



Original Date: August 19, 2019  
Revised date: September 18, 2019

**VIA EMAIL**

Mr. Cody Snyder  
LINC Housing Corporation  
3590 Elm Avenue  
Long Beach, CA 90807-3903  
[csnyder@linchousing.org](mailto:csnyder@linchousing.org)

Ms. Connie Chauv  
City of Los Angeles  
Department of City Planning  
200 North Spring Street, Room 720/721  
Los Angeles, CA 90012  
[connie.chauv@lacity.org](mailto:connie.chauv@lacity.org)

Mr. Gary Carlin  
Carlin Environmental Consulting, Inc.  
2522 Chambers Road, #100  
Tustin, CA 92780  
[gary@carlinenvironmental.com](mailto:gary@carlinenvironmental.com)

Division Reference Number: **CSWR ID 1011650**  
Assessor Parcel Number: 7422-023-047  
Project Address: 1424 Deepwater Avenue, Wilmington, CA 90744  
Property Owner: LINC Housing Corporation  
Project Name: LINC Housing Project – Wilmington Apts.

Dear Mr. Snyder, Ms. Chauv, and Mr. Carlin:

The Division of Oil, Gas, and Geothermal Resources' (Division) authority is set forth in Division 3 of the Public Resources Code (PRC), and Title 14 of the California Code of Regulations (CCR). PRC § 3208.1 establishes well reabandonment responsibility when a previously plugged and abandoned well may be impacted by planned property development or construction activities. Local permitting agencies, property owners, and/or developers should be aware of, and fully understand, that significant and potentially dangerous issues may be associated with development near oil, gas, or geothermal wells.

The Division has received and reviewed the above referenced project application dated June 24, 2019. To assist local permitting agencies, property owners, and developers in

Division Reference Number: **CSWR ID 1011650**

Project Name: LINC Housing Project – Wilmington Apts.

Revised Date: September 18, 2019

making wise land use decisions regarding potential development near oil, gas, or geothermal wells, the Division provides the following well evaluations.

The project is located in Los Angeles county, within the boundaries of the Wilmington oil field. Our records indicate there are seven known oil, gas, or geothermal wells located within the project boundary as identified in the application.

The proposed project is for a housing development with 56 apartment units in one three-story apartment building on an undeveloped lot.

The well listed below is not abandoned to current Division requirements as prescribed by law, and based upon information provided, is projected to be built over or have future access impeded. **The Division expects this well to be abandoned or reabandoned in compliance with current Division requirements prior to development.**

Well	Status
<b>Exxon Mobil Corporation</b> WTU-1812 API no. 03721986	The record review process shows that the subject well is <b>not</b> abandoned consistent with current PRC and CCR as of August 19, 2019.  Based on well records: 1. Ranger zonal isolation plug is not present (CCR § 1723.1). 2. Upper Termina zonal isolation plug is present (CCR § 1723.1).  Note: No well leak test reported.

The wells listed below are abandoned to current Division requirements as prescribed by law, and based upon information provided, are projected to be built over or have future access impeded.

Well	Status
<b>Exxon Mobil Corporation</b> WTU-1810 API no. 03721656	The record review process shows that the subject well is abandoned consistent with current PRC and CCR as of August 19, 2019  Note: No well leak test reported.
<b>Exxon Mobil Corporation</b> WTU-1811 API no. 03721657	The record review process shows that the subject well is abandoned consistent with current PRC and CCR as of August 9, 2019.  Note: No well leak test reported.

<b>Exxon Mobil Corporation</b> WTU-1854 API no. 03722097	The record review process shows that the subject well is abandoned consistent with current PRC and CCR as of August 9, 2019.  Note: No well leak test reported.
<b>Exxon Mobil Corporation</b> WTU-1855 API no. 03722100	The record review process shows that the subject well is abandoned consistent with current PRC and CCR as of August 9, 2019.  Note: No well leak test reported.
<b>Exxon Mobil Corporation</b> WTU-1856 API no. 03722101	The record review process shows that the subject well is abandoned consistent with current PRC and CCR as of August 9, 2019.  Note: No well leak test reported.
<b>Exxon Mobil Corporation</b> WTU-1857 API no. 03722102	The record review process shows that the subject well is abandoned consistent with current PRC and CCR as of August 9, 2019.  Note: No well leak test reported.

**The Division categorically advises against building over, or in any way impeding access to, oil, gas, or geothermal wells.** Impeding access to a well could result in the need to remove any structure or obstacle that prevents or impedes access including, but not limited to, buildings, housing, fencing, landscaping, trees, pools, patios, sidewalks, roadways, and decking. Maintaining sufficient access is considered the ability for a well servicing unit and associated necessary equipment to reach a well from a public street or access way, solely over the parcel on which the well is located. A well servicing unit, and any necessary equipment, should be able to pass unimpeded along and over the route, and should be able to access the well without disturbing the integrity of surrounding infrastructure.

There are no guarantees a well abandoned in compliance with current Division requirements will not start leaking in the future. It always remains a possibility that any well may start to leak oil, gas, and/or water after abandonment, no matter how thoroughly the well was plugged and abandoned. The Division acknowledges wells plugged and abandoned to the most current standards have a lower probability of leaking in the future, however there is no guarantee that such abandonments will not leak.

**The Division advises that all wells identified on the development parcel prior to, or during, development activities be tested for liquid and gas leakage.** Surveyed locations should be provided to the Division in Latitude and Longitude, NAD 83 decimal format. The Division expects any wells found leaking to be reported to it immediately.

Failure to plug and reabandon a well may result in enforcement action, including an order to perform reabandonment well work, pursuant to PRC § 3208.1, and 3224.

PRC § 3208.1 gives the Division the authority to order or permit the re-abandonment of any well where it has reason to question the integrity of the previous abandonment, or if the well is not accessible or visible. Responsibility for re-abandonment costs may be affected by the choices made by the local permitting agency, property owner, and/or developer in considering the general advice set forth in this letter. The PRC continues to define the person or entity responsible for reabandonment as:

1. **The property owner** - If the well was plugged and abandoned in conformance with Division requirements at the time of plugging and abandonment, and in its current condition does not pose an immediate danger to life, health, and property, but requires additional work solely because the owner of the property on which the well is located proposes construction on the property that would prevent or impede access to the well for purposes of remedying a currently perceived future problem, then the owner of the property on which the well is located shall obtain all rights necessary to reabandon the well and be responsible for the reabandonment.
2. **The person or entity causing construction over or near the well** - If the well was plugged and abandoned in conformance with Division requirements at the time of plugging and abandonment, and the property owner, developer, or local agency permitting the construction failed either to obtain an opinion from the supervisor or district deputy as to whether the previously abandoned well is required to be reabandoned, or to follow the advice of the supervisor or district deputy not to undertake the construction, then the person or entity causing the construction over or near the well shall obtain all rights necessary to reabandon the well and be responsible for the reabandonment.
3. **The party or parties responsible for disturbing the integrity of the abandonment** - If the well was plugged and abandoned in conformance with Division requirements at the time of plugging and abandonment, and after that time someone other than the operator or an affiliate of the operator disturbed the integrity of the abandonment in the course of developing the property, then the party or parties responsible for disturbing the integrity of the abandonment shall be responsible for the reabandonment.

The statutes and regulations related to oil, gas, and geothermal resources can be found here: [www.conservation.ca.gov/index/Documents/DOGGR-SR-1%20Web%20Copy.pdf](http://www.conservation.ca.gov/index/Documents/DOGGR-SR-1%20Web%20Copy.pdf)

No well work may be performed on any oil, gas, or geothermal well without written approval from the Division. Well work requiring written approval includes, but is not limited to, mitigating leaking gas or other fluids from abandoned wells, modifications to well casings, and/or any other abandonment or re-abandonment work. The Division also regulates the top of a plugged and abandoned well's minimum and maximum depth below final grade. CCR §1723.5 states well casings shall be cut off at least 5 feet but no

Division Reference Number: **CSWR ID 1011650**  
Project Name: LINC Housing Project – Wilmington Apts.  
Revised Date: September 18, 2019

more than 10 feet below grade. If any well needs to be lowered or raised (i.e. casing cut down or casing riser added) to meet this regulation, a permit from the Division is required before work can start.

The Division makes the following additional recommendations to the local permitting agency, property owner, and developer:

1. To ensure that present and future property owners are aware of (a) the existence of all wells located on the property, and (b) potentially significant issues associated with any improvements near oil or gas wells, the Division recommends that information regarding the above identified well(s), and any other pertinent information obtained after the issuance of this letter, be communicated to the appropriate county recorder for inclusion in the title information of the subject real property.
2. The Division recommends that any soil containing hydrocarbons be disposed of in accordance with local, state, and federal laws. Please notify the appropriate authorities if soil containing significant amounts of hydrocarbons is discovered during development.

As indicated in PRC § 3106, the Division has jurisdictional authority over the drilling, operation, maintenance, and abandonment of oil, gas, and geothermal wells, and attendant facilities, to prevent, as far as possible, damage to life, health, property, and natural resources, damage to underground oil, gas, and geothermal deposits, and damage to underground and surface waters suitable for irrigation or domestic purposes. In addition to the Division's authority to order work on wells pursuant to PRC §§ 3208.1 and 3224, it has authority to issue civil and criminal penalties under PRC §§ 3236, 3236.5, and 3359 for violations within the Division's jurisdictional authority. The Division does not regulate grading, excavations, or other land use issues.

If during development activities, any wells are encountered that were not part of this review, the Division's construction site well review engineer in the Cypress district office is to be notified immediately, and an amended site plan with well casing diagrams for Division review shall be filed. After appropriate review, the District office will send a follow-up well evaluation letter to the property owner, applicant, and local permitting agency.

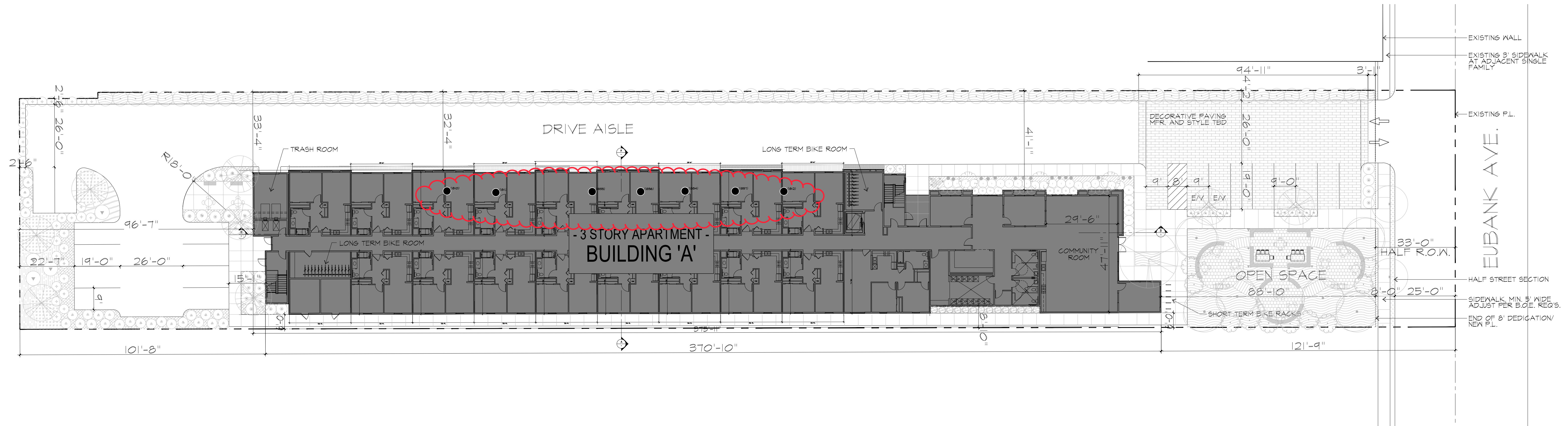
Should you have any questions, please contact me at (562) 637-4400 or via email at [dogdist1@conservation.ca.gov](mailto:dogdist1@conservation.ca.gov).

