank (up to fill pipe)

18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK — API 50.8 @ 58 F — CORRECTED... 51.0
See manual sections applicable. Check below and record procedure in log (26).
☐ Water in tank ☐ High water table in tank excavation ☐ Line(s) being tested with GULLY
VAPOR RECOVERY SYSTEM: ☐ Stage I ☒ Stage II

KAZAN ENVIRONMENTAL CONSULTANTS
100 TOSCA DRIVE
P.O. BOX CS-700
STOUGHTON, MA. 02072-1591

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY
Bottom of tank to Grade* ..... 154"
Add 30" for 4" L ..... 30"
Add 24" for 3" L or air seal ..... "
Total tubing to assemble Approximate ..... 184"

20. EXTENSION HOSE SETTING
Tank top to grade* ..... 59 ½"
Extend hose on suction tube 8" or more below tank top ..... 32"
*If Fill pipe extends above grade, use top of fill.

21. TEMPERATURE/VOLUME FACTOR (a) TO TEST THIS TANK
Is Today Warmer? ( ) Colder? ( ) ___°F Product in Tank ___°F Fill-up Product on Truck ___°F Expected Change (+ or −)
22. Thermal-Sensor reading after circulation 321 degrees — 77/78 °F Nearest
23. Digits per °F in range of expected change 321 degrees
24. 11844 total quantity in full tank (18 or 17) × .00054970 coefficient of expansion for involved product = 6.5106168 volume change in this tank per °F gallons (.0203)
25. 6.5106168 volume change per °F (24) ÷ 321 Digits per °F in test Range (23) = .0202823 Volume change per digit. Compute to 4 decimal places. This is test factor (a)

26. LOG OF TEST PROCEDURES		30. HYDROSTATIC PRESSURE CONTROL		31. VOLUME MEASUREMENTS (V) RECORD TO .001 GAL.			34. TEMPERATURE COMPENSATION USE FACTOR (a)			38. NET VOLUME CHANGES EACH READING	39. ACCUMULATED CHANGE
27. DATE / TIME (24 hr.)	28. Record details of setting up and running test. (Use full length of line if needed.)	29. Reading No.	Standpipe Level in Inches: Beginning of Reading	Level to which Restored	32. Product in Graduate: Before Reading	After Reading	Product Replaced (−) Product Recovered (+)	35. Thermal Sensor Reading	36. Change Higher + Lower − (a)	37. Compensation (c) + (a) = Expansion + Contraction −	Temperature Adjustment: Volume Meters Expansion (+) or Contraction (−) #33(V) − #37(C)	At High Level record Total End Deflection; At Low Level compute Change per Hour (#38 of Prior)
1800	Arrived at site, load dropping											
1815	Take burial dimensions, disable vapor recovery, pumps and/or sub units, stick for water											
1830	Install test adaptors											
1845	Install test sets											
2000	Pump up and running, circulate			90	minutes			17				
2130	Begin High Level	1		42		.030		875				
2145		2	43.5		.030	.125	+.095	886	+11	+.223	-.128	
2200		3	43.2		.125	.200	+.075	895	+9	+.182	-.107	
2215		4	43.3		.200	.285	+.085	907	+12	+.244	-.159	
2230		5	43.5		.285	.385	+.100	920	+13	+.264	-.164	
2245		6	43.3		.385	.465	+.080	930	+10	+.203	-.123	
2300		7	43.4		.465	.550	+.085	942	+12	+.241	-.159	
2315		8	43.2		.550	.625	+.075	954	+12	+.244	-.169	
2320	Transfer to 12"	/		12							+1.---	-----
2330	Begin Low Level	1			Now lowered to 12" From 42" there were readings taken in the 5" to 3" level to the 31" mark. This along with the varying standpipe readings indicate the presence of a large air vapor pocket in the tank.							
2345		2										
2400		3										
2415		4										
2430		5										

L. Kazan

K[illegible]AZAN & ASSOCIATES, INC.

14. CHEVRON STATION # 8616 / I-5 ; GRAPEVINE, Lebec, CA 9/24/86
Name of Supplier, Owner or Dealer — Address No. and Street(s) — City — State — Date of Test

Petro Tite WASHINGTON

15. TANK TO TEST
3 (Identify by position)
PREMIUM (Brand and Grade)

16. CAPACITY
Nominal Capacity 5250 Gallons
By most accurate capacity chart available 5250 Gallons
Is there doubt as to True Capacity? ☐
See Section "DETERMINING TANK CAPACITY"

From
☑ Station Chart
☐ Tank Manufacturer's Chart
☐ Company Engineering Data
☐ Charts supplied with Petro Tite
☐ Other

17. FILL-UP FOR TEST

Stick Water Bottom before Fill-up 0, to ⅛ in. — 0 Gallons

	Stick Readings to ⅛ in.	Gallons	Total Gallons ea. Reading
Inventory			5250
	Prkr.-Hnfa Fill		+ 10
	Top off		8
Product in full tank (up to fill pipe)			5268

Fill up. STICK BEFORE AND AFTER EACH COMPARTMENT DROP OR EACH METERED DELIVERY QUANTITY

Tank Diameter 95"

100 TOSCA DRIVE
P.O. BOX CS-200
STOUGHTON, MA. 02072-1591

18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK — API 53.5 @ 62 F — CORRECTED 53.3

See manual sections applicable. Check below and record procedure in log (28).

☐ Water in tank ☐ High water table in tank excavation ☐ Line(s) being tested with tank

VAPOR RECOVERY SYSTEM
☐ Stage I
☐ Stage II

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY
Bottom of tank to Grade* .... 155½"
Add 30" for 4" L .... 20"
Add 24" for 3" L or air seal .... "
Total tubing to assemble Approximate .... 175"

20. EXTENSION HOSE SETTING
Tank top to grade* .... 60"
Extend hose on suction tube 8" or more below tank top .... "

*If Fill pipe extends above grade, use top of fill.

21. TEMPERATURE/VOLUME FACTOR (a) TO TEST THIS TANK
Is Today Warmer? ( ) Colder? ( ) ___°F Product in Tank ___°F Fill-up Product on Truck ___°F Expected Change (+ or −)

22. Thermal-Sensor reading after circulation 18251 digits — 79/78 °F Nearest

23. Digits per °F in range of expected change 321 digits

24. 5268 (total quantity in full tank (16 or 17)) × .00056603 (coefficient of expansion for involved product) = 2.981846 gallons (volume change in this tank per °F) .0093

25. 2.981846 (volume change per °F (24)) ÷ 321 (Digits per °F in test Range (23)) = .0092892 (Volume change per digit. Compute to 4 decimal places.) This is test factor (a)

26. LOG OF TEST PROCEDURES — 30. HYDROSTATIC PRESSURE CONTROL — 31. VOLUME MEASUREMENTS (m) RECORD TO .001 GAL. — 34. TEMPERATURE COMPENSATION USE FACTOR (a) — 38. NET VOLUME CHANGES EACH READING — 39. ACCUMULATED CHANGE

27. Date / Time (24 hr)	28. Record details of setting up and running test. (Use full length of line if needed.)	29. Reading No.	30. Standpipe Level in Inches: Beginning of Reading	Level to which Restored	32. Product in Graduate: Before Reading	After Reading	Product Replaced (−) Product Recovered (+)	35. Thermal Sensor Reading	36. Change Higher + Lower − (c)	37. Computation (c) × (a) = Expansion + Contraction −	38. Temperature Adjustment; Volume Shows Expansion (+) or Contraction (−) #33(V) − #37(T)	39. At High Level record Total End Deflection; At Low Level compute Change per Hour (97% criteria)
1800	Arrived at site, load dropping											
1815	Take burial dimensions, disable vapor recovery, pumps and/or sub units, stick for water											
1830	Install test adaptors									Factor A	.0093	
1845	Install test sets											
1900	Pump up and running, circulate 30 minutes											
1929	Drop to 42"											
1930	Start Hi Test	1		42				18251				
1945	Continue Hi Test	2	43.7	42	.420	.490	+.070	267	+16	+.149	−.079	
2000		3	43.3	42	.490	.570	+.080	280	+13	+.121	−.041	
2015		4	43.2	42	.570	.630	+.060	297	+17	+.158	−.098	
2030		5	43	42	.630	.690	+.060	309	+12	+.112	−.052	
2045		6	42.9	42	.690	.745	+.055	320	+11	+.102	−.048	
2100		7	43	42	.745	.810	+.065	335	+15	+.140	−.075	
2115		8	43	42	.810	.870	+.060	349	+14	+.130	−.070	
2120	Drop to 12"											
2130	Start Low Test	1		12				18365				
2145	Continue Low Test	2	14.1	12	.350	.475	+.125	379	+14	+.130	−.005	−.005
2200		3	13.8	12	.475	.575	+.100	390	+11	+.102	−.002	−.007
2215		4	13.8	12	.575	.680	+.105	402	+12	+.112	−.007	−.014
2230		5	13.7	12	.680	.780	+.100	416	+14	+.130	−.030	−.044

Passed

Ray Norman

KERN

PROFESSIONAL TANK SERVICES, LTD. 1912 Raymond Drive Northbrook, IL 60062 (312) 291-0113

October 31, 1986

Chevron U.S.A., Inc.
2 Annabel Lane
San Ramon, Ca.

Re: Tank system testing 10-16-86
Chevron Sta. #8616
I-5 Grapevine Exit
Lebec, Ca.

Dear Mark Nelson:

The tank systems tested at this location are identified as follows:

Tank system #1 West	10,000 Gallon Regular.
Tank system #2 Center	12,000 Gallon Unleaded.

The National Fire Protection Association's criteria for a tight tank system is a system with a rate of leak less than .050 gal/hr. These are calculated, mathematical tolerances only and are not meant to indicate the permission of any leak.

During the stand-pipe test procedure the liquid hydrostatic pressure applied to the underground tank system is generally two to three times greater than normal liquid storage pressures. This increase in hydrostatic pressure will amplify the indicated rate of leak accordingly.

Tank #1 showed a leak rate of +.026 gal/hr.
Tank #1 is tight.

Tank #2 showed a leak rate of -.526 gal/hr.
Tank #2 is leaking.

continued on page 2

PROFESSIONAL TANK SERVICES, LTD. 1912 Raymond Drive Northbrook, IL 60062 (312) 291-0113

The product lines were tested and found to be tight.

Prior to and after testing the tank bottoms were checked for water through the fill pipes, the results are as follows:

Tank system #1	0.00 Inches were recorded.
Tank system #2	0.00 Inches were recorded.

Sincerely,

William J Purpora

WJP/leb

Data Chart for Tank System Tightness Test

petro Tite
TANK TESTER

PLEASE PRINT

1. OWNER Property ☒ Tank(s) ☒

CHEVRON

Name | Address | Representative | Telephone

Name | Address | Representative | Telephone

2. OPERATOR # 8616

CHEVRON I-5 GRAPEVINE EXIT | LEBEC, CALIFORNIA | 805-322-5789

Name | Address | Telephone

3. REASON FOR TEST (Explain Fully)

4. WHO REQUESTED TEST AND WHEN

Name | Title | Company or Affiliation | Date

Address | Telephone

5. WHO IS PAYING FOR THIS TEST?

Company, Agency or Individual | Person Authorizing | Title | Telephone

Billing Address | City | State | Zip

Attention of: | Order No. | Other Instructions

6. TANK(S) INVOLVED

Identify by Direction	Capacity	Brand/Supplier	Grade	Approx. Age	Steel/Fiberglass
#1 WEST	10,000		REGULAR		FIBERGLASS
#2 CENTER	12,000		UNLEADED		FIBERGLASS

7. INSTALLATION DATA

Location	Cover	Fills	Vents	Siphones	Pumps
—	CONCRETE	6"	2"	—	REMOTE
North inside driveway, Rear of station, etc.	Concrete, Black Top, Earth, etc.	Size, Titefill make, Drop tubes, Remote Fills	Size, Manifolded	Which tanks?	Suction, Remote, Make if known

8. UNDERGROUND WATER

Depth to the Water table NO MONITORING WELL ON SITE.