Sincerely,

Grace Brandt  
Construction Site Well Review Engineer

cc: Mr. Uduak Joe Ntuk, Los Angeles City Petroleum Administrator  
[uduak.ntuk@lacity.org](mailto:uduak.ntuk@lacity.org)





### SITE INFORMATION:

GROSS AREA:	56,060 Sq. Ft., 1.29 ACRES
APN:	7422-023-047
ADDRESS:	1424 DEEPWATER AVENUE LOS ANGELES, CA
CURRENT ZONE:	RI-IXL-O-CUGU
PROPOSED ZONE:	C2-IXL-O-CUGU
CURRENT GEN. PLAN DESIG.:	LOW RESIDENTIAL
PROPOSED GEN. PLAN DESIG.:	GENERAL COMMERCIAL
ALLOWABLE UNITS:	1/400 Sq. Ft. (C2 ZONE) = 140 UNITS
PROPOSED UNITS:	56 UNITS
ALLOWABLE DENSITY:	108.2 DU/Acre (145 UNITS)
PROPOSED DENSITY:	41.8 DU/Acre (56 UNITS)
ALLOWABLE AREA:	56,060 Sq. Ft. x 1.5 FAR = 84,090 Sq. Ft. (C2-IXL)
ALLOWABLE HEIGHT:	45 Ft. (C2-IVL) = 35'-11" (PROPOSED) LAMC SEC. 11.5.11(e)
ROOF AREA:	18,150 SF (15% = 2,723 SF)
PROPOSED SOLAR AREA:	2,814 SF

### BUILDING COUNT:

BUILDING "A" (3 STORIES) - (55) 1-BDRMS, (1) 2-BDRM, AND COMMUNITY ROOM W/ LAUNDRY	1 BLDG
TOTAL BUILDING COUNT:	1 BLDG

### UNIT MIX:

PLAN 1: 1BR/1BA (818 Sq. Ft.):	55 UNITS
PLAN 2: 2BR/1BA (891 Sq. Ft.):	1 UNIT
TOTAL	56 UNITS

### PARKING:

REQUIRED :	(56 x 0.3 = 16.5) 17 SPACES LAMC SEC. 11.5.11(e), AB-744
PROVIDED:	19 SPACES (2 ADA)

### BICYCLES:

LONG TERM REQUIRED:	FIRST 25 UNITS, 1 PER UNIT (25) REMAINING UNITS, 1 PER 15 UNITS (20.1) 46 (LAMC 12.2) A.16) 48 SPOTS
LONG TERM PROVIDED:	48 SPOTS
SHORT TERM REQUIRED:	FIRST 25 UNITS, 1 PER 10 UNITS (2.5) REMAINING UNITS, 1 PER 15 UNITS (2.1) 5 (LAMC 12.2) A.16) 5 SPOTS
SHORT TERM PROVIDED:	5 SPOTS

### OPEN SPACE:

REQUIRED:	100 Sq. Ft./1 BDRM AND 125 Sq. Ft./2 BDRM TOTAL = 5,625 Sq. Ft.
PROVIDED:	1,468 Sq. Ft. COMMUNITY RM. (24%) 4,738 Sq. Ft. OPEN SPACE (76%) 6,206 Sq. Ft. TOTAL OPEN SPACE
LANDSCAPED AREA:	1,406.25 Sq. Ft. MINIMUM EQUALS 25% OF COMMON OPEN SPACE REQUIRED

### SETBACKS:

	WEST (REAR)	NORTH (SIDE)	SOUTH (SIDE)	EAST (FRONT)
REQUIRED	15 FT	6 FT	6 FT	0 FT
PROVIDED	96 FT	32 FT	6 FT	86 FT

### F.A.R. CALCULATIONS:

1st	
Residential	12,988 Sq. Ft.
Laundry	432 Sq. Ft.
Corridor/Hallway	2,061 Sq. Ft.
Support Spaces	1,181 Sq. Ft.
Community Rm/Offices	3,482 Sq. Ft.
Total 1st Floor	20,144 Sq. Ft.
2nd	
Residential	12,865 Sq. Ft.
Corridor/Hallway	1,802 Sq. Ft.
Support Spaces	862 Sq. Ft.
Total 2nd Floor	15,529 Sq. Ft.
3rd	
Residential	12,865 Sq. Ft.
Corridor/Hallway	1,802 Sq. Ft.
Support Spaces	862 Sq. Ft.
Total 3rd Floor	15,529 Sq. Ft.

### BUILDING AREA:

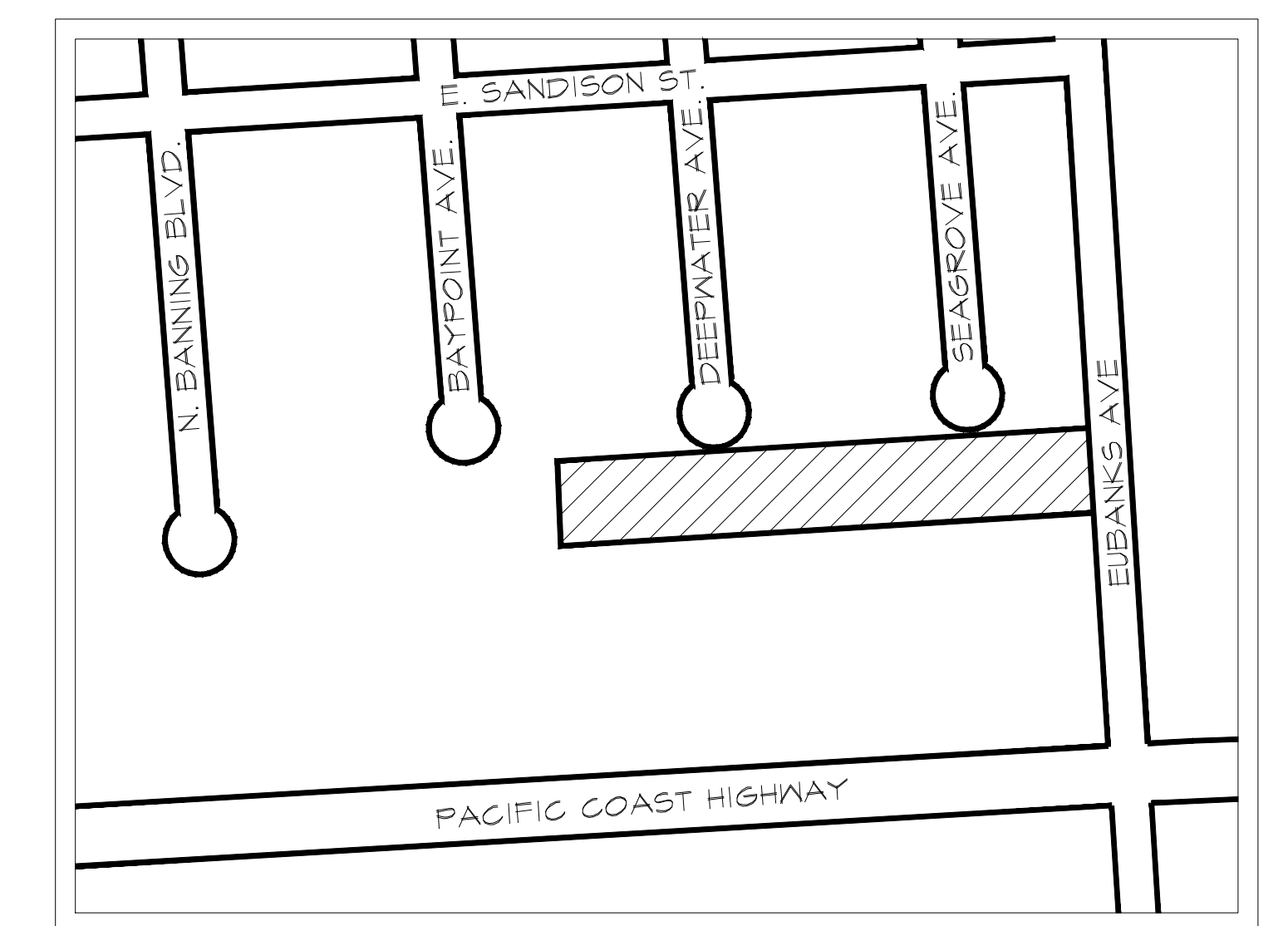
FIRST FLOOR:	20,144 Sq. Ft.
SECOND FLOOR:	15,529 Sq. Ft.
THIRD FLOOR:	15,529 Sq. Ft.
TOTAL FAR:	51,202 Sq. Ft.
PROPOSED FAR:	51,202 / 56,060 = 0.92
ALLOWABLE FAR (1.5):	56,060 Sq. Ft. x 1.5 FAR = 84,090 Sq. Ft. (C2-IVL)

### SHEET INDEX

A-1	SITE PLAN
A-2	OPEN SPACE PLAN
A-3	UNIT PLANS
A-4	COMMUNITY ROOM PLAN
A-5	BLDG. COMPOSITES
A-6	ROOF PLAN
A-7	EXTERIOR ELEVATIONS
A-8	SECTIONS
A-9	CONCEPTUAL RENDERING
A-10	CONCEPTUAL RENDERING
A-11	CONCEPTUAL RENDERING
L-1	PLANTING PLAN

### LEGEND

● (WELL #)	ABANDONED OIL WELL
------------	--------------------



VICINITY MAP (Not to Scale)

## Conceptual Site Plan

# Wilmington Apts.

Los Angeles, CA

NOTES:  
1. NO PHOTOVOLTAIC PANELS PROPOSED.  
2. THIS IS A PUBLICLY FUNDED HOUSING PROJECT  
AND MUST COMPLY WITH CALIFORNIA BUILDING  
CODE CHAPTER 11B.

Linc Community  
Development Corp.

3590 Elm Ave.  
Long Beach, CA 90807  
562.684.1120

Design &  
**1033**  
Planning

31866 Camino Capistrano  
San Juan Capistrano, CA  
949.230.4537

SHEET

**A-1**

11.06.2018, 01.09.2019, 03.06.2019, REV. 05.08.2019, REV. 06.03.2019



Project Name: LINC Housing Project – Wilmington Apts.

Address: 1424 Deepwater Ave.

APN: 7422-023-047

Field	Sec.	Twn	Rge			
Wilmington	29	04S	13W, SB			
Operator	API No.	Well Name	Abd Date	Abd Stds	Insufficient or Missing Plugs	Comment
Exxon Mobile	03721656	WTU-1810	02/03/94	Yes		The well is plugged and abandoned consistent with current PRC and CCR. Note: No well leak test reported
Exxon Mobile	03721657	WTU-1811	03/22/95	Yes		The well is abandoned consistent with current PRC and CCR. Note: No well leak test reported
Exxon Mobile	03721986	WTU-1812	03/22/95	No	Ranger zone isolation zone plug is not present (CCR § 1723.1). Upper Terminal zone isolation zone plug is not present (CCR § 1723.1). Note: No well leak test reported	
Exxon Mobile	03722097	WTU-1854	12/08/95	Yes		The well is plugged and abandoned consistent with current PRC and CCR. Note: No well leak test reported
Exxon Mobile	03722100	WTU-1855	03/20/95	Yes		The well is plugged and abandoned consistent with current PRC and CCR. Note: No well leak test reported
Exxon Mobile	03722101	WTU-1856	12/08/95	Yes		The well is plugged and abandoned consistent with current PRC and CCR. Note: No well leak test reported
Exxon Mobile	03722102	WTU-1857	03/03/95	Yes		The well is plugged and abandoned consistent with current PRC and CCR. Note: No well leak test reported
Exxon Mobile	03705066	WTU-1015	08/15/94	No	Missing HZ plug	Outside
Exxon Mobile	03705067	WTU-1018	11/02/88	No	Missing HZ Plug and BFW Plug	Outside
Exxon Mobile	03705068	WTU-1016	02/16/95	Yes		Outside
Exxon Mobile	03705069	WTU-1017	05/16/91	Yes		Outside

Project Name: LINC Housing Project – Wilmington Apts.

Address: 1424 Deepwater Ave.

APN: 7422-023-047

GEOLOGICAL MARKERS	DEPTH
D1	3073'
F	3358'
G	3660'
Hx	3780'
J	3950'

WTU 1810'





**Project Name: LINC Housing Project – Wilmington Apts.**

**Address: 1424 Deepwater Ave.**

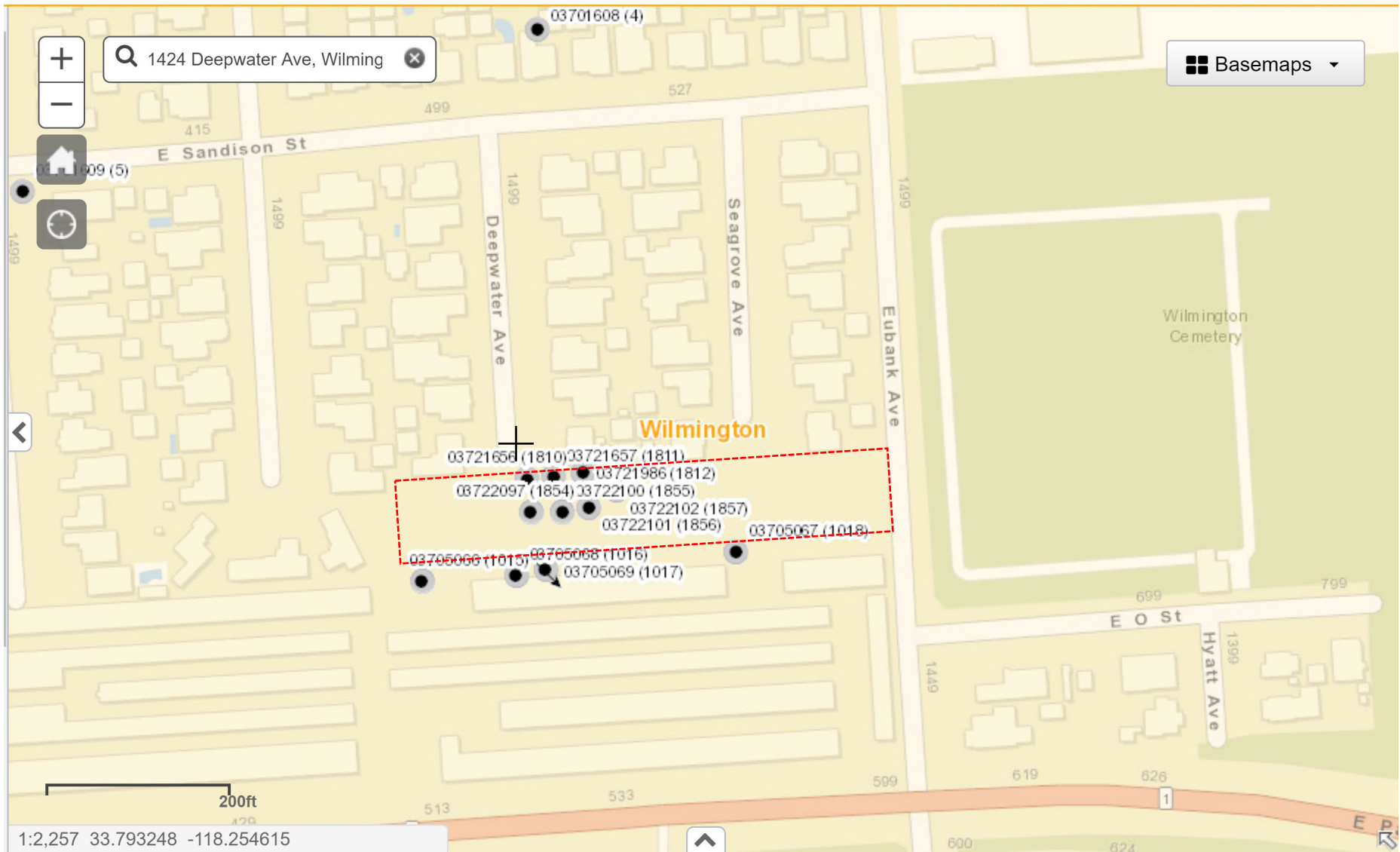
**APN: 7422-023-047**

Source: Map 128(Division Map)

Project Name: LINC Housing Project – Wilmington Apts.

Address: 1424 Deepwater Ave.

APN: 7422-023-047



Project Name: LINC Housing Project – Wilmington Apts.

Address: 1424 Deepwater Ave.

APN: 7422-023-047



Los Angeles County Office of the Assessor  
Valuing People and Property

## Property Assessment Information System

Parcel Details

I want to...

LACounty Street Map

- Property records are kept at the South District Office
- How frequently is this site updated?  
(and other FAQs)

## Property Information

**Assessor's ID No:** 7422-023-047  
**Address:** Address Not Available  
**Property Type:** Vacant Land  
**Region / Cluster:** 10 / 10130  
**Tax Rate Area (TRA):** 00400  
[View Assessor Map](#)  
[View Index map](#)

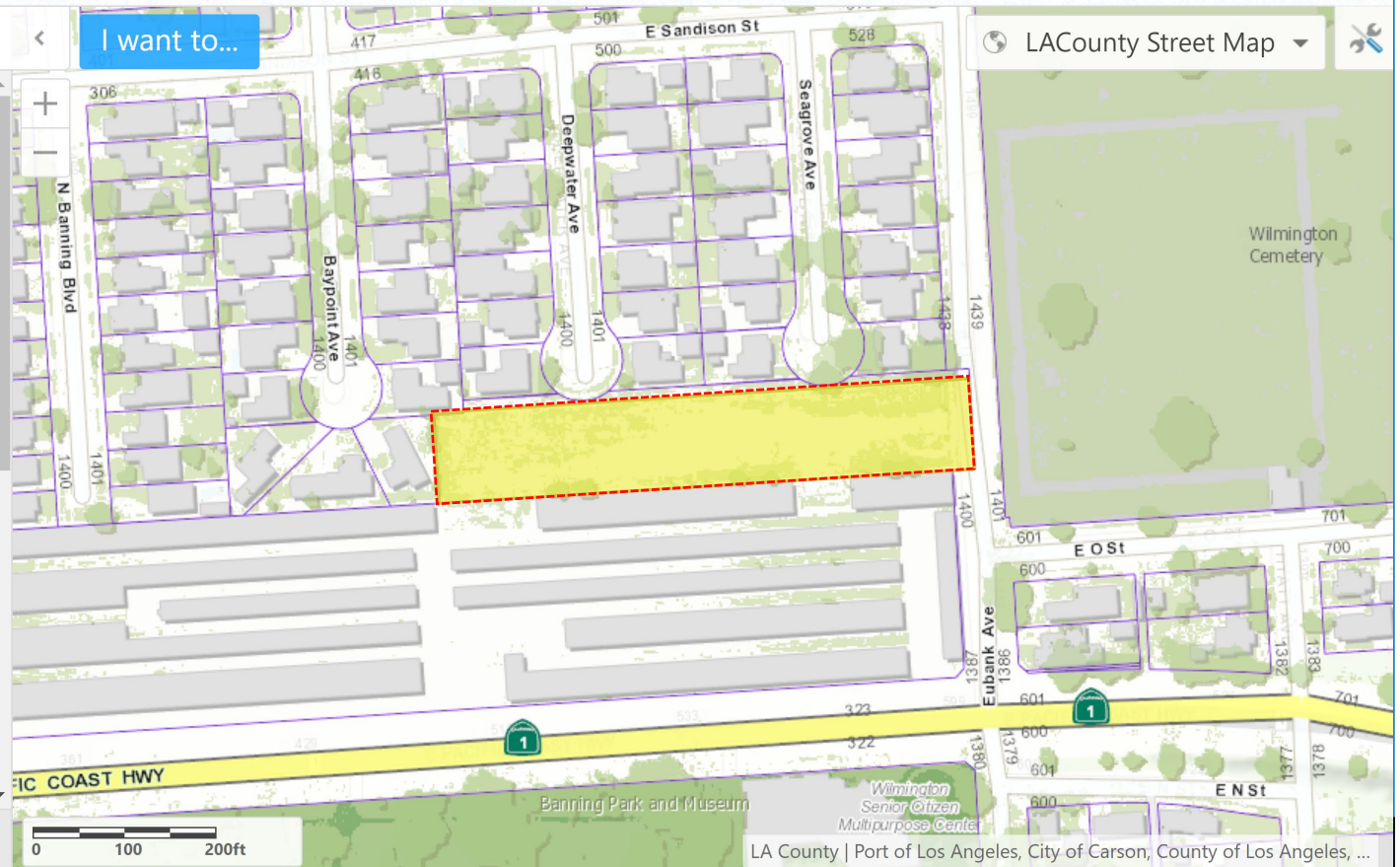
## Recent Sales Information

**Latest Sale Date:**  
**Indicated Sale Price:**

[Search for Recent Sales](#)

## 2019 Roll Values

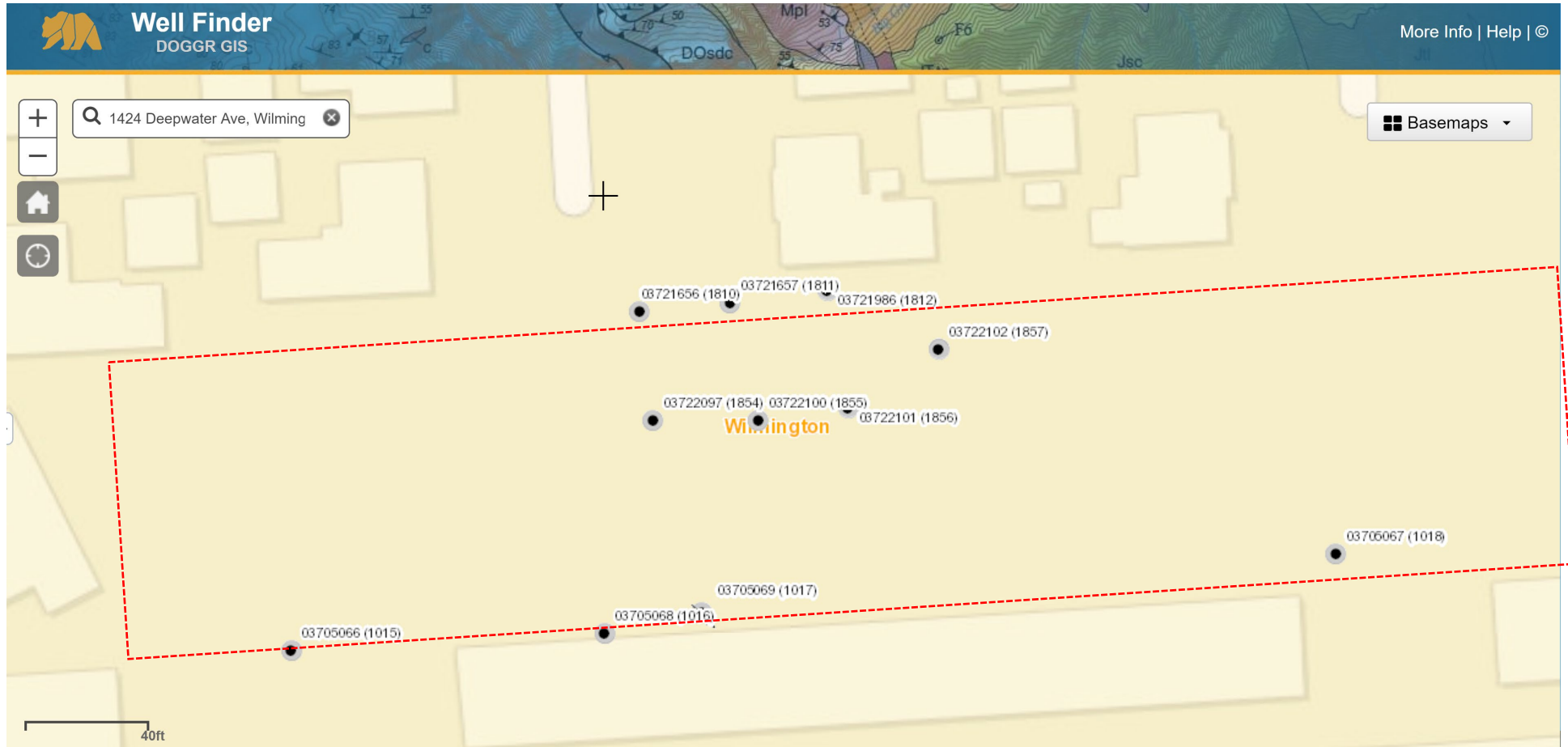
**Recording Date:** 02/10/2005  
**Land:** \$424,753  
**Improvements:** \$0  
**Personal Property:** \$0



LA County | Port of Los Angeles, City of Carson, County of Los Angeles, ...



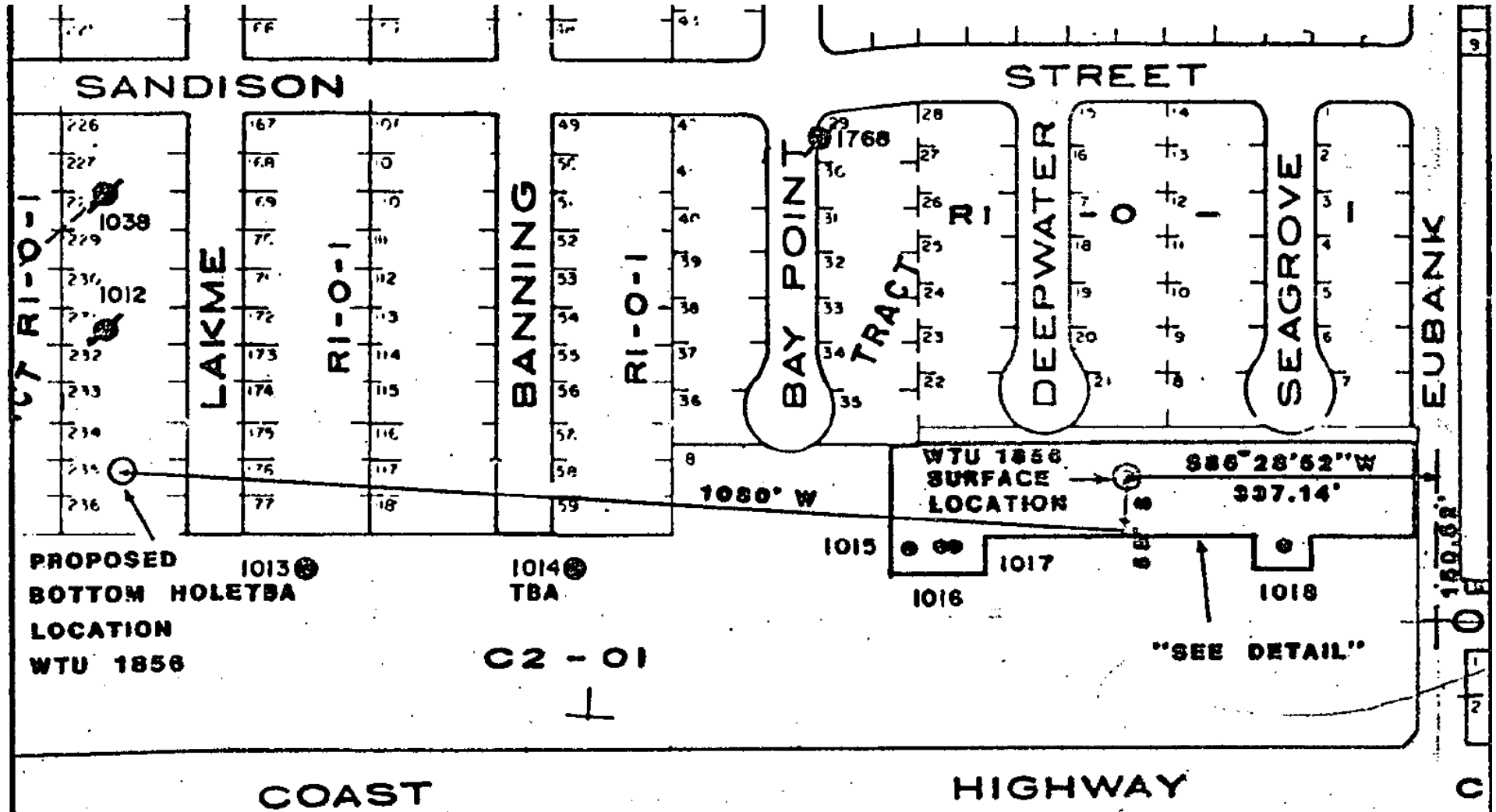
Project Name: LINC Housing Project – Wilmington Apts.  
Address: 1424 Deepwater Ave.  
APN: 7422-023-047



Project Name: LINC Housing Project – Wilmington Apts.