Is the water over the tank? ☐ Yes ☒ No

9. FILL-UP ARRANGEMENTS

Tanks to be filled _____ hr. _____ Date Arranged by _____ Name Telephone

Extra product to "top off" and run TSTT. How and who to provide? Consider NO Lead.

Terminal or other contact for notice or inquiry _____ Company Name Telephone

10. CONTRACTOR, MECHANICS, any other contractor involved

STAND PIPE ELEVATED 252" FROM BOTTOM OF TANK TO THE 12" MARK

11. OTHER INFORMATION OR REMARKS

SUPER UNLEADED 6" FILL ADAPTER NEEDS TO BE REPLA

Additional information on any items above. Officials or others to be advised when testing is in progress or completed. Visitors or observers present during test etc.

12. TEST RESULTS

Tests were made on the above tank systems in accordance with test procedures prescribed for petro Tite TANK TESTER as detailed on attached test charts with results as follows:

Tank Identification	Tight	Leakage Indicated	Date Tested
#1 WEST	YES	+.026 GPH	10-16-86
#2 CENTER	NO	-.526 GPH	10-16-86

13. CERTIFICATION

This is to certify that these tank systems were tested on the date(s) shown. Those indicated as "Tight" meet the criteria established by the National Fire Protection Asociation Pamphlet 329.

Date

PHILIP DELGADILLO
MARIBETH DELGADILLO
Technicians

Testing Contractor or Company By: Signature

Address

Serial No. of Thermal Sensor

14. CHEVRON I-5 GRAPEVINE EXIT LEBEC, CALIFORNIA 10-16-86
Name of Supplier, Owner or Dealer | Address No. and Street(s) | City | State | Date of Test

Petro Tite TANK TESTER

15. TANK TO TEST

#1 WEST
Identity by position

REGULAR
Brand and Grade

16. CAPACITY

Nominal Capacity 10,000 Gallons

By most accurate capacity chart available 9,980 Gallons

From
- [x] Station Chart
- [ ] Tank Manufacturer's Chart
- [ ] Company Engineering Data
- [ ] Charts supplied with Petro Tite TANK TESTER
- [ ] Other

Is there doubt as to True Capacity? [ ]
See Section "DETERMINING TANK CAPACITY"

17. FILL-UP FOR TEST

Stick Water Bottom before Fill-up 0 " to ⅛ in. 0 Gallons

Fill up. STICK BEFORE AND AFTER EACH COMPARTMENT DROP OR EACH METERED DELIVERY QUANTITY

Tank Diameter 95"

	Stick Readings to ⅛ in.	Gallons	Total Gallons ea. Reading
Inventory	95"		9,980
	TOPOFF		+10
	WATER		-0
Product in full tank (up to fill pipe)			9,990

18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK

HYD. 58.8 @ 71 °F
CONVT'D TO 57.4 @ 60 °F

See manual sections applicable. Check below and record procedure in log (26).

- [ ] Water in tank
- [ ] High water table in tank excavation
- [x] Line(s) being tested with LVLLT

VAPOR RECOVERY SYSTEM
- [ ] Stage I
- [ ] Stage II

HEATH CONSULTANTS
100 TOSCA DRIVE
P.O. BOX CS-200
STOUGHTON, MA. 02072-1591
(617) 344-1400

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY

Bottom of tank to Grade*	150 "
Add 30" for 4" L	30 "
Add 24" for 3" L or air seal	"
Total tubing to assemble Approximate	180 "

20. EXTENSION HOSE SETTING

Tank top to grade*	54½ "
Extend hose on suction tube 6" or more below tank top	10 "

*If Fill pipe extends above grade, use top of fill.

21. TEMPERATURE/VOLUME FACTOR (a) TO TEST THIS TANK

Is Today Warmer? [ ] Colder? [ ] ___° F Product in Tank ___° F Fill-up Product on Truck ___° F Expected Change (+ or −)

22. Thermal-Sensor reading after circulation 17867 digits 76/77 Nearest °F

23. Digits per °F in range of expected change 319 digits

24. 9,990 (total quantity in full tank (16 or 17)) × .00059514 (coefficient of expansion for involved product) = 5.94544486 gallons (volume change in this tank per °F)

25. 5.94544486 (volume change per °F (24)) ÷ 319 (Digits per °F in test Range (23)) = .0186377 (.0186) Volume change per digit. Compute to 4 decimal places. This is test factor (a)

26. LOG OF TEST PROCEDURES			30. HYDROSTATIC PRESSURE CONTROL		31. VOLUME MEASUREMENTS (V) RECORD TO .001 GAL.			34. TEMPERATURE COMPENSATION USE FACTOR (a)			38. NET VOLUME CHANGES EACH READING	39. ACCUMULATED CHANGE
27. DATE / TIME (24 hr.)	28. Record details of setting up and running test. (Use full length of line if needed.)	29. Reading No.	Standpipe Level in Inches: Beginning of Reading	Standpipe Level in Inches: Level to which Restored	32. Product in Graduate: Before Reading	Product in Graduate: After Reading	Product Replaced (−) / Product Recovered (+)	35. Thermal Sensor Reading	36. Change Higher + Lower − (c)	37. Computation (c) × (a) = Expansion + Contraction −	Temperature Adjustment / Volume Minus Expansion (+) or Contraction (−) #33(V) − #37(T)	At High Level record Total End Deflection / At Low Level compute Change per Hour (NFPA criteria)
2105	BEGIN TRANSFER OF PRODUCT											

	REMOVE 6" ADAPTER - LOOSE WHEN REMOVING SPLASH TUBE											
	DOPE & TIGHTEN DOWN									FACTOR	"A"	(.0186)
2230	PUMP PRIMED & RUNNING							17				
2320	1ST SENSOR READING	1		42				867				
2335	START HIGH LEVEL TEST	2	42.7	42	.400	.435	±.035	868	+1	±.019	±.016	
2350	CONT'D HIGH LEVEL TEST	3	42.8	42	.435	.480	±.045	878	+10	±.186	-.141	
0005	"	4	42.8	42	.480	.525	±.045	882	+4	±.074	-.029	
0020	"	5	43.0	42	.525	.590	±.065	887	+5	±.093	-.028	
0035	"	6	43.1	42	.590	.665	±.075	891	+4	±.074	±.001	
0050	"	7	43.1	42	.665	.735	±.070	893	+2	±.037	±.033	
0105	"	8	43.3	42	.735	.820	±.085	897	+4	±.074	±.011	
0120	"	9	43.4	42	.820	.910	±.090	902	+5	±.093	-.003	
	DROP TO LOW LEVEL											
0135	START LOW LEVEL TEST	10		12				906				
0150	CONT'D LOW LEVEL TEST	11	13.3	12	.420	.505	±.085	911	+5	±.093	-.008	-.008
0205	"	12	13.2	12	.505	.585	±.080	914	+3	±.056	±.024	±.016
0220	"	13	13.0	12	.585	.655	±.070	918	+4	±.074	-.004	±.012
0235	"	14	13.0	12	.655	.725	±.070	921	+3	±.056	±.014	±.026

14. CHEVRON I-5 | GRAPEVINE EXIT | LEBEC, CALIFORNIA | 10-16-86
Name of Supplier, Owner or Dealer | Address No. and Street(s) | City | State | Date of Test

petro Tite TANK TESTER

15. TANK TO TEST

#2 CENTER
Identity by position

UNLEADED
Brand and Grade

16. CAPACITY

Nominal Capacity 12,000 Gallons

By most accurate capacity chart available 11,830 Gallons

Is there doubt as to True Capacity? ☐
See Section "DETERMINING TANK CAPACITY"

From
- ☒ Station Chart
- ☐ Tank Manufacturer's Chart
- ☐ Company Engineering Data
- ☐ Charts supplied with petro Tite TANK TESTER
- ☐ Other _____

17. FILL-UP FOR TEST

Stick Water Bottom before Fill-up 0 " to ⅛ in. — 0 Gallons

Fill up STICK BEFORE AND AFTER EACH COMPARTMENT DROP OR EACH METERED DELIVERY QUANTITY

Tank Diameter 94½ "

	Stick Readings to ⅛ in.	Gallons	Total Gallons ea. Reading
Inventory	95"		11,830
Top Off			+10
Water			−0
Product in full tank (up to fill pipe)			11,840

18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK

See manual sections applicable. Check below and record procedure in log (26).

HYD. · 55.8 @ 71 °F
CONVT.'D TO 54.5 @ 60°F

☐ Water in tank ☐ High water table in tank excavation ☒ Line(s) being tested with LVLLT

VAPOR RECOVERY SYSTEM
- ☐ Stage I
- ☐ Stage II

HEATH CONSULTANTS
100 TOSCA DRIVE
P.O. BOX CS-200
STOUGHTON, MA. 02072-1591
(617) 344-1400

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY

Bottom of tank to Grade*	148½"
Add 30" for 4" L	30"
Add 24" for 3" L or air seal	"
Total tubing to assemble Approximate	178½"

20. EXTENSION HOSE SETTING

Tank top to grade*	54"
Extend hose on suction tube 6" or more below tank top	10"

*If Fill pipe extends above grade, use top of fill.