Address: 1424 Deepwater Ave.

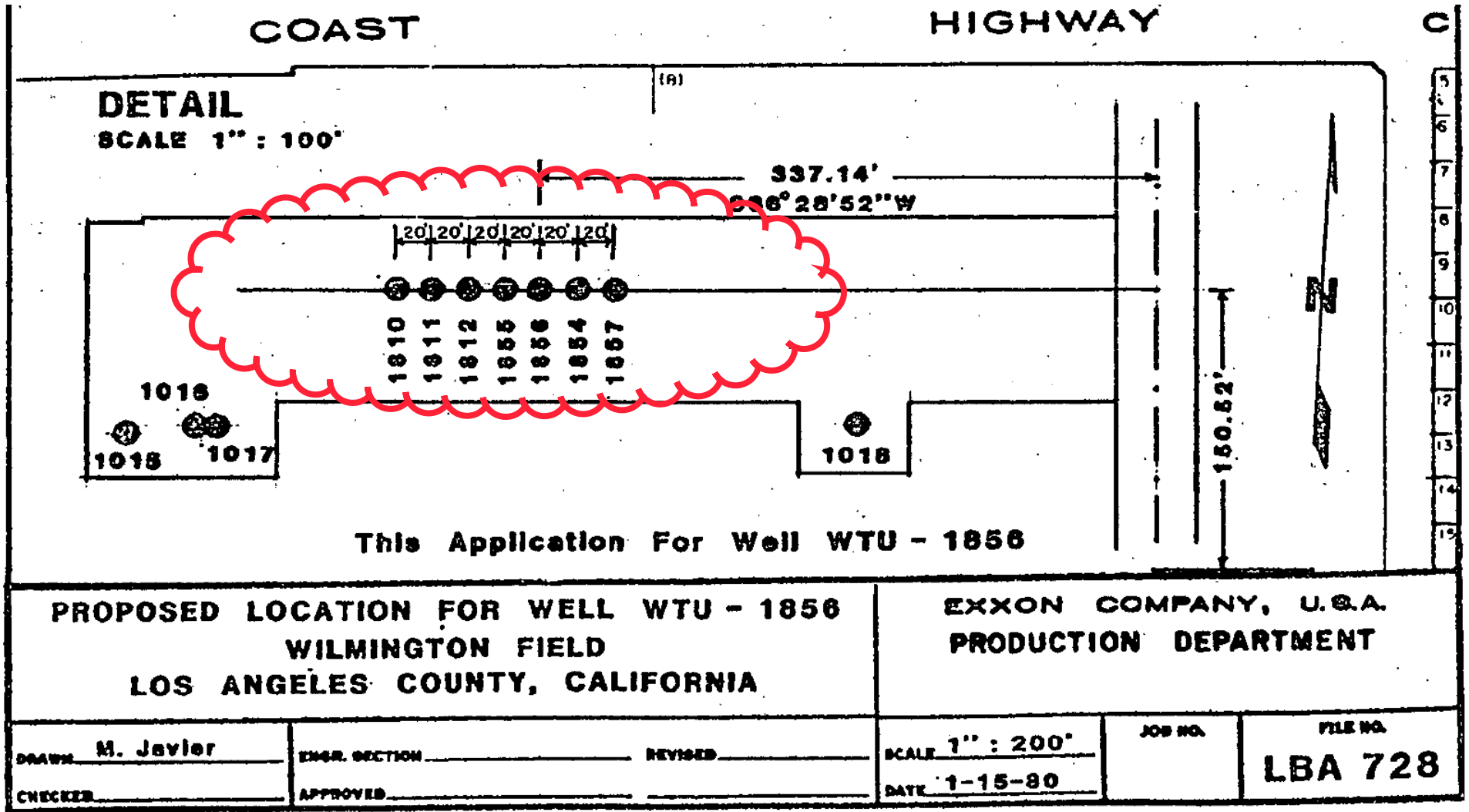
APN: 7422-023-047



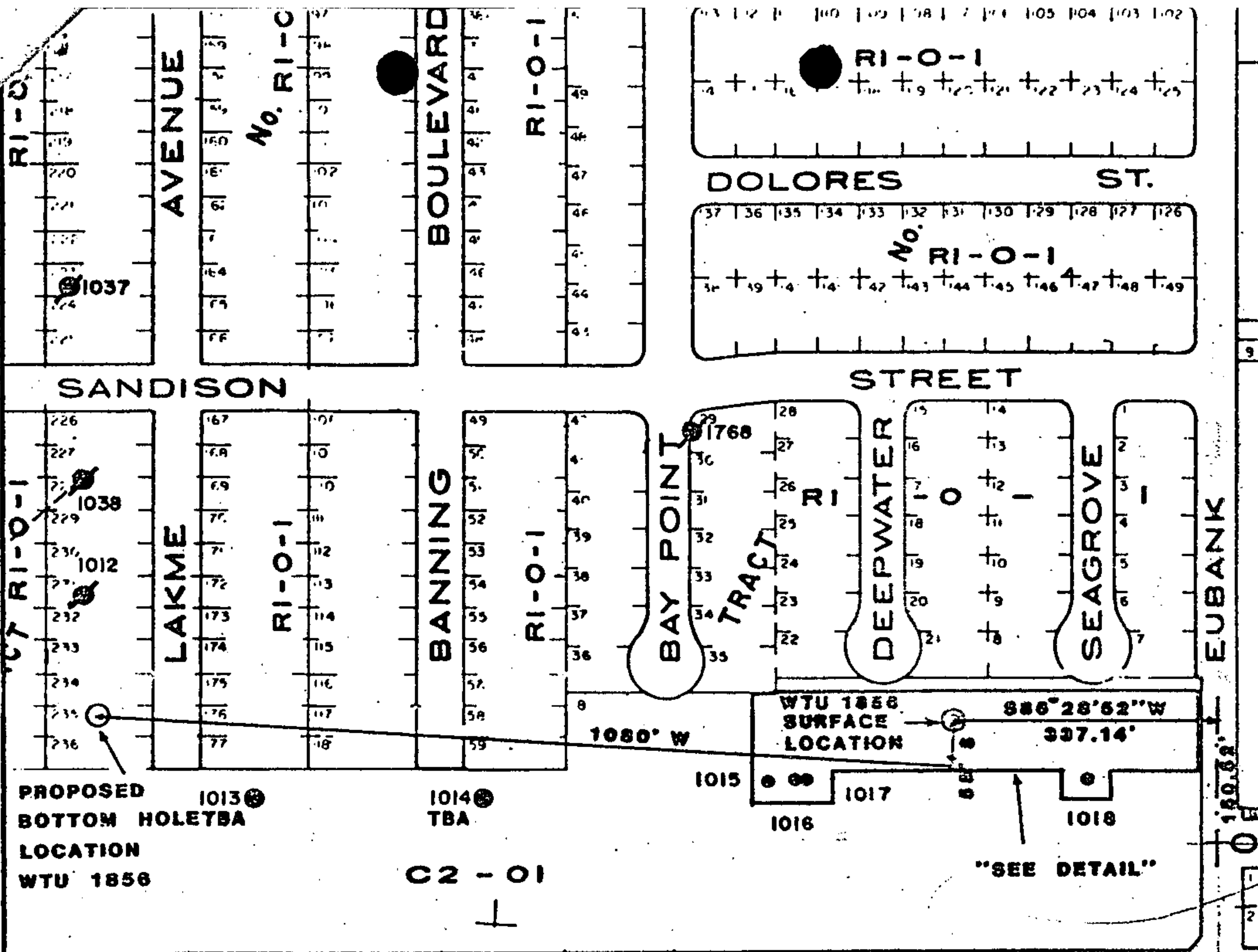
Project Name: LINC Housing Project – Wilmington Apts.

Address: 1424 Deepwater Ave.

APN: 7422-023-047

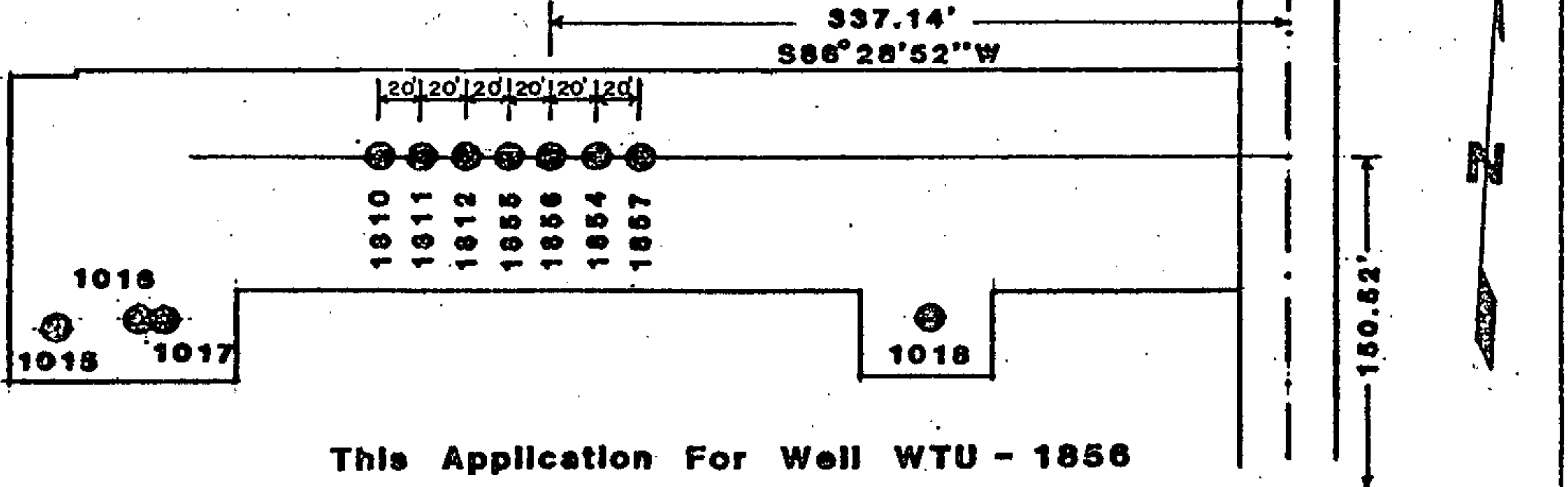






**DETAIL**

SCALE 1" : 100'



This Application For Well WTU - 1856

<b>PROPOSED LOCATION FOR WELL WTU - 1856</b> <b>WILMINGTON FIELD</b> <b>LOS ANGELES COUNTY, CALIFORNIA</b>		<b>EXXON COMPANY, U.S.A.</b> <b>PRODUCTION DEPARTMENT</b>	
DRAWN <b>M. Javier</b> CHECKED _____	ENGR. SECTION _____ APPROVED _____	SCALE <b>1" : 200'</b> DATE <b>1-15-80</b>	JOB NO. _____ FILE NO. <b>LBA 728</b>

**DIVISION OF OIL AND GAS**  
**Notice of Intention to Drill New Well**

3606

037-21656  
ONSHORE

This notice and indemnity or cash bond shall be filed, and approval given, before drilling begins. If operations have not commenced within one year of receipt of the notice, this notice will be considered cancelled.

Exxon Corp.

FOR DIVISION USE ONLY					
MAP	MAP BOOK	CARDS	BOND	FORMS	
				114	121
128	3/23/74 1190	✓	B	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to commence drilling well No. WTU 1810, API No. 037-21656,  
(Assigned by Division)

Sec. 29, T. 4S, R. 13W, S.B.B. & M., Wilmington Field, Los Angeles County.

Legal description of mineral-right lease, consisting of \_\_\_\_\_ acres, is as follows: \_\_\_\_\_  
(Attach map or plat to scale)  
(Wilmington Townlot Unit)

Do mineral and surface leases coincide? Yes \_\_\_\_\_ No \_\_\_\_\_ If answer is no, attach legal description of both surface and mineral leases, and map or plat to scale.

Location of well \_\_\_\_\_ feet \_\_\_\_\_ property  
(Direction) along section line and \_\_\_\_\_ feet \_\_\_\_\_  
(Direction)

at right angles to said line from the \_\_\_\_\_ property  
corner of section \_\_\_\_\_ or  
150.52' North along the centerline of Eubank Avenue thence Westerly  
S86°28'52"W 417.14' from said line from the intersection of the centerlines  
of "O" Street and Eubank Avenue.