21. TEMPERATURE/VOLUME FACTOR (a) TO TEST THIS TANK

Is Today Warmer? ☐ Colder? ☐ ___° F Product in Tank ___° F Fill-up Product on Truck ___° F Expected Change (+ or −)

22. Thermal-Sensor reading after circulation 17595 digits — 76/77 Nearest °F

23. Digits per °F in range of expected change 319 digits

24. 11,840 (total quantity in full tank (16 or 17)) × .00057455 (coefficient of expansion for involved product) = 6.802672 (volume change in this tank per °F) gallons

25. 6.802672 (volume change per °F (24)) ÷ 319 (Digits per °F in test Range (23)) = .0213249 (Volume change per digit. Compute to 4 decimal places.) (.0213) This is test factor (a)

26. LOG OF TEST PROCEDURES			30. HYDROSTATIC PRESSURE CONTROL		31. VOLUME MEASUREMENTS (V) RECORD TO .001 GAL.			34. TEMPERATURE COMPENSATION USE FACTOR (a)			38. NET VOLUME CHANGES EACH READING	39. ACCUMULATED CHANGE
27. DATE / TIME (24 hr.)	28. Record details of setting up and running test. (Use full length of line if needed.)	29. Reading No.	Standpipe Level in Inches: Beginning of Reading	Level to which Restored	32. Product in Graduate: Before Reading	After Reading	Product Replaced (−) / Product Recovered (+)	35. Thermal Sensor Reading	36. Change Higher + Lower − (c)	37. Computation (c) × (a) = Expansion + Contraction −	Temperature Adjustment / Volume Minus Expansion (+) or Contraction (−) #33(V) − #37(T)	At High Level record Total End Deflection / At Low Level compute Change per Hour (NFPA criteria)

1800	ARRIVED AT SITE										FACTOR "A"		(.0213)
	REMOVED SPLASH TUBES - 6" FILL ADAPTER LOOSE WHEN SPLASH TUBE REMOVED.												
	INSERT LINE TEST ADAPTERS												
	STICK TANK FOR WATER												
	TAKE BURIAL DIMENSIONS.												
1930	CALL CHICAGO												
1945	BEGIN TRANSFER												
	REMOVE 6" FILL ADAPTER - DOPE AND REPLACE												
2100	TRANSFER COMPLETE.												
2135	PUMP PRIMED & RUNNING								17				
2240	1ST SENSOR READING	1		42					595				
2255	START HIGH LEVEL TEST	2	39.6	42	.820	.655	-.165		599	+4	±.085	-.250	
2310	CONT.'D HIGH LEVEL TEST	3	39.2	42	.655	.470	-.185		602	+3	±.064	-.249	
2325	"	4	39.8	42	.470	.300	-.170		608	+6	±.128	-.298	
2340	"	5	39.8	42	.300	.125	-.175		614	+6	±.128	-.303	
2355	"	6	39.7	42	.990	.820	-.170		616	+2	±.043	-.213	
0010	"	7	39.9	42	.820	.660	-.160		618	+2	±.043	-.203	
0025	"	8	40.0	42	.660	.505	-.155		621	+3	±.064	-.219	
0040	"	9	40.1	42	.505	.355	-.150		626	+5	±.107	-.257	
	DROP TO LOW LEVEL												
0055	START LOW LEVEL TEST	10		12					629				
0110	CONT.'D LOW LEVEL TEST	11	11.1	12	.410	.330	-.080		632	+3	±.064	-.144	-.144
0125	"	12	11.0	12	.330	.260	-.070		636	+4	±.085	-.155	-.299
0140	"	13	11.0	12	.260	.195	-.065		638	+2	±.043	-.108	.407
0155	"	14	10.9	12	.195	.140	-.055		641	+3	±.064	-.119	.526

For Use With

KENT-MOORE J[redacted]15 LIQUID VOLUMETRIC LINE LEAK TESTER

1 LOCATION: I-5 AT GRAPEVINE EXIT (Street No. and/or Corner) LEBEC (City) CALIFORNIA (State) 805-322-5789 (Telephone No.)

2 OWNER: CHEVRON (Name) (Address) (Representative) (Position) (Telephone No.)

3 OPERATOR: COOP. STA. NO. 8616 (Name) (Dealer, Mgr. or Other) (Address (If different than Location)) (Telephone No.)

4 REASON FOR TEST

5 TEST REQUESTED BY: (Name) (Position) (Order No.) (Billing Address)

6 SPECIAL INSTRUCTIONS:

7 CONTRACTOR OR COMPANY MAKING TEST MECHANIC(S) NAME PHILIP F. DELGADILLO

8 IS A K-M TANK TEST TO BE MADE WITH THIS LINE TEST? [X] YES [ ] NO

9 MAKE AND TYPE OF PUMP OR DISPENSERS REMOTES GILBARCO DISP.

10 WEATHER TEMPERATURE IN TANKS 76/77 °F ____ °C

COVER OVER LINES BLACK TOP (Concrete, Black Top, etc.) APPROXIMATE BURIAL DEPTH

OWNER: CHEVRON (Name)

LOCATION: I-5 GRAPEVINE EXT. (Street No.) LEBEC (City) CALIFORNIA (State)

DATE OF TEST: Day 16 Mo. 10 Year 86

11 IDENTIFY EACH LINE AS TESTED	12 TIME (MILITARY)	13 LOG OF TEST PROCEDURES, AMBIENT TEMPERATURE, WEATHER, ETC.	14 PRESSURE psi OR kPa BEFORE	14 PRESSURE psi OR kPa AFTER	15 VOLUME BURETTE READING BEFORE	15 VOLUME BURETTE READING AFTER	15 VOLUME NET CHANGE	16 TEST RESULTS CONCLUSIONS, REPAIRS AND COMMENTS
		INSERT LINE TEST ADAPTERS						
#1 WEST	0015	START LINE TEST		30				
REGULAR	0030	CONT. LINE TEST	27	30	.056	.053	-.003	-.008 GPH LINES TIGHT
ISLAND #3	0045	" "	28	30	.053	.051	-.002	
DISP. #10	0100	" "	28	30	.051	.049	-.002	
	0115	" "	29	30	.049	.048	-.001	
	0125	BLEED BACK	30	0	.048	.092	+.044	
#2 CENTER	0130	START LINE TEST		30				
UNLEADED	0145	CONT. LINE TEST	29	30	.055	.053	-.002	-.005 GPH LINES TIGHT
ISLAND #3	0200	" "	29	30	.053	.052	-.001	
DISP. #13	0215	" "	29	30	.052	.051	-.001	
	0230	" "	29	30	.051	.050	-.001	
	0240	BLEED BACK	30	0	.050	.098	+.048	

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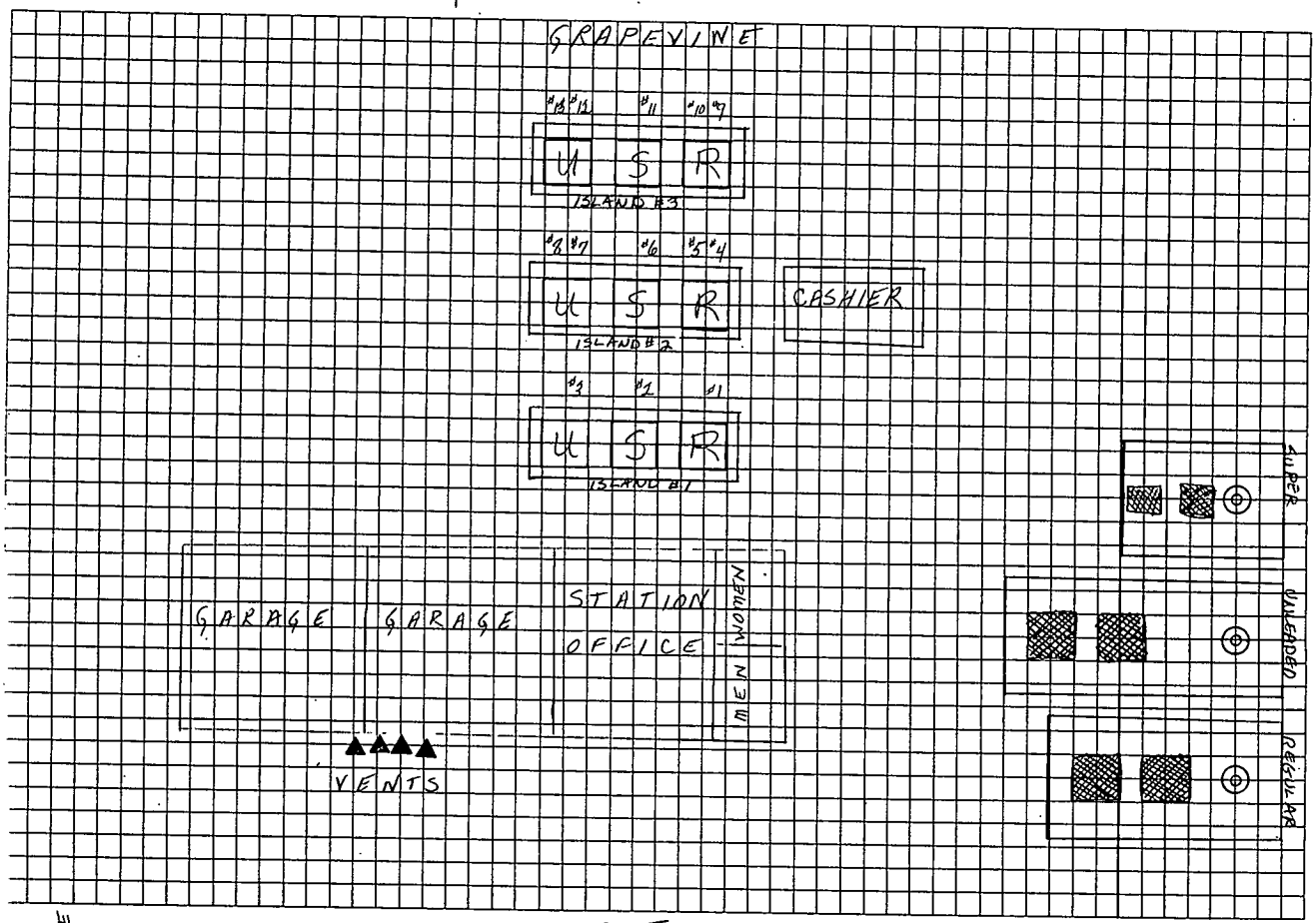
11 IDENTIFY EACH LINE AS TESTED	12 TIME (MILITARY)	13 LOG OF TEST PROCEDURES, AMBIENT TEMPERATURE, WEATHER, ETC.	14 PRESSURE psi OR kPa		15 VOLUME BURETTE READING			16 TEST RESULTS
			BEFORE	AFTER	BEFORE	AFTER	NET CHANGE	CLUSIONS, REPAIRS AND COMMENTS

SCALE: ☐ 1 PACE = 3 FT. PER SQUARE—THIS SHEET = 168' x 114'
☐ 2 PACES = 6 FT. PER SQUARE—THIS SHEET = 336' x 228'

17 SKETCH OF LOCATION — SHOW: NORTH (N) 1. STREETS, STATION BUILDING, TANKS, ISLANDS, PIPING (IF KNOWN, OR BEST INFO). PUMPS OR DISPENSERS (USE NUMBERS ONLY IF PERMANENTLY MARKED).



I-5

Kent-Moore
TOOL DIVISION
1501 SOUTH JACKSON STREET ■ JACKSON, MICHIGAN 49203
Telephone: 517/784-8561

orm No. U76-145 (J-25515-88)

Litho in U.S.A.

PERMIT CHECKLIST

Facility CHEVRON STATION #8616 Permit # 600015C

This checklist is provided to ensure that all necessary packet enclosures were received and that the Permittee has obtained all necessary equipment to implement the first phase of monitoring requirements.

Please complete this form and return to KCHD in the self-addressed envelope provided within 30 days of receipt.

Check:

Yes	No	
		A. The packet I received contained:
✓		1) Cover Letter, Permit Checklist, Interim Permit, Phase I Interim Permit Monitoring Requirements, Information Sheet (Agreement Between Owner and Operator), Chapter 15 (KCOC #G-3941), Explanation of Substance Codes, Equipment Lists and Return Envelope.
✓		2) Standard Inventory Control Monitoring Handbook #UT-10. with the following forms: a) "Inventory Recording Sheet" b) "Inventory Reconciliation Sheet with summary on reverse" c) "Trend Analysis Worksheet"
✓		3) Modified Inventory Control Monitoring Handbook #UT-15 with form: "Quarterly Modified Inventory Control Sheet" with "Quarterly Summary on reverse"
✓		4) An Action Chart for each inventory method (to post at facility)
✓		B. I have examined the information on my Interim Permit, Phase I Monitoring Requirements, and Information Sheet (Agreement between Owner and Operator), and find owner's name and address, facility name and address, operator's name and address, substance codes, and number of tanks to be accurately listed (if "no" is checked, note appropriate corrections on the back side of this sheet).
		C. I have the following required equipment (as described in Handbooks under "Before Starting")
✓		1) Acceptable gauging instrument
✓		2) "Striker plate(s)" in tank(s)
✓		3) Water-finding paste
	✓	D. I have read the information on the enclosed "Information Sheet" pertaining to Agreements between Owner and Operator and hereby state that the owner of this facility is the operator (if "no" is checked, attach a copy of agreement between owner and operator).
✓		E. I have enclosed a copy of Calibration Charts for all tanks at this facility (if tanks are identical, one chart will suffice; label chart(s) with corresponding tank numbers listed on permit).
✓		F. As required on page 6 of Handbook #UT-10, all meters at this facility have had calibration checks within the last 30 days and were calibrated by a registered device repairman if out of tolerance (all meter calibrations must be recorded on "Meter Calibration Check Form" found in the Appendix of Handbook).
✓		G. Standard Inventory Control Monitoring (Handbook #UT-10) and Modified Inventory Control Monitoring (Handbook #UT-15) were started at this facility in accordance with requirements described on interim permit conditions.