If well is to be directionally drilled, show proposed coordinates at total depth 1370'S30°W of surface location.

Elevation of ground above sea level 49.75 feet.

All depth measurements taken from top of Kelly Bushing which is 10 feet above ground.  
(Derrick Floor, Rotary Table or Kelly Bushing)

**PROPOSED CASING PROGRAM**

SIZE OF CASING INCHES A.P.I.	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS	CALCULATED FILL BEHIND CASING
16"	Conductor		Surface	50'	50'	To Surface
10-3/4"	40.5#	J-55	Surface	500'	500'	To Surface
7"	23#	K-55	Surface	3000'	3000'	To Surface
5-1/2"	17#	K-55	2900'	4100'	-	-

(A complete drilling program is preferred and may be submitted in lieu of the above program)

Intended zone(s) Ranger - Upper Terminal,  
of completion 3100'-4000', 1100 psi @ -3600' S.S. Estimated total depth 4100'  
(Name, depth and expected pressure)

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address Post Office Box 7033

(Street)

Long Beach, California 90807

(City)

(State)

(Zip)

Telephone Number (213) 426-8844

EXXON CORPORATION

(Name of Operator)

By J.M. McKinney 3/18/74

(Name)

(Date)

Type of Organization Corporation

(Corporation, Partnership, Individual, etc.)

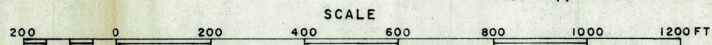


RECEIVED  
Mar 22 11 27 AM '76  
DIV. OF OIL AND GAS  
LONG BEACH, CA.

03721656



This Application For Well No. 1810



NO.	DATE	REVISIONS	BY	CHK	APPR	PROPOSED LOCATION FOR WTU-1810 WILMINGTON TOWNLOT UNIT WILMINGTON FIELD LOS ANGELES COUNTY, CALIFORNIA		EXXON COMPANY U.S.A. PRODUCTION DEPARTMENT	
						DRAWN N.D.C.	ENGR SECT PRODUCTION	SCALE 1" = 200'	JOB NO
						CHK	APPR	DATE 3-18-76	FILE NO LBC-101



**DIVISION OF OIL AND GAS**  
**Notice of Intention to Drill New Well**

This notice and indemnity or cash bond shall be filed, and approval given, before drilling begins. If operations have not commenced within one year of receipt of the notice, this notice will be considered cancelled.

037-21657

D  
3606  
ONSHORE

Exxon Corp.

FOR DIVISION USE ONLY					
MAP	MAP BOOK	CARDS	BOND	FORMS	
				114	121
128	3/28/75 14028	✓	75	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to commence drilling well No. WTU 1811, API No. 037-21657  
(Assigned by Division)

Sec. 29, T. 4S, R. 13W, S.B.B. & M., Wilmington Field, Los Angeles County.

Legal description of mineral-right lease, consisting of \_\_\_\_\_ acres, is as follows: \_\_\_\_\_  
(Attach map or plat to scale)  
(Wilmington Townlot Unit)

Do mineral and surface leases coincide? Yes \_\_\_\_\_ No \_\_\_\_\_ If answer is no, attach legal description of both surface and mineral leases, and map or plat to scale.

Location of well \_\_\_\_\_ feet \_\_\_\_\_ property  
(Direction) along section line and \_\_\_\_\_ feet \_\_\_\_\_  
(Direction)

at right angles to said line from the \_\_\_\_\_ property  
corner of section \_\_\_\_\_ or  
150.52' North along the centerline of Eubank Avenue thence Westerly  
S86°28'52"W 397.14' from said line from the intersection of the centerlines  
of "O" Street and Eubank Avenue.

If well is to be directionally drilled, show proposed coordinates at total depth 615'N64°30'E of surface location.

Elevation of ground above sea level 49.75 feet.

All depth measurements taken from top of Kelly Bushing which is 10 feet above ground.  
(Derrick Floor, Rotary Table or Kelly Bushing)

**PROPOSED CASING PROGRAM**

SIZE OF CASING INCHES A.P.I.	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS	CALCULATED FILL BEHIND CASING
16"	Conductor		Surface	50'	50'	To Surface
10-3/4"	40.5#	J-55	Surface	500'	500'	To Surface
7"	23#	K-55	Surface	3100'	3100'	To Surface
5-1/2"	17#	K-55	3000'	3600'	-	-

(A complete drilling program is preferred and may be submitted in lieu of the above program)

Intended zone(s) Ranger,  
of completion 3200-3500', 1100 psi @ -3600' S.S. Estimated total depth 3600'  
(Name, depth and expected pressure)

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address Post Office Box 7033  
(Street)  
Long Beach, California 90807  
(City) (State) (Zip)

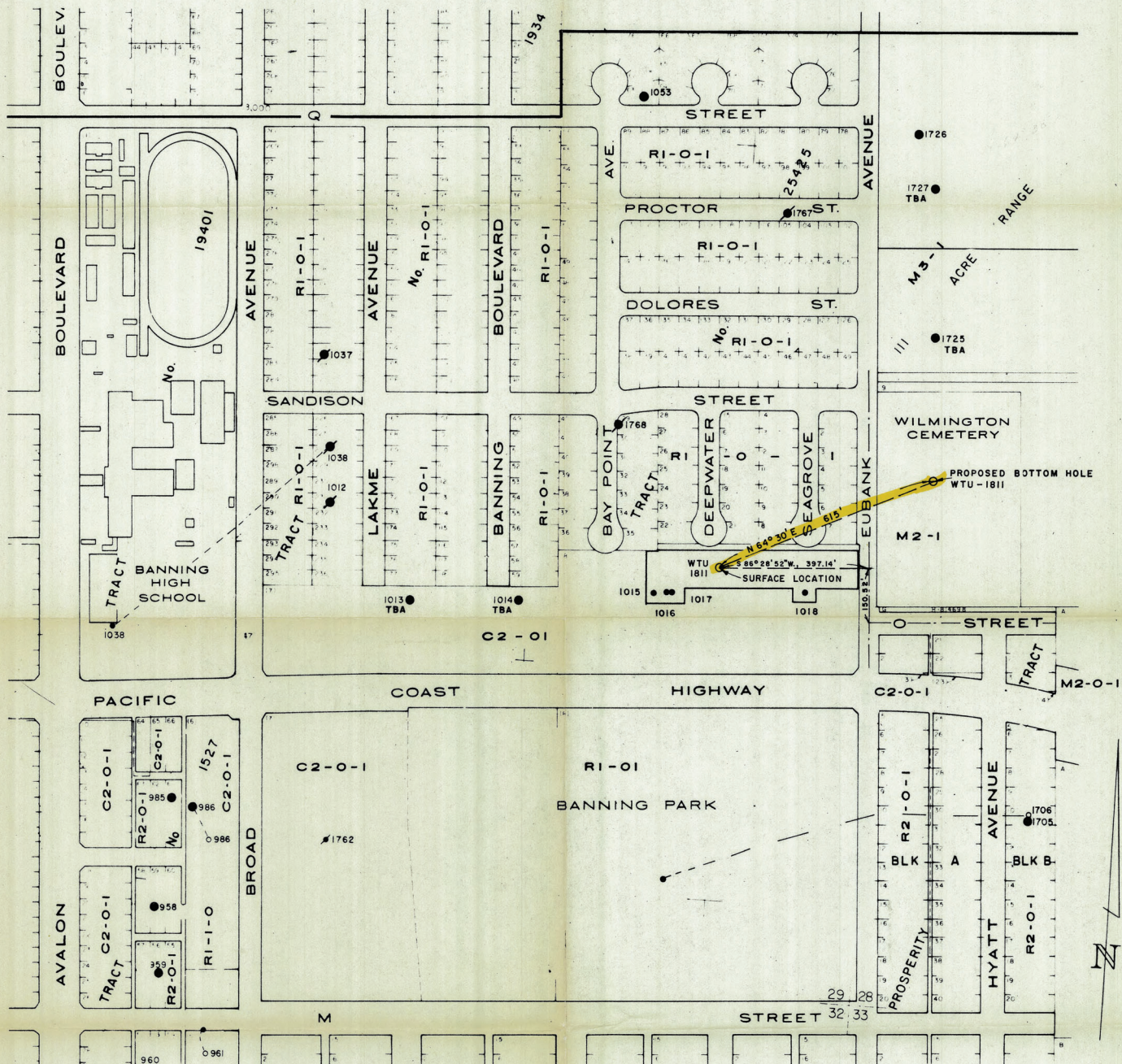
Telephone Number (213) 426-8844

EXXON CORPORATION

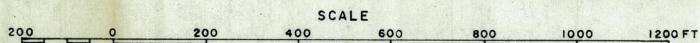
By J. M. McKinnon (Name of Operator)  
(Name) (Date)

Type of Organization Corporation  
(Corporation, Partnership, Individual, etc.)





This Application For Well No. 1811



NO.	DATE	REVISIONS	BY	CHK	APPR	PROPOSED LOCATION FOR WTU-1811 WILMINGTON TOWNLOT UNIT WILMINGTON FIELD LOS ANGELES COUNTY, CALIFORNIA			EXXON COMPANY U.S.A. PRODUCTION DEPARTMENT		
						DRAWN N.D.C.			SCALE 1" = 200'		
						CHK			DATE 3-18-76		
						ENGR SECT PRODUCTION			JOB NO		
						APPR			FILE NO LBC-102		

03721657



**DIVISION OF OIL AND GAS**  
**Notice of Intention to Drill New Well**

OG 28  
**ORIGINAL**

FOR DIVISION USE ONLY					
MAP	MAP BOOK	CARDS	BOND	FORMS	
				114	121
128	D 27-18 DK	an	Blanket reference	an	an

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to commence drilling well No. WTU-1812, API No. 037-21986,  
(Assigned by Division)  
Sec. 29, T. 4S, R. 13W, S.B.B. & M., Wilmington Field, Los Angeles County.

Legal description of mineral-right lease, consisting of \_\_\_\_\_ acres, is as follows: \_\_\_\_\_  
(Attach map or plat to scale)

Wilmington Townlot Unit

Do mineral and surface leases coincide? Yes ☒ No \_\_\_\_ If answer is no, attach legal description of both surface and mineral leases, and map or plat to scale.

Location of well \_\_\_\_\_ feet \_\_\_\_\_ along section/property line and \_\_\_\_\_ feet \_\_\_\_\_  
(Direction) (Cross out one) (Direction)

at right angles to said line from the \_\_\_\_\_ corner of section/property \_\_\_\_\_ or

150.52' Northearely from centerline of '0' Street and  
Eubank Avenue and 277.14' Westerly at S86° 28' 52"W  
(Cross out one)

Is the well location within 300 feet of a habitation or place of public assemblage? Yes ☒ No ☐

If well is to be directionally drilled, show proposed coordinates (from surface location) at total depth:  
\_\_\_\_\_ feet North and \_\_\_\_\_ feet West  
(Direction) (Direction)

Elevation of ground above sea level 35± feet.

All depth measurements taken from top of Kelly Bushing which is 10 feet above ground.  
(Derrick Floor, Rotary Table, or Kelly Bushing)

**PROPOSED CASING PROGRAM**

SIZE OF CASING INCHES A.P.I.	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS	CALCULATED FILL BEHIND CASING
16"	Conductor		KB	50'±	Shoe to surface	
10-3/4"	40.5#	K-55 ST&C	KB	800'±	Shoe to Surface	
7"	20.0#	K-55 ST&C	KB	3200'±	Shoe to surface	
5-1/2"	17.0#	K-55 ST&C	3160'±	3520'±	Will not be cemented - gravel packed.	

(A complete drilling program is preferred and may be submitted in lieu of the above program)

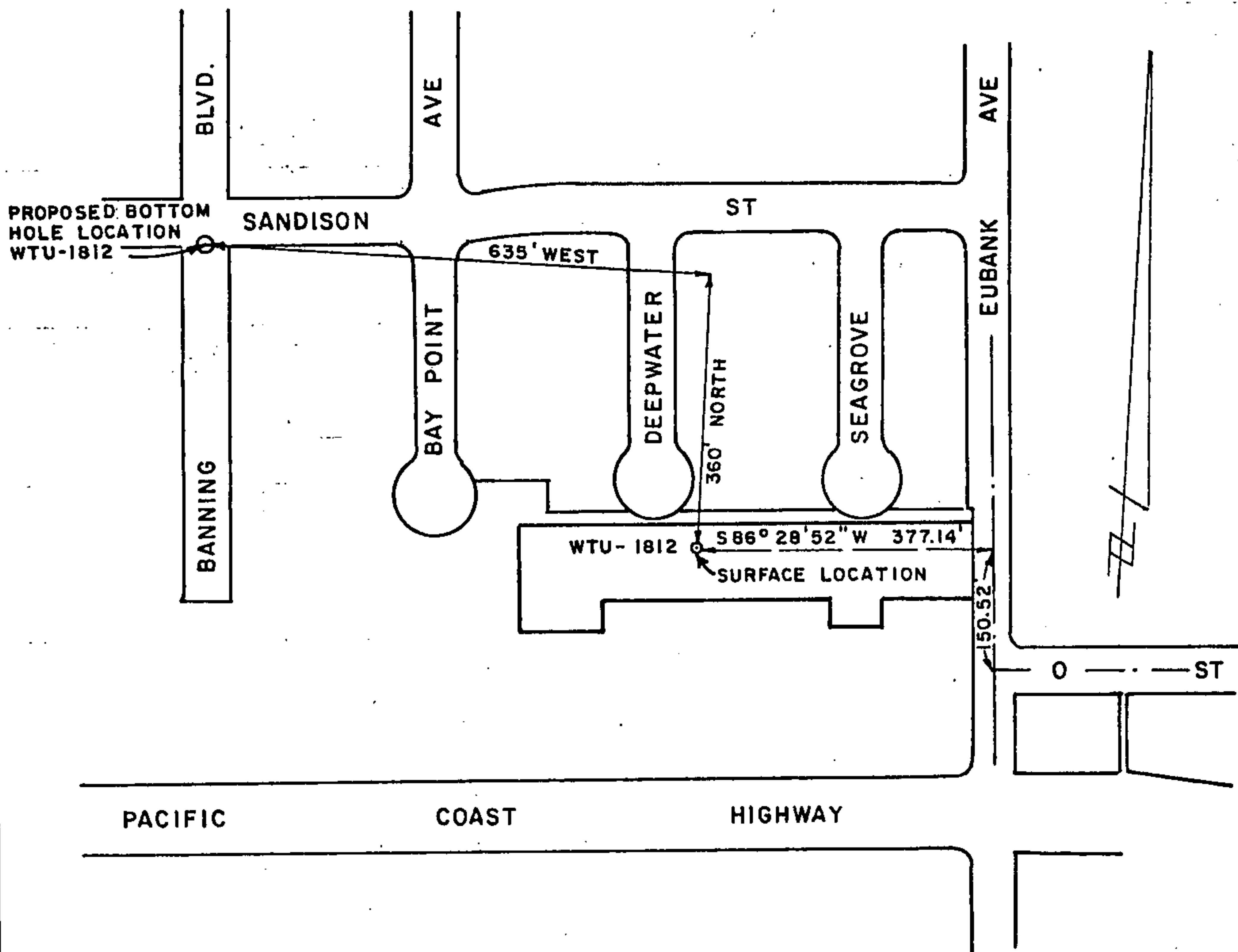
Intended zone(s) FBI  
of completion Ranger 3200'-3520' 1600 psi Estimated total depth 3620'  
(Name, depth, and expected pressure)

It is understood that if changes in this plan become necessary we are to notify you immediately.

Name of Operator	(Division of Exxon Corporation)			Type of Organization (Corporation, Partnership, Individual, etc.)
Exxon Co., U.S.A.		Corporation		
Address	City		Zip Code	
1800 Avenue of the Stars	Los Angeles		90067	
Telephone Number	Name of Person Filing Notice	Signature	Date	
(213) 552-5400	S. A. Christman	S. A. Christman	12/11/78	

This notice and indemnity or cash bond shall be filed, and approval given, before drilling begins. If operations have not commenced within one year of receipt of the notice, this notice will be considered cancelled.





This Application for Well No. 1812

PROPOSED LOCATION FOR WTU-1812  
WILMINGTON FIELD  
LOS ANGELES COUNTY, CALIFORNIA

EXXON COMPANY, U.S.A.  
PRODUCTION DEPARTMENT

DRAWN NDC

ENGR. SECTION

KSO

REVISED

SCALE 1" = 200'

JOB NO.

FILE NO.

CHECKED

APPROVED

DATE 12-19-78

LBA-714

ORIGINAL

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL AND GAS

API No. 03722097

## WELL SUMMARY REPORT

Operator Exxon Corporation		Well WTU-1854				
Field Wilmington		County Los Angeles	Sec. 29	T. 4S	R. 13W	B.&M. SB
Location (Give surface location from property or section corner, street center line and/or California coordinates) 317.1 W and 150.5' N of C/L Intersection of "O" Street and Eubank Ave.					Elevation of ground above sea level 35'	

Commenced drilling (date) 11-20-79	Total depth			Depth measurements taken from top of:	
	(1st hole) 3611'	(2nd)	(3rd)	<input type="checkbox"/> Derrick Floor	<input type="checkbox"/> Rotary Table
Completed drilling (date) 12-22-79	Present effective depth 3611'			Which is 13 feet above ground	
Commenced producing (date) 12-29-79 <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas lift	Junk			GEOLOGICAL MARKERS	
				Tar Ranger	
Name of producing zone(s) Ranger				DEPTH 2813' 3298'	
			Formation and age at total depth Ranger Pliocene		

	Clean Oil (bbl per day)	Gravity Clean Oil	Percent Water including emulsion	Gas (Mcf per day)	Tubing Pressure	Casing Pressure
Initial Production	0		100			
Production After 30 days	26		50			

## CASING RECORD (Present Hole)

Size of Casing (API)	Top of Casing	Depth of Shoe	Weight of Casing	Grade and Type of Casing	New or Second Hand	Size of Hole Drilled	Number of Sacks or Cubic Feet of Cement	Depth of Cementing (if through perforations)
16"	Surface	40'	62.58#	Conductor	New		Cement to surface.	
10 3/4"	Surface	800'	40.5#	K-55 ST&C	New	14 3/4"	520 sx	
7"	Surface	3281'	20.0#	K-55 ST&C	New	9 7/8"	340 sx	
4 1/2"	3223'	3609'	11.6#	K-55 ST&C	New		No cement	

PERFORATED CASING (Size, top, bottom, perforated intervals, size and spacing of perforation and method.)

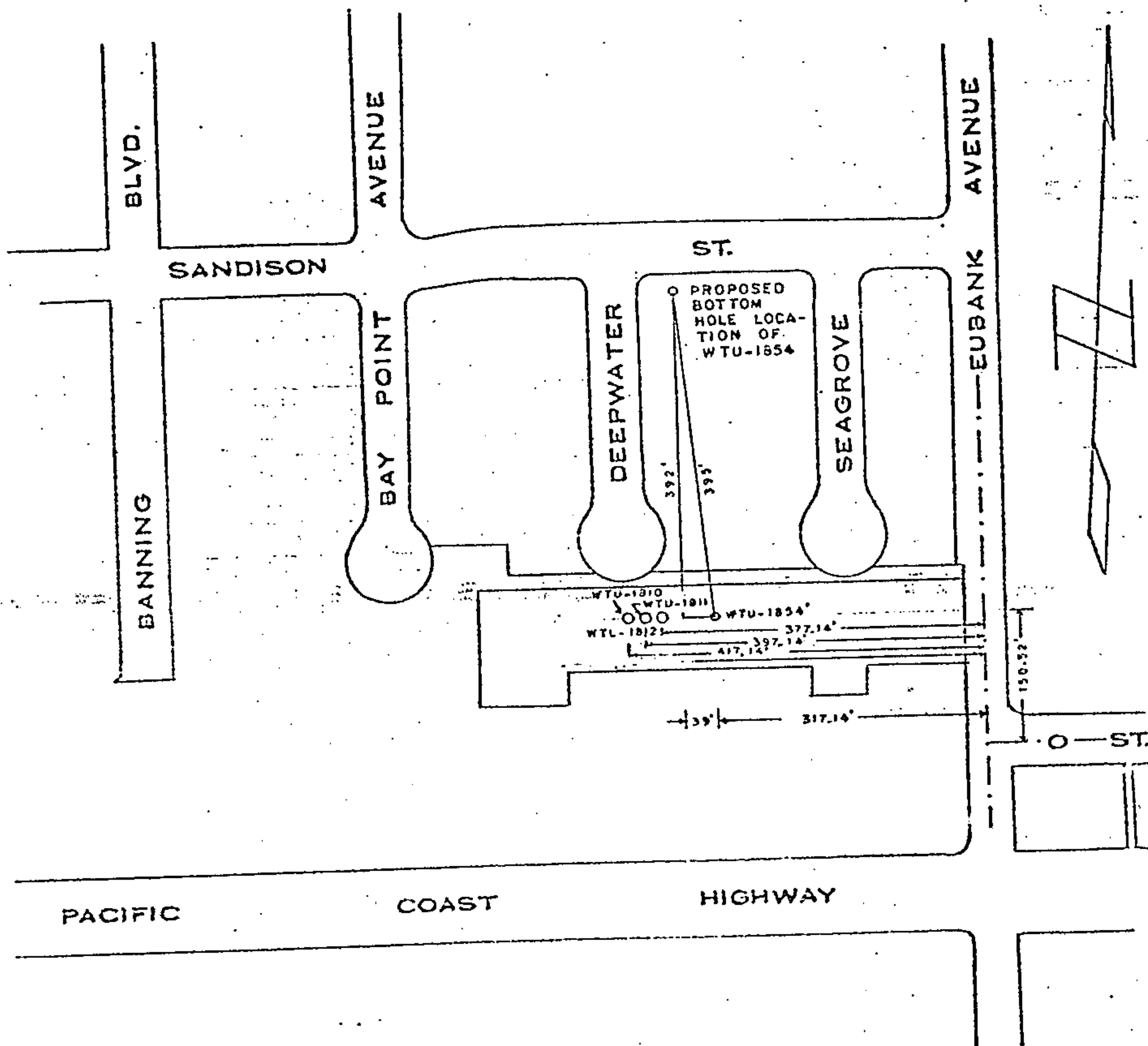
Slotted Liner perforations: 3266'-3609'

Was the well directionally drilled? If yes, show coordinates at total depth <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 433.8 N 47.4 W	
Electrical log depths Formation Factor 3621'-2895'; DIL 3273'-800'. DIFL 3623'-2900'; Densilog 3621'-2895'; Photon 3600'-3223'	
Other surveys	

Directional Survey, Water Shut Off

In compliance with Sec. 3215, Division 3 of the Public Resources Code, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Name R. F. Primerano		Title Revenue & Regulatory Acctg. Sect. Head	
Address 1800 Ave. of the Stars		City Los Angeles, Ca	Zip Code 90067
Telephone Number (213) 552-5400	Signature <i>Ralph F. Primerano</i>	Date 2/28/80	



This Application for Well No. 1854

PROPOSED LOCATION FOR WTU-1854  
WILMINGTON FIELD  
LOS ANGELES COUNTY, CALIFORNIA

EXXON COMPANY, U.S.A.  
PRODUCTION DEPARTMENT

JOHNSON MEL C. JAVIER

SECTION

REVISED 8-7-79  
8-23-79

SCALE 1" = 200'  
DATE 7-16-79

JOHNSON

FILE NO.  
LBA 72



**DIVISION OF OIL AND GAS**  
**Notice of Intention to Drill New Well**

O&G  
Sep 3606

C.E.Q.A. INFORMATION			
EXEMPT <input type="checkbox"/>	NEG. DEC. <input type="checkbox"/>	E.I.R. <input type="checkbox"/>	DOCUMENT NOT REQUIRED BY LOCAL JURISDICTION <input checked="" type="checkbox"/>
CLASS _____	S.C.H. NO. _____	S.C.H. NO. _____	
See Reverse Side			

FOR DIVISION USE ONLY					
MAP	MAP BOOK	CARDS	BOND	FORMS	
128	11/13/79	12	B	114	121
19	19				

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to commence drilling well #WTU-1855, API No. 037-22100,  
(Assigned by Division)  
Sec. 29, T. 4S, R. 13W, SB B. & M., Wilmington Field, Los Angeles County.

Legal description of mineral-right lease, consisting of \_\_\_\_\_ acres, is as follows: \_\_\_\_\_  
(Attach map or plat to scale)  
Wilmington Townlot Unit

Do mineral and surface leases coincide? Yes ☒ No \_\_\_\_\_ If answer is no, attach legal description of both surface and mineral leases, and map or plat to scale.

Location of well \_\_\_\_\_ feet \_\_\_\_\_ along section/property line and \_\_\_\_\_ feet \_\_\_\_\_  
(Direction) (Cross out one) (Direction)

at right angles to said line from the \_\_\_\_\_ corner of section/property \_\_\_\_\_ or  
(Cross out one)

357.1'W and 150.5'N from C/L intersection "0" Street and Eubank Avenue

Is this a critical well according to the definition on the reverse side of this form? Yes ☒ No ☐

If well is to be directionally drilled, show proposed coordinates (from surface location) at total depth:  
530 feet North and 1040 feet West  
(Direction) (Direction)

Elevation of ground above sea level 36 feet.

All depth measurements taken from top of Kelly Bushing that is 10 feet above ground.  
(Derrick Floor, Rotary Table, or Kelly Bushing)

**PROPOSED CASING PROGRAM**

SIZE OF CASING INCHES API	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS	CALCULATED FILL BEHIND CASING
16"	62.58#	Conductor	KB	40'±	Shoe to Surface	
10-3/4"	40.5#	K-55 ST&C	KB	800'±	Shoe to Surface	
7"	20.0#	K-55 ST&C	KB	3475'±	Shoe to Surface	
4-1/2"	11.6#	K-55 ST&C	3435'±	3859'±	Will not be cemented - Gravel packed	

(A complete drilling program is preferred and may be submitted in lieu of the above program.)