Date Started 7/1/87

Signature of Person Completing Checklist: Kelli M. Mathieu

Title: Marketing Assistant

Date: 6/2/87

STATION # 8616 TANK CONVERSION CHART

Sup

ADDRESS HWY I-5 & GRAPEVINE, LEBEC, CA 93243

MAXIMUM CAPACITY 5,000

DIPSTICK READING (INCHES) TO GALLONS

Dipstick	Gallons	Dipstick	Gallons	Dipstick	Gallons	Dipstick	Gallons	Dipstick	Gallons	Dipstick	Gallons	Dipstick	Gallons
¼"	3	14¼	492	28¼	1302	42¼	2246	56¼	3222	70¼	4143	84¼	4899
½	5	14½	504	28½	1319	42½	2263	56½	3239	70½	4158	84½	4910
¾	8	14¾	517	28¾	1335	42¾	2281	56¾	3256	70¾	4174	84¾	4921
1	10	15	529	29	1351	43	2298	57	3273	71	4189	85	4932
1¼	14	15¼	542	29¼	1367	43¼	2316	57¼	3290	71¼	4204	85¼	4943
1½	19	15½	555	29½	1383	43½	2333	57½	3308	71½	4219	85½	4953
1¾	23	15¾	568	29¾	1399	43¾	2351	57¾	3325	71¾	4234	85¾	4964
2	27	16	581	30	1415	44	2368	58	3342	72	4249	86	4974
2¼	33	16¼	594	30¼	1432	44¼	2386	58¼	3359	72¼	4264	86¼	4984
2½	38	16½	608	30½	1448	44½	2403	58½	3376	72½	4279	86½	4994
2¾	44	16¾	621	30¾	1465	44¾	2421	58¾	3393	72¾	4393	86¾	5004
3	49	17	634	31	1481	45	2438	59	3410	73	4308	87	5014
3¼	56	17¼	648	31¼	1497	45¼	2455	59¼	3427	73¼	4323	87¼	5024
3½	63	17½	662	31½	1514	45½	2473	59½	3444	73½	4338	87½	5033
3¾	69	17¾	675	31¾	1530	45¾	2490	59¾	3461	73¾	4352	87¾	5043
4	76	18	689	32	1546	46	2507	60	3478	74	4367	88	5052
4¼	83	18¼	703	32¼	1563	46¼	2525	60¼	3495	74¼	4382	88¼	5061
4½	91	18½	717	32½	1580	46½	2542	60½	3512	74½	4396	88½	5070
4¾	98	18¾	730	32¾	1596	46¾	2560	60¾	3528	74¾	4411	88¾	5078
5	105	19	744	33	1613	47	2577	61	3545	75	4425	89	5087
5¼	113	19¼	758	33¼	1630	47¼	2595	61¼	3562	75¼	4439	89¼	5095
5½	122	19½	772	33½	1647	47½	2613	61½	3579	75½	4453	89½	5104
5¾	130	19¾	786	33¾	1664	47¾	2630	61¾	3595	75¾	4467	89¾	5112
6	138	20	800	34	1680	48	2648	62	3612	76	4481	90	5120
6¼	147	20¼	815	34¼	1697	48¼	2666	62¼	3629	76¼	4495	90¼	5127
6½	156	20½	829	34½	1714	48½	2683	62½	3646	76½	4509	90½	5135
6¾	164	20¾	844	34¾	1730	48¾	2701	62¾	3662	76¾	4522	90¾	5142
7	173	21	858	35	1747	49	2718	63	3679	77	4536	91	5149
7¼	183	21¼	873	35¼	1764	49¼	2735	63¼	3695	77¼	4595	91¼	5156
7½	192	21½	888	35½	1781	49½	2753	63½	3712	77½	4564	91½	5163
7¾	202	21¾	902	35¾	1798	49¾	2770	63¾	3728	77¾	4577	91¾	5169
8	211	22	917	36	1815	50	2787	64	3744	78	4591	92	5176
8¼	221	22¼	932	36¼	1832	50¼	2805	64¼	3761	78¼	4604	92¼	5182
8½	231	22½	947	36½	1849	50½	2822	64½	3777	78½	4618	92½	5187
8¾	241	22¾	961	36¾	1866	50¾	2840	64¾	3794	78¾	4631	92¾	5193
9	251	23	976	37	1883	51	2857	65	3810	79	4644	93	5198
9¼	262	23¼	991	37¼	1900	51¼	2875	65¼	3826	79¼	4657	93¼	5202
9½	272	23½	1006	37½	1918	51½	2892	65½	3842	79½	4670	93½	5207
9¾	283	23¾	1021	37¾	1935	51¾	2910	65¾	3858	79¾	4683	93¾	5211
10	293	24	1036	38	1952	52	2927	66	3874	80	4696	94	5215
10¼	304	24¼	1052	38¼	1969	52¼	2945	66¼	3890	80¼	4709	94¼	5218
10½	315	24½	1067	38½	1986	52½	2962	66½	3906	80½	4721	94½	5220
10¾	326	24¾	1083	38¾	2003	52¾	2980	66¾	3921	80¾	4734	94¾	5223
11	337	25	1098	39	2020	53	2997	67	3937	81	4746	95	5225
11¼	349	25¼	1114	39¼	2023	53¼	3014	67¼	3953	81¼	4758	95¼	
11½	360	25½	1129	39½	2025	53½	3022	67½	3970	81½	4771	95½	
11¾	372	25¾	1145	39¾	2028	53¾	3049	67¾	3986	81¾	4783	95¾	
12	383	26	1160	40	2030	54	3066	68	4002	82	4795	96	
12¼	395	26¼	1176	40¼	2062	54¼	3083	68¼	4018	82¼	4807	96¼	
12½	407	26½	1192	40½	2095	54½	3101	68½	4034	82½	4819	96½	
12¾	418	26¾	1207	40¾	2127	54¾	3118	68¾	4049	82¾	4830	96¾	
13	430	27	1223	41	2159	55	3135	69	4065	83	4842	97	
13¼	442	27¼	1239	41¼	2176	55¼	3153	69¼	4081	83¼	4854	97¼	
13½	455	27½	1255	41½	2194	55½	3170	69½	4096	83½	4865	97½	
13¾	467	27¾	1270	41¾	2211	55¾	3188	69¾	4112	83¾	4877	97¾	
14	479	28	1286	42	2228	56	3205	70	4127	84	4888	98	

STATION # 8616

TANK CONVERSION CHART

REG

ADDRESS HWY I-5 & GRAPEVINE, LEBEC, CA 93243

Perkins Welding

MAXIMUM CAPACITY 9980 95" Dia. 325¼" Length

DIPSTICK READING (INCHES) TO GALLONS

Dipstick	Gallons	Dipstick	Gallons	Dipstick	Gallons	Dipstick	Gallons	Dipstick	Gallons	Dipstick	Gallons	Dipstick	Gallons
¼"	2	14¼	936	28¼	2489	42¼	4288	56¼	6155	70¼	7912	84¼	9358
½	7	14½	960	28½	2520	42½	4321	56½	6187	70½	7942	84½	9379
¾	12	14¾	987	28¾	2551	42¾	4355	56¾	6220	70¾	7971	84¾	9400
1	18	15	1008	29	2582	43	4389	57	6252	71	7996	85	9421
1¼	26	15¼	1036	29¼	2612	43¼	4423	57¼	6285	71¼	8030	85¼	9441
1½	34	15½	1060	29½	2643	43½	4455	57½	6318	71½	8059	85½	9461
1¾	43	15¾	1084	29¾	2674	43¾	4489	57¾	6351	71¾	8088	85¾	9482
2	51	16	1109	30	2705	44	4523	58	6383	72	8116	86	9501
2¼	62	16¼	1135	30¼	2735	44¼	4555	58¼	6416	72¼	8145	86¼	9520
2½	73	16½	1160	30½	2766	44½	4588	58½	6449	72½	8173	86½	9540
2¾	83	16¾	1185	30¾	2797	44¾	4622	58¾	6482	72¾	8201	86¾	9558
3	94	17	1210	31	2828	45	4656	59	6514	73	8229	87	9576
3¼	106	17¼	1236	31¼	2859	45¼	4674	59¼	6547	73¼	8257	87¼	9595
3½	119	17½	1262	31½	2889	45½	4722	59½	6579	73½	8285	87½	9613
3¾	132	17¾	1288	31¾	2921	45¾	4755	59¾	6610	73¾	8313	87¾	9632
4	144	18	1316	32	2953	46	4789	60	6642	74	8340	88	9649
4¼	158	18¼	1342	32¼	2976	46¼	4822	60¼	6675	74¼	8368	88¼	9666
4½	172	18½	1368	32½	3017	46½	4855	60½	6707	74½	8396	88½	9683
4¾	187	18¾	1394	32¾	3049	46¾	4888	60¾	6739	74¾	8425	88¾	9699
5	201	19	1421	33	3081	47	4922	61	6771	75	8452	89	9716
5¼	217	19¼	1443	33¼	3113	47¼	4956	61¼	6803	75¼	8479	89¼	9732
5½	232	19½	1474	33½	3145	47½	4990	61½	6835	75½	8506	89½	9748
5¾	247	19¾	1497	33¾	3177	47¾	5024	61¾	6867	75¾	8533	89¾	9763
6	264	20	1528	34	3209	48	5056	62	6899	76	8559	90	9779
6¼	281	20¼	1556	34¼	3241	48¼	5092	62¼	6931	76¼	8586	90¼	9793
6½	297	20½	1584	34½	3273	48½	5126	62½	6963	76½	8612	90½	9808
6¾	314	20¾	1612	34¾	3305	48¾	5158	62¾	6995	76¾	8638	90¾	9822
7	331	21	1640	35	3338	49	5191	63	7027	77	8665	91	9836
7¼	348	21¼	1667	35¼	3370	49¼	5225	63¼	7059	77¼	8692	91¼	9848
7½	367	21½	1695	35½	3402	49½	5258	63½	7091	77½	8718	91½	9861
7¾	385	21¾	1723	35¾	3434	49¾	5291	63¾	7122	77¾	8744	91¾	9874
8	404	22	1751	36	3466	50	5324	64	7153	78	8770	92	9886
8¼	422	22¼	1779	36¼	3498	50¼	5358	64¼	7184	78¼	8795	92¼	9897
8½	440	22½	1807	36½	3531	50½	5392	64½	7215	78½	8820	92½	9907
8¾	460	22¾	1835	36¾	3564	50¾	5425	64¾	7245	78¾	8846	92¾	9918
9	479	23	1864	37	3597	51	5458	65	7275	79	8871	93	9929
9¼	500	23¼	1892	37¼	3629	51¼	5491	65¼	7306	79¼	8896	93¼	9937
9½	519	23½	1921	37½	3662	51½	5525	65½	7337	79½	8920	93½	9946
9¾	539	23¾	1950	37¾	3695	51¾	5558	65¾	7368	79¾	8944	93¾	9954
10	560	24	1980	38	3728	52	5591	66	7398	80	8969	94	9962
10¼	580	24¼	2002	38¼	3760	52¼	5625	66¼	7429	80¼	8993	94¼	9968
10½	601	24½	2038	38½	3793	52½	5659	66½	7460	80½	9017	94½	9973
10¾	622	24¾	2068	38¾	3826	52¾	5692	66¾	7497	80¾	9041	94¾	9978
11	644	25	2098	39	3858	53	5725	67	7522	81	9065	95	9980
11¼	665	25¼	2127	39¼	3891	53¼	5758	67¼	7553	81¼	9090	95¼	
11½	686	25½	2149	39½	3924	53½	5791	67½	7584	81½	9113	95½	
11¾	708	25¾	2186	39¾	3957	53¾	5823	67¾	7614	81¾	9136	95¾	
12	729	26	2216	40	3991	54	5856	68	7644	82	9159	96	
12¼	753	26¼	2246	40¼	4024	54¼	5890	68¼	7674	82¼	9182	96¼	
12½	773	26½	2276	40½	4057	54½	5924	68½	7704	82½	9205	96½	
12¾	798	26¾	2306	40¾	4090	54¾	5956	68¾	7734	82¾	9227	96¾	
13	820	27	2336	41	4123	55	5989	69	7764	83	9249	97	
13¼	844	27¼	2366	41¼	4157	55¼	6023	69¼	7794	83¼	9272	97¼	
13½	867	27½	2388	41½	4190	55½	6056	69½	7824	83½	9294	97½	
13¾	891	27¾	2427	41¾	4222	55¾	6089	69¾	7853	83¾	9315	97¾	
14	915	28	2458	42	4255	56	6122	70	7882	84	9330	98	