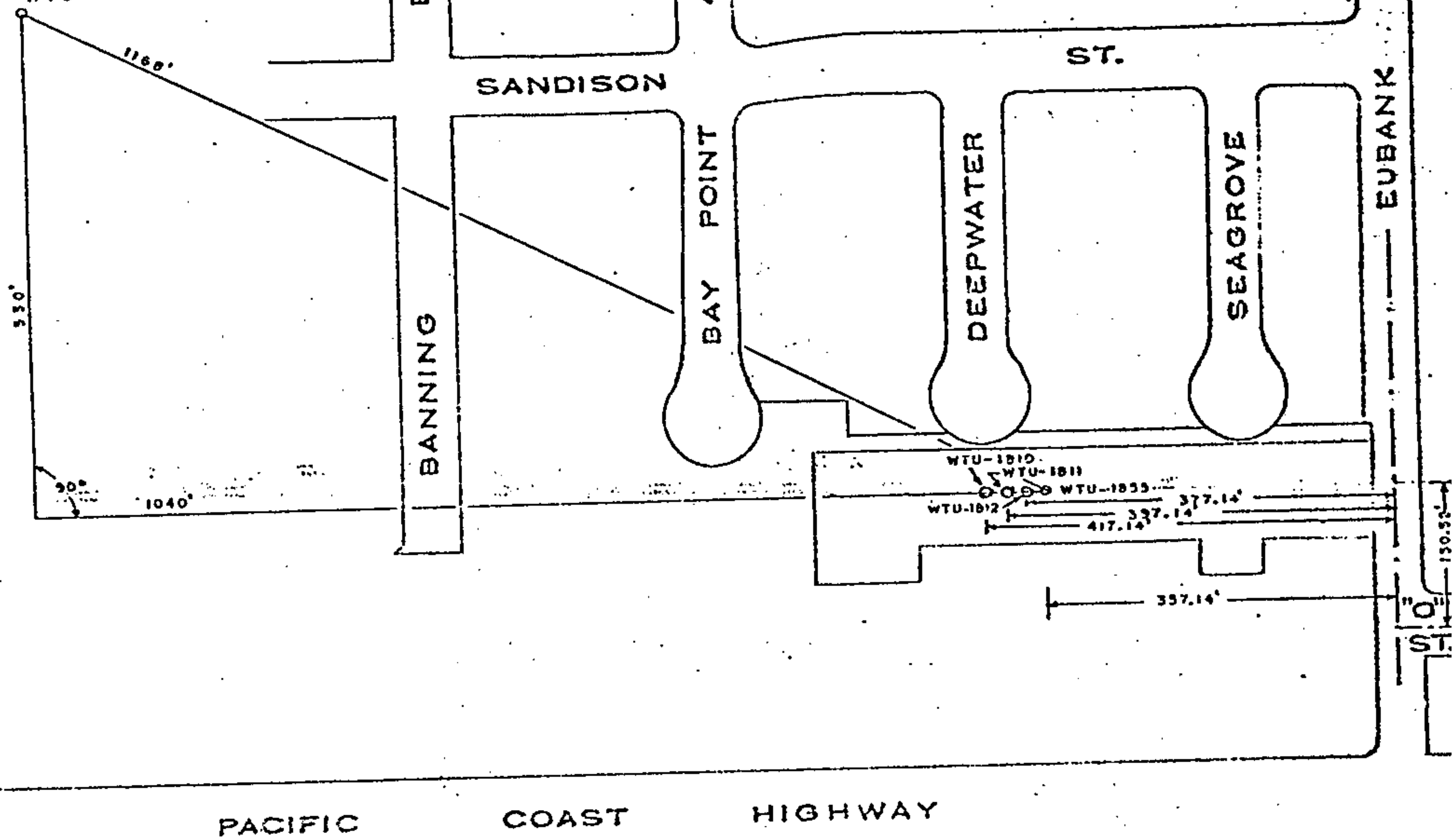
Intended zone(s) of completion Ranger 3100'-3515' TVD (1300 psi) Estimated total depth 3515'  
(Name, depth, and expected pressure)

It is understood that if changes in this plan become necessary we are to notify you immediately.

Name of Operator <u>Exxon Co., U.S.A.</u>		Type of Organization (Corporation, Partnership, Individual, etc.) <u>Corporation</u>	
Address <u>1800 Avenue of the Stars</u>		City <u>Los Angeles</u>	Zip Code <u>90067</u>
Telephone Number <u>(213) 552-5400</u>	Name of Person Filing Notice <u>R. F. Primerano</u>	Signature <u>R. F. Primerano</u>	Date <u>11/13/79</u>

This notice and indemnity or cash bond shall be filed, and approval given, before drilling begins. If operations have not commenced within one year of receipt of the notice, this notice will be considered cancelled.





PROPOSED LOCATION FOR WELL WTU-1855  
WILMINGTON FIELD  
LOS ANGELES COUNTY, CALIFORNIA

EXXON COMPANY, U.O.A.  
PRODUCTION DEPARTMENT

3271 FEL C. JAVIER

2747. 02C 704

REVISIO B-7-79  
8-23-79

SCALE 1" = 200'  
DATE 7-16-79

403

FILE NO.

LBA 727

ORIGINAL

API No. 03722101

WELL SUMMARY REPORT

Operator Exxon Corporation		Well WTU-1856				
Field Wilmington		County Los Angeles	Sec. 29	T. 4S	R. 13W	B.&M. S.B.
Location (Give surface location from property or section corner, street center line and/or California coordinates) 337.1" West and 150.5' North of Center line intersection of "O" Street and Eubank Avenue.					Elevation of ground above sea level 35'	

Commenced drilling (date) 1-30-80	Total depth			Depth measurements taken from top of:	
	(1st hole) 3718'	(2nd)	(3rd)	<input type="checkbox"/> Derrick Floor	<input type="checkbox"/> Rotary Table
Completed drilling (date) 2-26-80	Present effective depth 3714'			Which is 10 feet above ground	
Commenced producing (date) 3-9-80	Junk Two cones from 5 3/4" X 12" underreamer at 3718'			GEOLOGICAL MARKERS	
				F H <sub>1</sub>	
<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas lift				DEPTH 3407' 3564'	
Name of producing zone(s) Ranger				Formation and age at total depth H <sub>1</sub> Pliocene	

	Clean Oil (bbl per day)	Gravity Clean Oil	Percent Water including emulsion	Gas (Mcf per day)	Tubing Pressure	Casing Pressure
Initial Production	13		92			
Production After 30 days	60		53			

CASING RECORD (Present Hole)								
Size of Casing (API)	Top of Casing	Depth of Shoe	Weight of Casing	Grade and Type of Casing	New or Second Hand	Size of Hole Drilled	Number of Sacks or Cubic Feet of Cement	Depth of Cementing (if through perforations)
16"	Surface	40'	62.58#	Conductor	New		Cement to surface	
10 3/4"	Surface	826'	40.5#	K-55 ST&C	New	14 3/4"	532 sx	
7"	Surface	3344'	20.0#	K-55 ST&C	New	9 7/8"	349 sx	
4 1/2"	3280'	3714'	11.6#	K-55 ST&C	New	6 1/4" x 12"	Gravel Packed	

PERFORATED CASING (Size, top, bottom, perforated intervals, size and spacing of perforation and method.)

Slots: 3339'-3482' , 3560'-3711'

Was the well directionally drilled? If yes, show coordinates at total depth

☒ Yes ☐ No 53.34' South, 1076.06' West

Electrical log depths

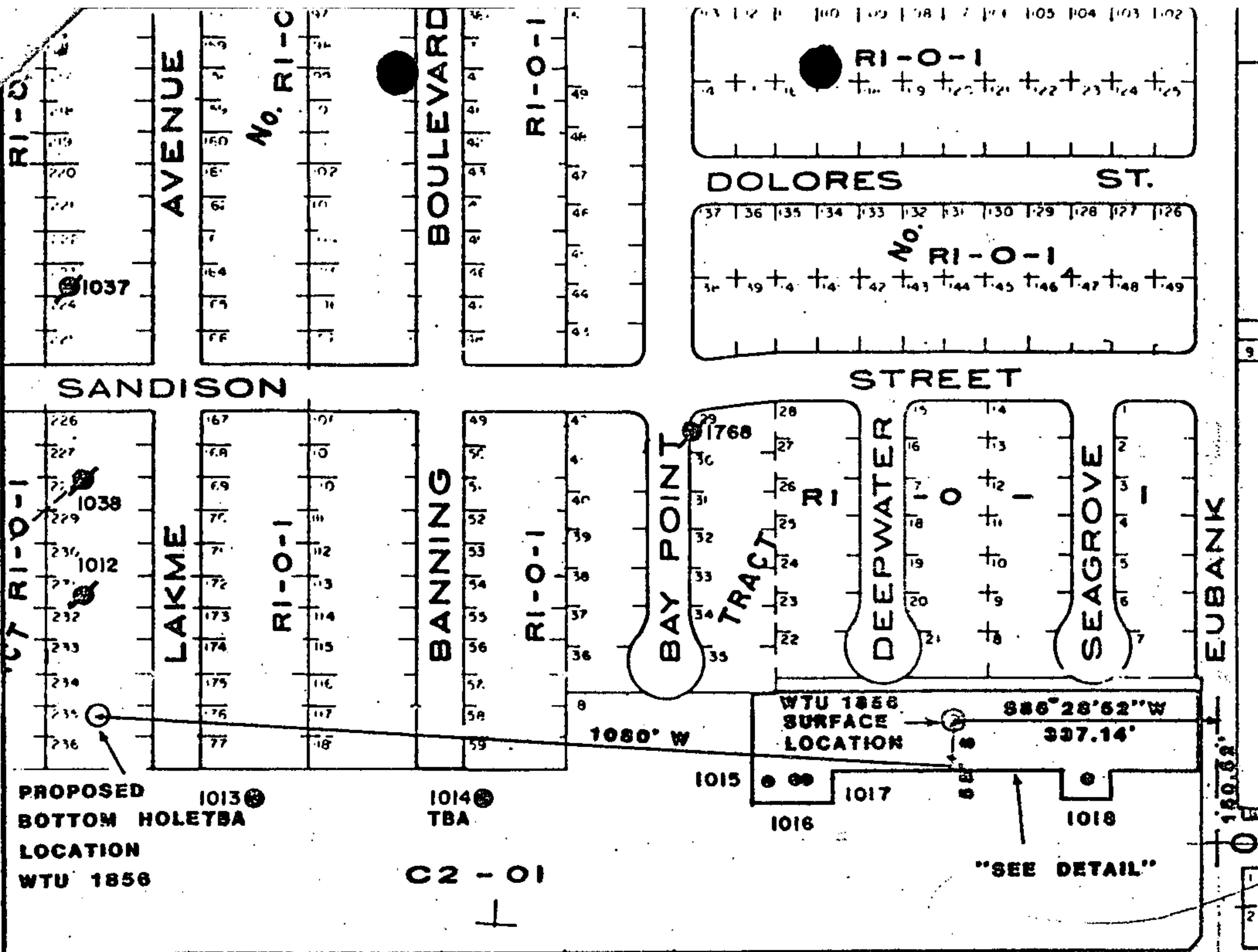
Photon Log 3698'-3200'; DIFL 3721'-825'

Other surveys

Directional Survey, Water Shut Off

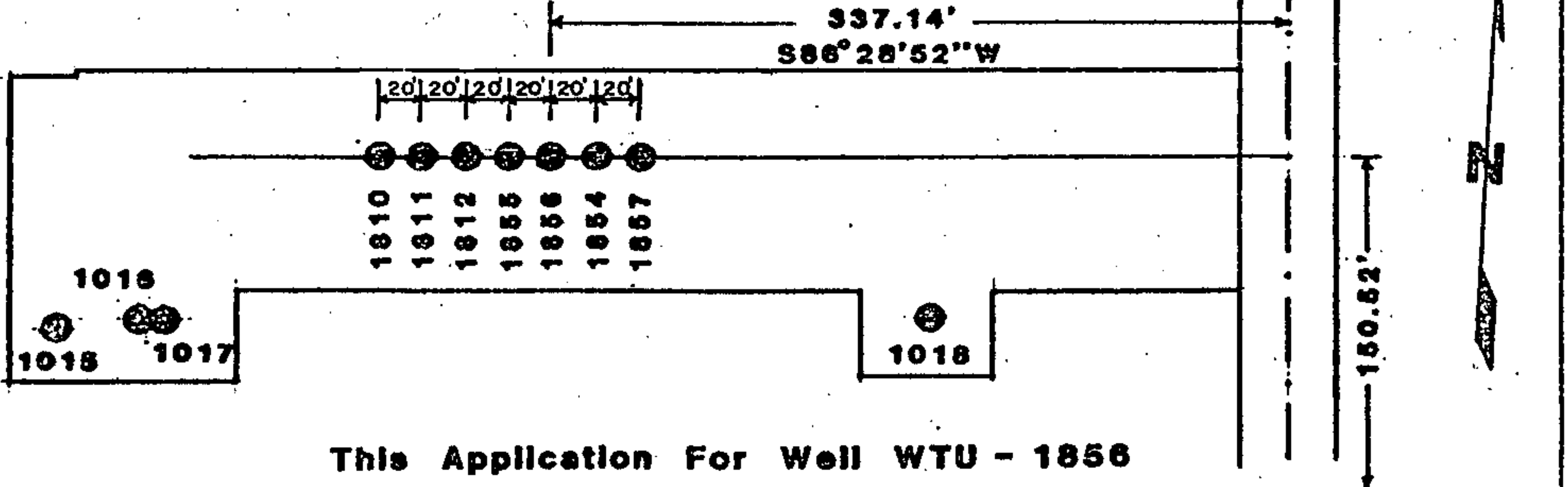
In compliance with Sec. 3215, Division 3 of the Public Resources Code, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Name V. L. Flores		Title Revenue & Regulatory Accounting Acting Sect Head	
Address 1800 Ave. of the Stars		City Los Angeles, Ca	Zip Code 90067
Telephone Number (213) 552-5400	Signature <i>Virginia L. Flores</i>	Date 7-3-80	