STATION # 8616

TANK CONVERSION CHART

UL

ADDRESS HWY I-5 & GRAPEVINE, LEBEC, CA 93243

MAXIMUM CAPACITY 11,830

DIPSTICK READING (INCHES) TO GALLONS

Dipstick	Gallons	Dipstick	Gallons	Dipstick	Gallons	Dipstick	Gallons	Dipstick	Gallons	Dipstick	Gallons	Dipstick	Gallons
¼"		14¼	1125	28¼	3000	42¼	5150	56¼	7350	70¼	9425	84¼	11125
½		14½	1150	28½	3025	42½	5175	56½	7400	70½	9450	84½	11150
¾		14¾	1200	28¾	3050	42¾	5200	56¾	7425	70¾	9475	84¾	11175
1		15	1225	29	3100	43	5250	57	7450	71	9500	85	11200
1¼		15¼	1250	29¼	3125	43¼	5300	57¼	7500	71¼	9550	85¼	11225
1½		15½	1300	29½	3150	43½	5350	57½	7550	71½	9600	85½	11250
1¾		15¾	1325	29¾	3200	43¾	5375	57¾	7575	71¾	9625	85¾	11275
2		16	1350	30	3250	44	5400	58	7600	72	9650	86	11300
2¼		16¼	1375	30¼	3275	44¼	5450	58¼	7650	72¼	9670	86¼	11316
2½	100	16½	1400	30½	3300	44½	5500	58½	7700	72½	9725	86½	11334
2¾	112	16¾	1450	30¾	3350	44¾	5550	58¾	7750	72¾	9750	86¾	11350
3	125	17	1475	31	3400	45	5575	59	7800	73	9800	87	11375
3¼	138	17¼	1500	31¼	3450	45¼	5600	59¼	7825	73¼	9825	87¼	11400
3½	150	17½	1550	31½	3475	45½	5650	59½	7850	73½	9850	87½	11425
3¾	175	17¾	1575	31¾	3500	45¾	5675	59¾	7900	73¾	9900	87¾	11450
4	200	18	1600	32	3550	46	5700	60	7925	74	9925	88	11466
4¼	212	18¼	1625	32¼	3600	46¼	5750	60¼	7950	74¼	9950	88¼	11484
4½	225	18½	1650	32½	3625	46½	5800	60½	8000	74½	10000	88½	11500
4¾	238	18¾	1675	32¾	3650	46¾	5850	60¾	8050	74¾	10025	88¾	11525
5	250	19	1700	33	3700	47	5900	61	8100	75	10050	89	11550
5¼	275	19¼	1725	33¼	3750	47¼	5950	61¼	8125	75¼	10075	89¼	11566
5½	300	19½	1750	33½	3775	47½	6000	61½	8150	75½	10100	89½	11584
5¾	316	19¾	1800	33¾	3800	47¾	6025	61¾	8200	75¾	10150	89¾	11600
6	334	20	1850	34	3850	48	6050	62	8250	76	10200	90	11616
6¼	350	20¼	1875	34¼	3900	48¼	6075	62¼	8300	76¼	10225	90¼	11634
6½	375	20½	1900	34½	3950	48½	6100	62½	8325	76½	10250	90½	11650
6¾	400	20¾	1925	34¾	3975	48¾	6150	62¾	8350	76¾	10275	90¾	11666
7	416	21	1950	35	4000	49	6200	63	8400	77	10300	91	11684
7¼	434	21¼	2000	35¼	4050	49¼	6250	63¼	8425	77¼	10325	91¼	11700
7½	450	21½	2025	35½	4100	49½	6300	63½	8450	77½	10350	91½	11712
7¾	475	21¾	2050	35¾	4125	49¾	6325	63¾	8500	77¾	10400	91¾	11725
8	500	22	2100	36	4150	50	6350	64	8550	78	10425	92	11738
8¼	525	22¼	2125	36¼	4200	50¼	6400	64¼	8575	78¼	10450	92¼	11750
8½	550	22½	2150	36½	4250	50½	6450	64½	8600	78½	10500	92½	11760
8¾	575	22¾	2200	36¾	4275	50¾	6475	64¾	8650	78¾	10525	92¾	11770
9	600	23	2250	37	4300	51	6500	65	8700	79	10550	93	11780
9¼	625	23¼	2300	37¼	4350	51¼	6550	65¼	8725	79¼	10575	93¼	11790
9½	650	23½	2325	37½	4400	51½	6600	65½	8750	79½	10600	93½	11800
9¾	675	23¾	2350	37¾	4425	51¾	6650	65¾	8800	79¾	10650	93¾	11806
10	700	24	2400	38	4450	52	6675	66	8825	80	10675	94	11812
10¼	725	24¼	2425	38¼	4500	52¼	6700	66¼	8850	80¼	10700	94¼	11818
10½	750	24½	2450	38½	4550	52½	6750	66½	8900	80½	10725	94½	11824
10¾	775	24¾	2500	38¾	4575	52¾	6775	66¾	8950	80¾	10750	94¾	11830
11	800	25	2525	39	4600	53	6800	67	8975	81	10775	95	
11¼	825	25¼	2550	39¼	4650	53¼	6850	67¼	9000	81¼	10800	95¼	
11½	850	25½	2600	39½	4700	53½	6900	67½	9050	81½	10825	95½	
11¾	875	25¾	2650	39¾	4750	53¾	6950	67¾	9075	81¾	10850	95¾	
12	900	26	2675	40	4800	54	7000	68	9100	82	10900	96	
12¼	925	26¼	2700	40¼	4850	54¼	7025	68¼	9150	82¼	10925	96¼	
12½	950	26½	2750	40½	4875	54½	7050	68½	9200	82½	10950	96½	
12¾	975	26¾	2775	40¾	4900	54¾	6100	68¾	9225	82¾	10975	96¾	
13	1000	27	2800	41	4950	55	6150	69	9250	83	11000	97	
13¼	1025	27¼	2850	41¼	5000	55¼	7200	69¼	9275	83¼	11025	97¼	
13½	1050	27½	2900	41½	5025	55½	7250	69½	9300	83½	11050	97½	
13¾	1075	27¾	2925	41¾	5050	55¾	7275	69¾	9350	83¾	11075	97¾	
14	1100	28	2950	42	5100	56	7300	70	9400	84	11100	98	

Employer Identification No. Service Station No. A022-8616

MANPOWER AGREEMENT

THIS AGREEMENT, made as of the **4th** day of **September, 1986**, by and between CHEVRON U.S.A. INC., a corporation ("Company"), and **Compu-Plan Management Services, Inc.**, a corporation ("Contractor"),

WITNESSETH:

Whereas Company owns and operates a motor fuel dispensing facility located at **Hwy. I-5 and Hwy. 99, Lebec, CA 93243** , and shown on the drawing attached hereto as Exhibit A (the "premises");

Whereas Company wishes to employ Contractor to provide Contractor's employees to collect payment from motorists and to perform certain other services in connection with the conduct by Company of its business at the premises; and

Whereas Contractor wishes to accept such employment;

Now, Therefore, the parties hereto agree as follows:

1. Effective date.

This agreement shall become effective **September 17, 1986**, and shall continue in effect until terminated in accordance with section 10 hereof.

2. Work to be done.

Contractor agrees to provide personnel to perform the services described in Exhibit B hereto (the "Work"). All such personnel shall be the employees of Contractor. All such Work shall comply with all applicable Federal, state and local laws and regulations, shall meet with the approval of Company and shall be performed in accordance with such procedures as Company may from time to time establish. Company shall have the right to direct and control all personnel furnished by Contractor in the manner and method of performing the Work. Contractor shall insure that the personnel provided for the Work are properly qualified. Training shall be the responsibility of Contractor. If Company notifies Contractor that it considers the performance of any of Contractor's employees in connection with the Work to be unsatisfactory, Contractor shall promptly relieve such employee of any responsibility for the Work and shall replace such employee with another.

3. Compensation of Contractor.

Company's motor fuel dispensing facility (and car wash, if any) on the premises shall be open for business for those hours and days specified in Exhibit C hereto. The number of Contractor's employees and the hours that shall be allocated to the Work are specified in Exhibit C. As Contractor's sole compensation hereunder, Company shall pay Contractor for the services provided by Contractor's employees at the rate of **$ 8.18** per hour (the "billing rate").

If it is necessary to cease normal operations on the premises for reasons beyond the reasonable control of Contractor during an eight-hour shift, whether caused by motor fuel shortage, power failure, strike by anyone other than the employees of Contractor, act of God, safety or health hazzard, or natural disaster, Company shall compensate Contractor at the billing rate for the entire shift.

If at any time Company elects (for reasonable business reasons) not to operate the motor fuel dispensing facility (and car wash, if any) on the premises, then, upon written notice from Company to this effect, Contractor shall cease to furnish its employees and Company shall not be required to pay Contractor for any services hereunder during such time as operations on the premises are shut down. Upon written notification by Company of the resumption of operations on the premises, Contractor shall resume furnishing its employees, and Company shall resume payments to Contractor as provided in this agreement.

Company shall issue checks to Contractor for services rendered on a weekly basis. Company shall have the right to set off any sums owed by Contractor to Company (whether or not arising hereunder) against any sums due from Company to Contractor hereunder.