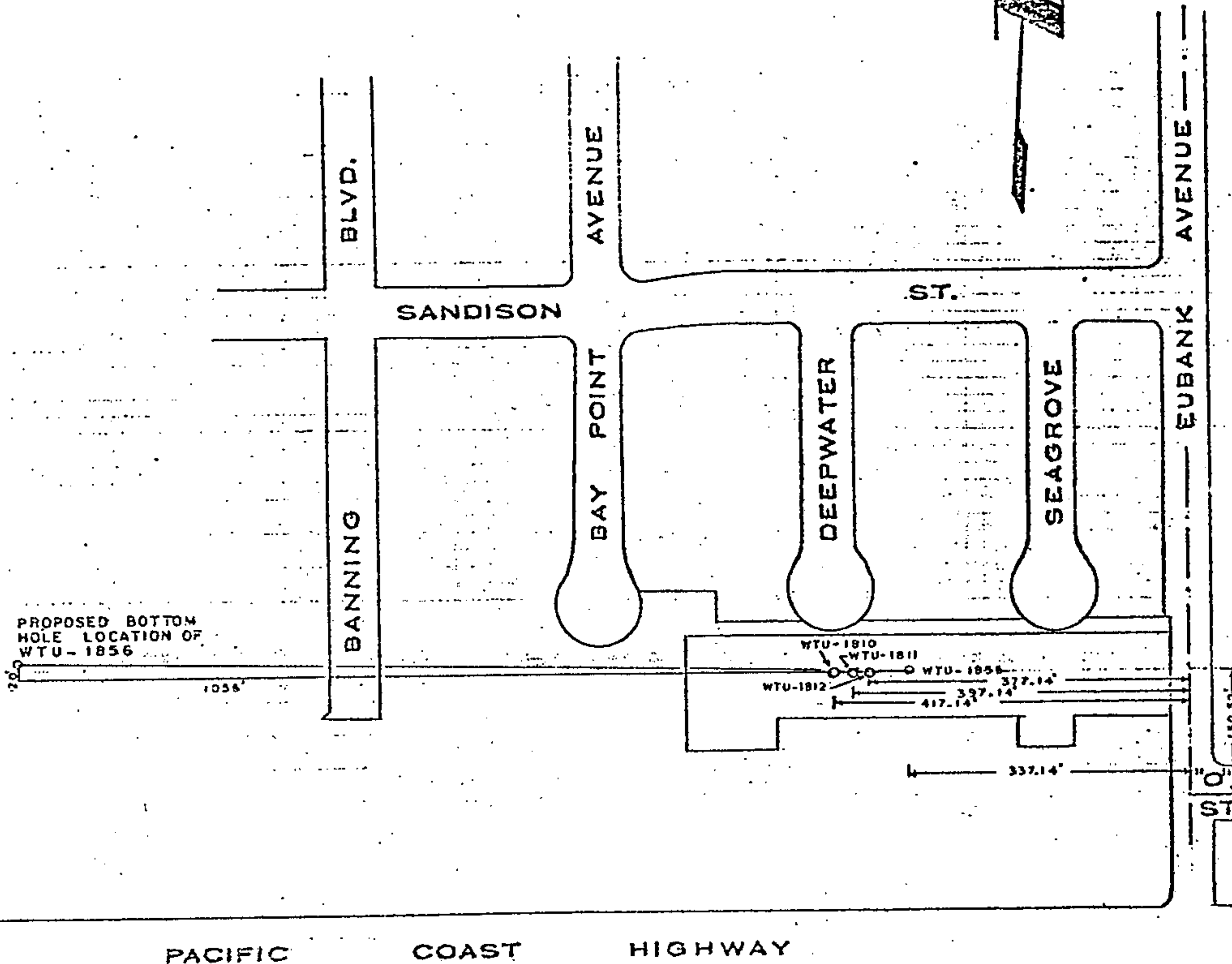
**DETAIL**

SCALE 1" : 100'



This Application For Well WTU - 1856

<b>PROPOSED LOCATION FOR WELL WTU - 1856</b> <b>WILMINGTON FIELD</b> <b>LOS ANGELES COUNTY, CALIFORNIA</b>		<b>EXXON COMPANY, U.S.A.</b> <b>PRODUCTION DEPARTMENT</b>	
DRAWN <b>M. Javier</b> CHECKED _____	ENGR. SECTION _____ APPROVED _____	SCALE <b>1" : 200'</b> DATE <b>1-15-80</b>	JOB NO. _____ FILE NO. <b>LBA 728</b>



This Application for Well No. 1856

PROPOSED LOCATION FOR WELL WTU-1856  
WILMINGTON FIELD  
LOS ANGELES COUNTY, CALIFORNIA

EXXON COMPANY, U.S.A.  
PRODUCTION DEPARTMENT

DATE MEL C. JAVIER

INSTR. SECTION

REVISED

8-7-79  
8-23-79

SCALE

1" = 200'

JOB NO.

FILE NO.

DATE

7-16-79

LBA 728



**DIVISION OF OIL AND GAS**  
**Notice of Intention to Drill New Well**

0 & G  
Sec 3606

C.E.Q.A. INFORMATION			
EXEMPT <input type="checkbox"/>	NEG. DEC. <input type="checkbox"/>	E.I.R. <input type="checkbox"/>	DOCUMENT NOT REQUIRED BY LOCAL JURISDICTION <input checked="" type="checkbox"/>
CLASS _____	S.C.H. NO. _____	S.C.H. NO. _____	
See Reverse Side			

FOR DIVISION USE ONLY					
MAP	MAP BOOK	CARDS	BOND	FORMS	
				114	121
138	11-13-79	AL	B	AL	AL

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to commence drilling well # WTU-1857, API No. Q37-221QZ (Assigned by Division)  
Sec. 29, T. 4S, R. 13 W S.B. B. & M., Wilmington Field, Los Angeles County.

Legal description of mineral-right lease, consisting of \_\_\_\_\_ acres, is as follows: \_\_\_\_\_  
(Attach map or plat to scale)  
Wilmington Townlot Unit

Do mineral and surface leases coincide? Yes ☒ No \_\_\_\_\_ If answer is no, attach legal description of both surface and mineral leases, and map or plat to scale.

Location of well \_\_\_\_\_ feet \_\_\_\_\_ along section/property line and \_\_\_\_\_ feet \_\_\_\_\_  
(Direction) (Cross out one) (Direction)

at right angles to said line from the \_\_\_\_\_ corner of section/property \_\_\_\_\_ or  
(Cross out one)  
297.1'W & 150.5'N of C/L intersection of "O" Street and Eubank Avenue

Is this a critical well according to the definition on the reverse side of this form? Yes ☒ No ☐

If well is to be directionally drilled, show proposed coordinates (from surface location) at total depth:  
40 feet North and 828 feet East  
(Direction) (Direction)

Elevation of ground above sea level 35 feet.

All depth measurements taken from top of Kelly Bushing that is 10 feet above ground.  
(Derrick Floor, Rotary Table, or Kelly Bushing)

**PROPOSED CASING PROGRAM**

SIZE OF CASING INCHES API	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS	CALCULATED FILL BEHIND CASING
16"	62.58"	Conductor	KB	40'+	Shoe to Surface	
10-3/4"	40.5#	K-55 ST&C	KB	800'+	Shoe to Surface	
7"	20.0#	K-55 ST&C	KB	3370'+	Shoe to Surface	
4-1/2"	11.6#	K-55 ST&C	3320'+	3713'+	Will not be cemented - Gravel packed	

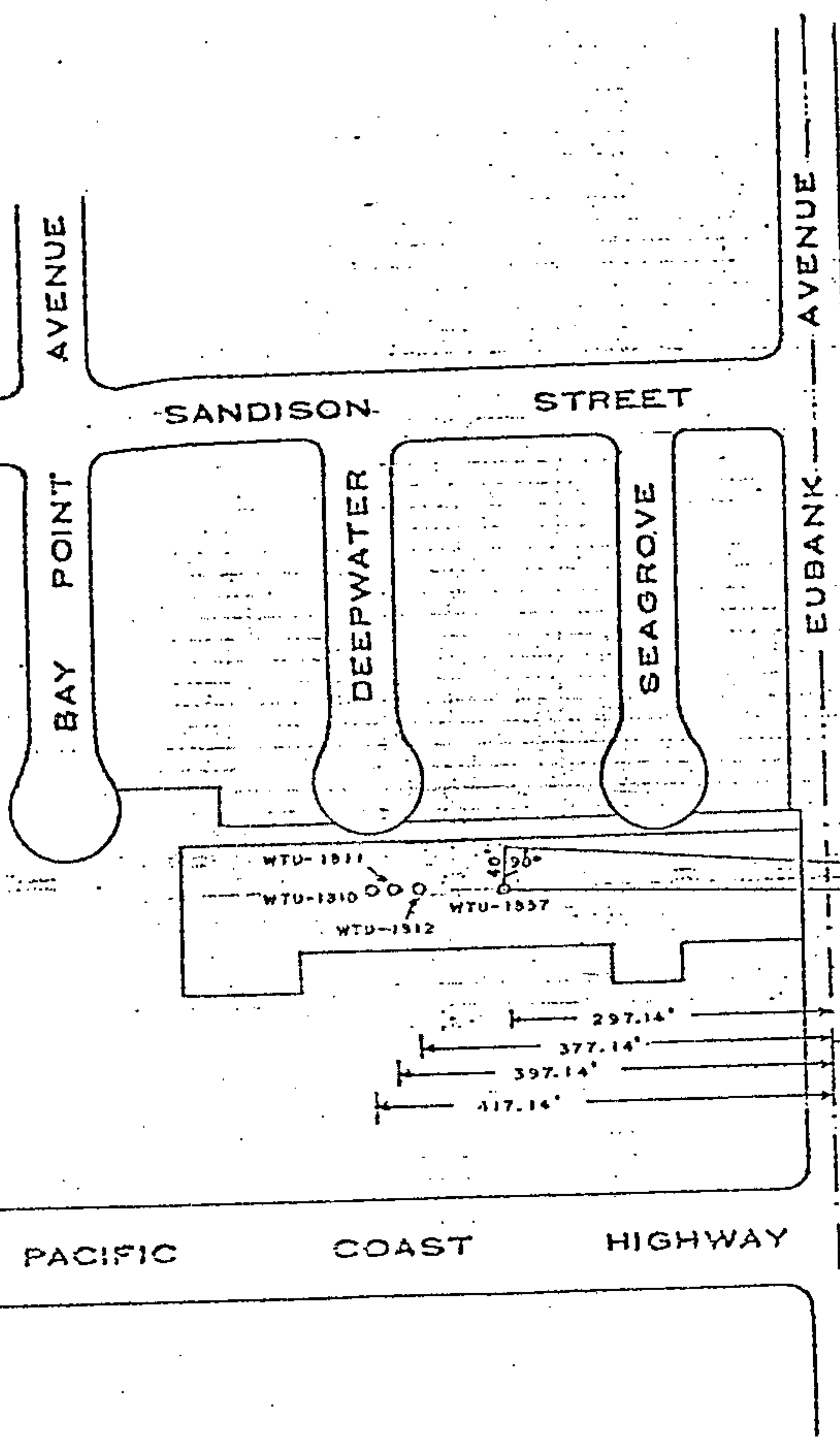
(A complete drilling program is preferred and may be submitted in lieu of the above program.)

Intended zone(s) of completion Ranger 3150'-3550' TVD (1300 psi) F B I Estimated total depth 3550'  
(Name, depth, and expected pressure)

It is understood that if changes in this plan become necessary we are to notify you immediately.

Name of Operator <u>Exxon Co., U.S.A.</u>		Type of Organization (Corporation, Partnership, Individual, etc.) <u>Corporation</u>	
Address <u>1800 Avenue of the Stars</u>		City <u>Los Angeles</u>	Zip Code <u>90062</u>
Telephone Number <u>552-5757</u>	Name of Person Filing Notice <u>R. F. Primerano</u>	Signature <u>R. F. Primerano</u>	Date <u>11/13/79</u>

This notice and indemnity or cash bond shall be filed, and approval given, before drilling begins. If operations have not commenced within one year of receipt of the notice, this notice will be considered cancelled.



PROPOSED BOTTOM  
HOLE LOCATION OF  
WTU-1857

This Application for Well No. 1857

PROPOSED LOCATION FOR WELL WTU-1857  
WILMINGTON FIELD  
LOS ANGELES COUNTY, CALIFORNIA

EXXON COMPANY, U.S.A.  
PRODUCTION DEPARTMENT

DRAWN MEL C. JAVIER	DATE 8-23-79	SCALE 1" = 200'	JOB NO.	FIELD NO. LBA 733
APPROVED	DATE 8-8-79			