At the request of Contractor, representatives of Company and Contractor shall meet and discuss possible changes in the billing rate specified herein to reflect increases in Contractor's pay scale to Contractor's employees and shall negotiate in good faith regarding any adjustments in the billing rate proposed by Contractor. If Company and Contractor are unable to reach agreement regarding the adjustments proposed by Contractor, Contractor may exercise its right pursuant to section 10 hereof to terminate this agreement upon 60 days' prior written notice to Company. The billing rate previously in effect hereunder shall continue to apply during such 60-day period.

4. Contractor's employees.

Contractor shall, at Contractor's own expense so long as this agreement is in effect, maintain full Workmen's Compensation Insurance and Employer's Liability Insurance covering all persons employed by or working for Contractor in connection with the performance of this agreement. Such insurance shall contain a provision that the insurance company shall have no right of subrogation against Company, Company's parent company, Chevron Corporation, or the subsidiary and affiliated companies of each of them (collectively "Company and its affiliates"). Such insurance shall also carry an Alternate Employer Endorsement naming Company and its affiliates as alternate employers. Contractor, upon request, shall furnish Company with satisfactory evidence of the maintenance of such insurance.

In the performance of this agreement, Contractor shall comply with all Federal, state and local labor laws, regulations and orders. Contractor shall pay, when due, to all personnel provided by it for the Work hereunder, all salaries, wages, fringe benefits and other forms of compensation and reimbursement payable as a result of the Work. Contractor shall withhold and pay over to the appropriate authorities in a timely manner all Federal, state and local personal income and other payroll taxes (including contributions or taxes assessed against employees) payable with respect to such compensation. Contractor accepts exclusive liability for all contributions required under Federal Social Security Laws and State Unemployment Compensation Laws or other payments under any laws of similar character as to all persons employed by and working for Contractor. Contractor shall in a timely manner make all reports concerning such personnel required by governmental authorities.

Contractor's employees shall not be entitled to receive any benefits under any employee benefit plan or program of any kind maintained by Company or its affiliates for their employees. Regardless whether Contractor's employees may be deemed to be employees of Company or its affiliates for any other purpose, Contractor's employees shall not be considered to be employees of Company or its affiliates for purposes of any such benefit plan or program.

Company, from time to time, may require Contractor to furnish evidence satisfactory to Company that Contractor has complied with the provisions of this section 4. Contractor shall indemnify, defend and hold harmless Company and its affiliates, and their respective directors, officers, agents and employees, from and against any and all expense, liability and claims, including but not limited to taxes, penalties and interest, resulting from Contractor's failure to comply with the provisions of this section 4.

The personnel provided by the Contractor for the Work shall, for purposes of Worker's Compensation laws, be Company's special employees and Contractor's general employees. Contractor shall inform all personnel provided to perform the Work of their special employment relationship with Company and the requirement that the Work be performed in accordance with standards specified by Company from time to time. Before any such person begins work pursuant to this agreement, Contractor shall obtain from each individual a signed copy of a special employee acknowledgement in the form attached hereto as Exhibit D and maintain all such acknowledgements in Contractor's files, providing any or all to Company at Company's request.

5. Accounting by Contractor.

Company shall maintain at the premises such quantities of motor fuels as Company may in its sole discretion determine. Contractor shall notify Company when stocks of such motor fuels need to be replenished in such manner as Company may from time to time direct. Title to such motor fuels shall remain in Company until such motor fuels are sold to motorists for Company's account, when title shall pass directly from Company to the motorist. All sales of Company motor fuels (and of car wash services, if any) shall be at retail prices determined by Company. The entire proceeds of all sales of Company motor fuels (and of car wash services, if any), both cash and credit card invoices, are the property of Company. No products other than Company motor fuels (and any authorized car wash services) shall be offered for sale on the premises except as expressly authorized in writing by Company. Contractor shall account to Company for sales of Company motor fuels (and of any car wash services) as set forth in Exhibit B. Contractor shall not be responsible for any loss of Company's motor fuels, cash, credit card invoices or other property at the premises due to theft, robbery or burglary; unless the robber, burglar or thief is an employee of Contractor or is acting in concert with an employee of Contractor, or unless due to the negligence of Contractor or its employees in performing the Work, in which event Contractor shall promptly reimburse Company for any such loss.

6. Company's motor fuel dispensing facility.

Company shall obtain and maintain any and all necessary governmental permits and licenses required or necessary for the operation on the premises of a motor fuel dispensing facility (and car wash, if any). Company shall pay any and all real or personal property taxes which may be assessed with respect to the premises or the storage or sale of Company motor fuels at the premises. Company shall be responsible for all charges for gas, electricity, water, sewerage and other services or utilities used in or consumed on the premises.

Except for the routine maintenance and minor repairs included within the Work, Company shall at all times maintain the premises and all improvements and equipment located thereon in good and safe condition in compliance with all applicable Federal, state and local laws and regulations relevant to the maintenance and operation of the premises. Upon being notified by Contractor that any part of the premises or any of Company's facilities are in need of repair, Company shall promptly repair or replace the same. Such repair or replacement shall be made at no cost to Contractor, unless such repair or replacement is necessitated by the negligence or intentional misconduct of Contractor or its employees, in which event Contractor shall promptly reimburse Company for the cost of such repair or replacement.

Contractor and Contractor's employees shall exercise all reasonable care to preserve and protect the premises, Company's facilities, motor fuels and other property located on or stored at the premises and any property of Company, which may be located in any convenience store operated by Contractor adjacent to the premises (any such adjacent convenience food store being shown on Exhibit A), including but not limited to Company's console and other equipment (if any) controlling the motor fuel pumps on the premises (collectively "Company's property"), from injury, harm or loss. Contractor shall not be responsible for any casualty to or loss of any of Company's property, except to the extent such casualty or loss is the result of the negligence or intentional misconduct of Contractor or its employees. Contractor shall promptly reimburse Company for any

injury, harm or loss to Company's property occasioned in whole or in part by the negligence or intentional misconduct of Contractor or its employees.

7. Indemnity.

Company shall indemnify, defend and hold harmless Contractor, its directors, officers, agents and employees, from and against all expense, liability and claims for damage to property or injury or death of persons (other than Contractor's employees) directly or indirectly resulting, or alleged to result, from anything occurring from any cause on or about or in connection with the sale of motor fuels at the premises, or the maintenance, upkeep, repair, replacement or operation of the premises, or anything located thereon, except to the extent such expense, liability or claim is the result of the negligence or intentional misconduct of Contractor or its employees.

Contractor shall indemnify, defend and hold harmless Company and its affiliates, and their respective directors, officers, agents and employees, from and against all expense, liability and claims for damage to property (including Contractor's property) or injury or death of persons (including Contractor's employees) directly or indirectly resulting, or alleged to result, from the negligence or intentional misconduct of Contractor or its employees.

8. Conflicts of interest.

No director, employee or agent of Contractor shall give or receive any commission, fee, rebate, gift or entertainment of significant cost or value, or enter into any business arrangement with any director, employee or agent of Company or its affiliates, other than as a representative of Company or its affiliates, without prior written notification thereof to Company. Any representatives authorized by Company may audit any and all records of Contractor for the purpose of determining whether there has been compliance with this section 8.

9. Federal regulations.

Contractor shall comply with Executive Order 11246, as amended by Executive Order 11375, and the rules and regulations issued thereunder, which are hereby incorporated by reference as appropriate. Upon execution of this agreement, Contractor shall sign and furnish to Company a Certificate of Nonsegregated Facilities in the form of Exhibit E hereto.

Regulations issued under the Rehabilitation Act of 1973 in Title 41, Chapter 60, Part 60-741 of the Code of Federal Regulations are incorporated herein by reference unless this agreement is exempted by Federal law, rules, regulations or orders of the Secretary of Labor issued pursuant to said Rehabilitation Act of 1973.

The regulations issued under the Vietnam Era Veterans' Readjustment Assistance Act of 1974 in Title 41, Chapter 60, Part 60-250 of the Code of Federal Regulations are incorporated herein by reference unless this agreement is exempted by Federal law, rules, regulations or orders of the Secretary of Labor issued pursuant to said Vietnam Era Veterans' Readjustment Assistance Act of 1974.

10. Termination.

Either party hereto may terminate this agreement without cause at any time by giving the other party 60 days' prior written notice of such termination.

Upon the happening of any of the following, Company or Contractor may, at its option without any further notice or demand, and in addition to any other rights and remedies given hereunder or by law, have the right to terminate this agreement forthwith by giving written notice of termination to the other party:

(a) The other party by act or omission breaches or defaults on any other covenant, condition or provision of this agreement, which breach or default can be cured and such party fails to cure such breach or default within 10 days after written notice by the other party; or

(b) The other party by act or omission breaches or defaults on any covenant, condition or provision of this agreement, which breach or default cannot be cured, or in the event of any breach or default by either party after notice of two previous breaches or defaults of any kind has been given hereunder regardless whether the party involved cured such previous breaches or defaults; or

(c) The premises or a substantial portion thereof are destroyed or taken by eminent domain (the filing of an eminent domain action shall be deemed a taking), or should the operation of the premises as a motor fuel dispensing facility (and car wash, if applicable) be prevented by any law, ordinance or act of lawful authority.

Upon the happening of any of the following, Company may, at its option without any further notice or demand, and in addition to any other rights and remedies given hereunder or by law, have the right to terminate this agreement forthwith by giving written notice of termination to Contractor:

(a) An unreasonable level of unexplained motor fuel inventory losses in any 30-day period; or

(b) An unreasonable level of losses or shortages of motor fuels caused by customers who depart the premises without paying in any 30-day period.

(c) Failure to comply with Company's cash handling procedures.

Waiver by either party of one or more breaches or defaults hereunder shall not be deemed to be a waiver of any other or continuing breach or default hereunder. Termination of this agreement shall not relieve any party of responsibility for obligations incurred prior to termination.

11. Underlying Estates

Company's interest in the premises is or may be a leasehold estate derived from a third party whose interest in the premises may or may not be of record. If Company's underlying ground lease is terminated in any manner by either party thereto, Company may terminate this agreement upon giving Contractor thirty (30) days' prior written notice of such termination or, if it would not be practical for Company to give thirty (30) days' prior written notice, at Company's election upon giving Contractor prior written notice for such lesser period as is reasonable in the circumstances. Company shall in no way be liable to Contractor for any such termination, whether voluntary or involuntary.

12. Notices.

All written notices to be given under this agreement shall be posted by certified mail or personally delivered to the other party at the address set forth below, or at such other addresses as either party may designate by written notice to the other. Any such notice shall be deemed received when deposited in the United States mail with postage fully prepaid thereon or when personally delivered.

Company:	Contractor:
CHEVRON USA, INC. **2 Annabel Lane, Suite 200** **San Ramon, CA 94583**	**Compu-Plan Management Services, Inc.** **128 Chester Ave., Ste. C** **Bakersfield, CA 93304**

13. General

This agreement is personal to Contractor and Contractor shall not assign any rights or delegate any duties that Contractor may have under this agreement, either voluntarily, involuntarily or by operation of law, or otherwise, without the prior written consent of Company. Any sale, conveyance, alienation, transfer or other change of interest in or title to beneficial ownership of 50 percent or more of the voting stock (or securities convertible into 50 percent or more of the voting stock) of Contractor, either voluntarily, involuntarily, by operation of law, merger or other corporate proceeding, or otherwise, shall be construed as an assignment of Contractor's rights hereunder. In the event of litigation between the parties hereto with regard to the subject matter hereof, the prevailing party shall be entitled to recover its costs and expenses of suit, including reasonable attorneys' fees, in connection therewith. The captions and headings throughout this agreement are for convenience of reference only, and the words contained therein shall in no way be held or deemed to define, limit, describe, explain or modify the meaning of any provision, the scope or intent of this agreement. As of its effective date, this agreement supersedes and terminates any and all prior agreements or understandings between Company and its affiliates and Contractor with regard to premises. This agreement constitutes the entire agreement between Company and Contractor with regard to the subject matter hereof including Exhibits A through E which are made a part of this agreement.

IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the date first hereinabove set forth.

CHEVRON U.S.A. INC.

By _____
Company

Compu-Plan Management Services, Inc.

By _____

By _____

Contractor

MS--9359E (2/86)

EXHIBIT A

MOTOR FUEL DISPENSING FACILITY DIAGRAM

Drawing showing the premises (clearly delineate the premises from any adjacent convenience store):

Service Station No. **A022-8616**

CONVENIENCE STORE LEASE

THIS LEASE, made as of the **4th** day of **September**, 19 **86**, by and between CHEVRON U.S.A. INC., a corporation ("Landlord"), and **Compu-Plan Management Services, Inc.**, a corporation ("Tenant"),

W I T N E S S E T H:

That in consideration of the rents to be paid hereunder and covenants and agreements herein contained and to be performed, the parties hereto agree as follows:

1. Leased premises.

Landlord does hereby lease to Tenant, and Tenant does hereby lease from Landlord, that certain convenience store shown in the drawing attached hereto as Exhibit A located at **Hwy. I-5 and Hwy. 99, Lebec, CA 93243**, together with those convenience store fixtures listed in Exhibit B hereto (such store and fixtures being sometimes hereinafter collectively referred to as the "leased premises").

2. Term.

Subject to the earlier termination of this lease pursuant to section 11 hereof, the term of this lease shall be for a period of three (3) years and shall commence on **September 17, 1986**, and shall end on **February 29**, 19 **88**.

3. Use of leased premises.

(a) Tenant shall use the leased premises only for the purpose of operating a convenience food store. As used herein "convenience food store" means a grocery store of the type commonly called a convenience store, which specializes in a limited line of fast-moving groceries, beverages and sundries and emphasizes fast service for customers purchasing a limited number of items. Tenant shall stock the leased premises with merchandise suitable and useful for the operation of such business and shall maintain the leased premises at all times so as to project an image to the public of a convenience food store of the highest quality. Tenant shall operate the premises in a first-class manner and in a manner comparable to any other convenience food stores operated by Tenant in the vicinity of the premises. Tenant shall not place signs or other advertising devices, electrical or nonelectrical, upon, and which are visible from, the exterior leased premises, without the prior written consent of Landlord. Landlord shall not unreasonably withhold its consent to the installation and maintenance of signs identifying Tenant's business.

Tenant shall operate the premises in compliance with all applicable Federal, state and local laws. Landlord does represent or warrant that the premises may lawfully be used as a convenience food store, and Tenant shall be solely responsible for obtaining and maintaining any and all necessary licenses, permits, governmental approvals or variances which may be required in order to operate a convenience food store on the premises. In the operation of Tenant's business on the premises, Tenant shall not utilize any of the trademarks, service marks or trade names utilized by Landlord or use any other identification, designation or marking of any kind at the premises which would identify the convenience food store or the products sold thereat with Landlord. Except as may otherwise be agreed in writing between Landlord and Tenant, Tenant shall keep the leased premises open for business and continuously operate the premises as a convenience food store during the following hours:

24 Hrs. a.m. to	p.m. each Monday,*
24 Hrs. a.m. to	p.m. each Tuesday,*
24 Hrs. a.m. to	p.m. each Wednesday,*
24 Hrs. a.m. to	p.m. each Thursday,*
24 Hrs. a.m. to	p.m. each Friday,*
24 Hrs. a.m. to	p.m. each Saturday, and*
24 Hrs. a.m. to	p.m. each Sunday.*

***Note: Full Service 14 Hours Per Day.**

(b) Tenant shall not, without Landlord's prior written consent, permit the leased premises to be used for:

(1) The sale of garden supplies; or

(2) The sale of any alcoholic beverages except beer or wine; or

(3) The sale of lottery tickets; or

(4) The sale of adult magazines featuring nudity; or

(5) The sale or rental of adult magazines, movies, video tapes or similar items featuring nudity; or

(6) Automatic teller machines, pay phones, video games, pinball machines,vending machines or any similar device; or

(7) Sales, services or other revenue producing activities not normally offered at convenience food stores (normal sales and services being enumerated in subsection (a) above); or

(8) Any other activity of a type that might conflict with the effective operation of the leased premises as a convenience food store.

4. Rent.

(a) Throughout the term of this lease, Tenant shall pay Landlord the following minimum monthly rent (the "fixed rent"): **$150.00**. The fixed rent shall be paid by Tenant to Landlord in advance on or before the first (1st) day of each calendar month during the term hereof. The fixed rent shall be prorated for any period less than a calendar month included within the term hereof.

(b) In addition to the fixed rent, Tenant shall pay to Landlord with respect to each calendar quarter during the term hereof a sum (the "percentage rent") equal to the amount (if any) by which 8 percent of Tenant's "adjusted gross sales" (as hereinafter defined) for the calendar quarter exceeds the amount of fixed rent paid by Tenant to Landlord in respect of such calendar quarter. The percentage rent shall be paid by Tenant to Landlord on or before the forty-fifth (45th) day following the end of such quarter.

(c) As used in this lease, the term "adjusted gross sales" shall mean the gross amount (rounded to the nearest dollar) received or to be received from all sales, both cash and on credit, made on or from the leased premises by Tenant, from which gross amount there shall be deducted or excluded (i) refunds and allowances made to customers by Tenant in connection with merchandise sold by or returned to Tenant and (ii) sales or excise taxes on sales included in adjusted gross sales payable by Tenant to the taxing authority imposing such taxes.

(d) Tenant shall keep current and accurate records of all sales, charges for services and other transactions affecting the computation of its adjusted gross sales, in accordance with usual accounting procedures applicable to the type of business conducted on the leased premises by Tenant. All such records shall be maintained by Tenant for at least two (2) years following their preparation. Tenant shall furnish Landlord at the time percentage rent is paid pursuant to subparagraph (b) above, a statement showing the adjusted gross sales made by Tenant during the applicable period. Each such statement shall be certified as accurate by an authorized officer of Tenant.

(e) Landlord and its authorized representatives shall have the right, at all reasonable times, to examine Tenant's books and records pertaining to the business conducted by Tenant on the leased premises. Landlord may at any reasonable time cause an audit of Tenant's business to be made by a representative of Landlord. If any statement of adjusted gross sales previously given to Landlord by Tenant shall be found by such audit to understate, by three percent (3%) or more, Tenant's adjusted gross sales for the period covered by such statement, Tenant shall immediately pay the cost of such audit to Landlord; otherwise the cost of such audit shall be paid by Landlord. Immediately after such audit, Tenant shall pay Landlord any additional percentage rent thereby shown to be due, and Landlord shall refund to Tenant any overpayment of percentage rent thereby shown to have been paid.

5. Tenant's trade fixtures.

(a) Tenant may at Tenant's sole cost and expense, install on the leased premises, subject to Landlord's prior written consent, those necessary and useful trade fixtures for the operation of a convenience store (hereinafter referred to as "Tenant's trade fixtures") which upon consent of Landlord shall be identified in Exhibit C hereto. All such installation shall be done in accordance with plans previously approved by Landlord. Once installed Tenant shall use, maintain in good working order and replace if necessary with equivalent trade fixtures subject to Landlord's approval, all Tenant's trade fixtures. Tenant shall comply with all applicable Federal, state and local laws and regulations relevant to the use and operation of Tenant's trade fictures, and any additions, alterations, rearrangements or improvements thereto which may be required thereby shall be provided by Tenant at Tenant's sole cost and expense. If at any time Tenant's trade fixtures are either partially or wholly destroyed, Tenant shall promptly, repair or replace the same with equivalent fixtures satisfactory to Landlord. During the term hereof, Tenant shall not remove, suffer or permit Tenant's trade fixtures, or any part thereof, to be removed from the leased premises without Landlord's prior written consent. Tenant shall not sell, contract to sell, lease transfer, mortgage, grant a security interest in or otherwise encumber Tenant's trade fixtures or any part thereof, without Landlord's prior written consent.

Tenant shall pay when due all existing liens or encumbrances on and all taxes and assessments now or hereafter imposed on or affecting Tenant's trade fixtures. Except as provided in subsection (b) of this section 5, upon termination of this lease by expiration or otherwise, Tenant shall, at Tenant's sole cost and expense, remove from the leased premises Tenant's trade fixtures and all other personal property owned by Tenant thereon and repair all damage to the leased premises resulting from such removal.

(b) Upon termination of this lease by expiration or otherwise, Tenant shall, subject to the conditions set forth below, have the right to require Landlord to purchase Tenant's trade fixtures for a price equal to the original estimated cost thereof as set forth in Exhibit C hereto less one seventy-second (1/72) of such cost for each month since the installation date as set forth in Exhibit C hereto. Landlord shall have an obligation to purchase Tenant's trade fixtures hereunder only if (1) Tenant's trade fixtures are transferred to Landlord free and clear of all encumbrances, (2) Tenant's trade fixtures have been properly maintained in accordance with this lease, (3) Tenant notifies Landlord in writing prior to the termination of this lease of Tenant's election to require Landlord to purchase Tenant's trade fixtures, (4) Tenant surrenders possession of the leased premises and Tenant's trade fixtures to Landlord upon such termination, and (5) the sale of Tenant's trade fixtures is completed concurrently with such terminatiion.

6. Maintenance of leased premises.

(a) Tenant has examined and inspected and knows the condition of the leased premises and every part thereof and has received the same in good order and repair and accepts the same in their present condition. Except for Tenant's right to require Landlord to make certain major repairs to the leased premises as set forth in subsection (b) of this section 6, Tenant shall, throughout the term of this lease, at its sole cost and expense, maintain the leased premises and every part thereof, in good and sanitary order, and in a condition fit for Tenant's occupancy and shall repair all subsequent dilapidations of the leased premises which, if unrepaired, would render the same untenantable.Without limitation on the generality of the foregoing, Tenant shall perform the maintenance and repairs specified in Exhibit D hereto. If Tenant fails to make any necessary repairs, then, in addition to its other remedies, Landlord may make such repairs and Tenant shall on demand pay Landlord the reasonable cost thereof. Tenant shall not make any additions, alterations, rearrangements or improvements to the leased premises, or any property thereon, or remove any such property therefrom, without Landlord's prior written consent except as provided by section 5(a). Tenant shall keep the leased premises free and clear from any liens arising out of work performed, materials furnished or obligations incurred by or for Tenant.

(b) Upon resonable notice by Tenant to Landlord, Landlord agrees (except where occasioned by the negligence or willful misconduct of Tenant's agents or employees) to make all major repairs to and to replace when necessary only the following listed facilities and equipment owned or supplied by Landlord: heating, air conditioning and evaporative and refrigerative coolers; fire extinguishers; exterior painting; paving and driveways; piping; signs; wiring; roofs, plumbing, walls, fences and foundations of buildings. Tenant shall immediately discontinue the use of any such facilities or equipment needing repair or replacement to the extent necessary to make the repair or replacement and where necessary to preserve a safe and healthy environment. Landlord shall endeavor to cause such work to be done in a manner so as to minimize interference with the operation of Tenant's business on the leased premises. Tenant shall not be responsible for the payment of any rent to Landlord for the period when such work makes it impractical for tenant to operate a convenience food store on the leased premises, but Landlord shall not be responsible for any sales or profits lost by Tenant as a result of such interruption of Tenant's business.

7. Rights of access.

(a) Landlord is currently engaged in the business of selling motor fuels to motorists on Landlord's property indicated on Exhibit A hereto (the "adjacent premises") adjacent to the leased premises. During the term hereof, Tenant shall have the right of unimpeded ingress and egress to and from the leased premises across such portion of the adjacent premises as Landlord may from time to time reasonably designate.

(b) At all times during the term hereof, Landlord shall have the right to keep and maintain on the leased premises in its present location Landlord's console and other equipment controlling the motor fuel pumps on the adjacent premises, and Landlord and its designated representatives shall have the right to enter upon the leased premises at any time to operate and maintain such console and other equipment and to collect payment from motorists for motor fuels sold from the adjacent premises.

(c) If there are rest rooms on the leased premises which are generally open to the public, Tenant shall at all times during the term of this lease permit Landlord's designated representatives and motorists patronizing the adjacent premises to have access to and to utilize such rest rooms without charge.

(d) Landlord and its designated representatives shall have the right at any time to enter upon the leased premises to perform Landlord's obligations and to exercise Landlord's rights hereunder and to confirm the performance by Tenant of Tenant's obligations under this lease.

8. Utilities and Taxes.

(a) Landlord shall pay, promptly and directly, or reimburse Tenant for, all charges and rentals for gas, electricity, water, sewerage and other services or utilities used in or consumed on the leased premises, except that all charges and rentals for telephone services shall be paid by Tenant.

(b) Landlord shall pay all taxes on the real estate and Landlord's personal property, equipment and fixtures located on the leased premises and Tenant shall pay all taxes on Tenant's own personal property, equipment and fixtures located on the leased premises.

9. Indemnity.

Tenant shall indemnify, defend and hold harmless Landlord, Landlord'sparent company, Chevron Corporation, the subsidiary and affiliated companies of each of them (collectively "Landlord and its affiliates") and their respective directors, officers, agents and employees, from and against all expense, liability and claims for damage to property (including tenant's property) or injury to or death of persons (including Tenant's employees), directly or indirectly resulting, or alleged to result from anything occurring from any cause on or about or in connection with the maintenance, upkeep, repair, replacement or operation of the leased premises or anything located thereon unless due to the sole negligence of Landlord in performing or failing to perform its obligations hereunder.

10. Insurance

(a) Tenant shall maintain, at Tenant's own expense during the term hereof, insurance with respect to Tenant's business, the leased premises and all activities on the leased premises of the types and in the minimum amounts described generally as follows:

(1) Comprehensive General Liability Insurance (bodily injury and property damage) of not less than $500,000 combined single limit per occurrence, including explosion hazard, personal injury, premises-operations, products and completed operations, liquor liability, blanket contractual and independent contractorsliability coverages;

(2) Business Automobile Liability Insurance (bodily injury and property damage) of not less than $500,000 combined single limit per occurrence on all owned, non-owned and hiredvehicles; and

(3) Excess liability insurance of not less than $1,000,000 per occurrence in excess of the insurance required under (1) and (2) above, affording not less than the same coverage and including personal injury and property damage coverage.

(b) The insurance required above shall include Landlord and its affiliates as additional insureds except with regard to occurrences that are the result of their sole negligence.

(c) The insurance required above shall provide that it is primary coverage with respect to Tenant, Landlord and all other additional insureds.

(d) The insurance required above shall provide that no cancellation or material change in any policy shall become effective except upon thirty (30) days' prior written notice to Landlord.

(e) The insurance companies shall have no recourse against Landlord, or any other additional insured, for payment of any premiums or assessments under any policy issued by a mutual insurance company.

(f) Tenant shall furnish certificates satisfactory to Landlord as evidence that the insurance required above is being maintained.

(g) Tenant shall be responsible for all deductibles in all of Tenant's insurance policies.

(h) Tenant's indemnity and other obligations shall not be limited by the foregoing insurance requirements.

11. Default and termination.

(a) Either party may terminate this lease at any time without cause by giving the other party sixty (60) days' prior written notice of such termination.

(b) Each of the following events shall constitute an event of default under this lease:

(1) Tenant shall fail or omit to pay any rent or any other sum payable hereunder and such failure or ommission continues for a period of ten (10) days after written notice by Landlord;

(2) Landlord or Tenant by act or omission breaches or defaults on any other covenant, condition or provision of this lease, which breach or default can be cured and such party fails to

cure such breach or default within ten (10) days after written notice by the other party; or

(3) Landlord or Tenant by act or omission breaches or defaults on any covenant, condition or provision of this lease which breach or default cannot be cured, or in the event of any breach or default by Landlord or Tenant after notice of two previous breaches or defaults of any kind has been given hereunder regardless whether the party involved cured such previous breaches or defaults.

(c) Upon the happening of any event of default, the nondefaulting party may, at its option without any further notice or demand, and in addition to any other rights and remedies given hereunder or by law, have the right to terminate this lease forthwith by giving written notice of termination to the other party.

(d) Waiver by Landlord or Tenant of one or more breaches or defaults hereunder shall not be deemed to be a waiver of any other or continuing breach or default hereunder. The subsequent acceptance of rent hereunder by Landlord shall not be deemed to be a waiver of any preceding breach or default by Tenant regardless of Landlord's knowledge of such preceding breach or default at the time of acceptance of such rent. No waiver of any provision of this lease by Landlord or Tenant shall be deemed to have been made unless and until such waiver shall have been reduced to writing and executed by the waiving party. Termination of this lease shall not relieve any party of responsibility for obligations incurred prior to termination.

12. Destruction or condemnation.

If the leased premises or a substantial portion thereof are destroyed or taken by eminent domain (the filing of an eminent domain action shall be deemed a taking), or should the operation of the leased premises as a convenience food store be prevented by any law, ordinance or act of lawful authority, either party may terminate this lease upon ten (10) days' written notice to the other or such longer notice as such party may elect to give. Tenant shall have no right or interest in any damages or compensation awarded as the result of taking by eminent domain, which shall be the sole property of Landlord.

13. Underlying estates.

(a) Landlord's interest in the leased premises is or may be a leasehold estate derived from a third party whose interest in the premises may or may not be of record. This lease is subordinate to all the terms and conditions of any lease ("Landlord's underlying ground lease") now in effect, or hereafter entered into, with such third party evidencing such leasehold estate of Landlord.

If Landlord's underlying ground lease is terminated in any manner by either party thereto, Landlord may terminate this lease upon giving Tenant thirty (30) days' prior written notice of such termination or, if it would not be practical for Landlord to give thirty (30) days' prior written notice, at Landlord's election upon giving Tenant prior written notice for such lesser period as is reasonable in the circumstances. Landlord shall in no way be liable to Tenant for any such termination, whether voluntary or involuntary. Tenant agrees that Tenant shall not, by act or omission, breach any of the terms and conditions of Landlord's underlying ground lease of which Tenant has notice.

(b) In order that Landlord may ascertain and verify the calculation of rents under Landlord's underlying ground lease, if the rent thereunder is based on receipts from sales of products or services at the premises, Tenant agrees to keep accurate books and records of the

quantity and dollar amount of all Tenant's sales of merchandise and services, and of Tenant's merchandise cost prices, and to make such books and records available to Landlord for inspection during regular business hours. Tenant further agrees that, if requested by Landlord, Tenant shall give Landlord on or before the fifteenth (15th) day of each calendar month a written statement of all business done at the leased premises during the preceding calendar month in such form and detail as is necessary to substantiate the calculation of rents under Landlord's underlying ground lease for the preceding month.

14. Assignment and subletting.

This lease is personal to Tenant, and Tenant shall not, without Landlord's prior written consent: assign this lease, or any interest therein (either voluntarily or by operation of law) by assignment or other arrangement having similar effect; let or sublet any part or the whole of the leased premises; mortgage this lease; become associated with any other person, directly or indirectly, as a partner or otherwise in regard to tenant's interest or operations under this lease; permit or suffer any lien or encumbrance to be placed upon this lease or interest created hereby or any part thereof; or permit any other person, firm or corporation to occupy the leased premises or any part thereof as a tenant or otherwise. Any sale, conveyance, alienation, transfer or other change of interest in or title to beneficial ownership of fifty percent (50%) or more of the voting stock (or securities convertible into fifty percent (50%) or more of the voting stock) of Tenant, either voluntarily, involuntarily, or by operation of law, merger or other corporate proceeding, or otherwise, shall be construed as an assignment of Tenant's rights hereunder.

15. Surrender.

Upon termination of this lease, by expiration or otherwise, Tenant shall peacefully and quietly surrender and yield up to Landlord, the leased premises and all appurtenances in as good order, condition and repair as the same were in at the execution of this lease, or into which they may be put, reasonable use and wear thereof excepted. Any property remaining on the leased premises after the termination of this lease shall be deemed to have been abandoned by Tenant and may be used or disposed of by Landlord in such manner as Landlord may see fit.

16. Holding over.

If Tenant holds over after the expiration of the term hereof, with or without Landlord's express or implied consent, such holding over shall not create a renewal of this lease by operation of law or otherwise, but shall create only a tenancy for month-to-month and for no longer term, upon all the terms and conditions hereof.

17. Notices.

All notices to be given under this lease shall be in writing and shall be posted by certified mail or personally delivered to the other party at the address set forth below or at such other addresses as either party may designate by written notice to the other. Any such notice shall be deemed received when deposited in the United States mail with postage fully prepaid thereon or when personally delivered.

Landlord:	Tenant:
CHEVRON USA, INC. **2 Annabel Lane, Suite 200** **San Ramon, CA 94583**	**Compu-Plan Management Services, Inc.** **128 Chester Ave., Ste. C** **Bakersfield, CA 93304**

18. General

In the event of litigation between Landlord and Tenant with regard to the subject matter hereof, the prevailing party shall be entitled to recover its costs and expenses of suit, including reasonable attorneys' fees, in connection therewith. Time is of the essence hereof.

The captions and headings throughout this lease are for convenience of reference only, and the words contained therein shall in no way be held or deemed to define, limit, describe, explain or modify the meaning of any provision, the scope or intent of this lease. All of the covenants of Tenant hereunder shall be deemed and construed to be "conditions" as well as "covenants" as though the words specifically expressing or imparting conditions and covenants were used in each separate instance. Effective as of the commencement of the term hereof, this lease supersedes and terminates any and all prior leases, other agreements or understandings between Landlord and its affiliates and Tenant with regard to the leased premises. This lease constitutes the entire agreement between Landlord and Tenant with regard to the subject matter hereof including Exhibits A through D which are made a part of this lease.

IN WITNESS WHEREOF, the parties hereto have executed this lease as of the date first hereinabove set forth.

CHEVRON U.S.A. INC.

By _____
Landlord

Compu-Plan Management Services, Inc.

By _____

By _____
Tenant

MS-9360E (2/86)