



10/1/2020

County: Sutter - Reclamation District 1001
Thomas Engler
1959 Cornelius Ave., Rio Oso, CA 95674, USA
Engler@mbkengineers.com

Construction Site Well Review (CSWR) ID: 1012131

Assessor Parcel Number(s): 34140007

Property Owner(s): Kim Reese

Project Location Address: 1959 Cornelius Ave., Rio Oso, California, 95674

Project Title: SCH Number 2020099009, Reclamation District 1001, Auxiliary Drainage Pump Station Project

Public Resources Code (PRC) § 3208.1 establishes well reabandonment responsibility when a previously plugged and abandoned well will 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, and geothermal wells.

The California Geologic Energy Management Division (CalGEM) has received and reviewed the above referenced project dated 9/23/2020. To assist local permitting agencies, property owners, and developers in making wise land use decisions regarding potential development near oil, gas, or geothermal wells, the CalGEM provides the following well evaluation.

The project is located in Sutter County, within the boundaries of the following fields:

According to CalGEM records, there are no oil and gas wells located within the Reclamation District 1001 Auxiliary Drainage Pump Station Proposed Project Area.

However, there is one plugged and abandoned well located on the same parcel, (APN 34140007). This well is referred to as the "Nicholas 2", API 0410120044. The well is plugged and abandoned and located approximately 1,000 feet away from the Southwest corner of the proposed project area.

It should also be noted that there is another plugged and abandoned well located on a neighboring parcel. This well is located within 1,300 feet of the Northwest corner of the proposed project area. This well is referred to as the "American unit 1 number 1", API 0410100226.

Our records indicate there are 0 known oil or gas wells located within the project boundary as identified in the application.

- Number of wells Not Abandoned to Current CalGEM Requirements as Prescribed by Law and



Projected to Be Built Over or Have Future Access Impeded by this project: 0

- Number of wells Not Abandoned to Current CalGEM Requirements as Prescribed by Law and Not Projected to Be Built Over or Have Future Access Impeded by this project: 0
- Number of wells Abandoned to Current Division Requirements as Prescribed by Law and Projected to Be Built Over or Have Future Access Impeded by this project: 0
- Number of wells Abandoned to Current Division Requirements as Prescribed by Law and Not Projected to Be Built Over or Have Future Access Impeded by this project: 0

The CalGEM 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 CalGEM requirements as prescribed by law 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 CalGEM acknowledges wells plugged and abandoned to the most current CalGEM requirements as prescribed by law have a lower probability of leaking in the future, however there are no guarantees that such abandonments will not leak.

The CalGEM 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 CalGEM in Latitude and Longitude, NAD 83 decimal format. The CalGEM expects any wells found leaking to be reported to it immediately.

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

PRC § 3208.1 give the CalGEM 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 CalGEM requirements at the time of 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 CalGEM 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 CalGEM 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.

No well work may be performed on any oil, gas, or geothermal well without written approval from the CalGEM. Well work requiring approval includes, but is not limited to, mitigating leaking gas or other fluids from abandoned wells, modifications to well casings, and/or any other re-abandonment work. The CalGEM 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 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 CalGEM is required before work can start.

The CalGEM 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 CalGEM 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 CalGEM has statutory 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 CalGEM 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 property owner is expected to immediately notify the Division's construction site well review engineer in the Northern district office, and file for CalGEM review an amended site plan with well casing diagrams. The District office will send a follow-up well evaluation letter to the property owner and local permitting agency.

Should you have any questions, please contact me at (916) 324-7120 or via email at Charlene.Wardlow@conservation.ca.gov

Sincerely,

DocuSigned by:

Charlene L Wardlow

Charlene Wardlow

Northern District Deputy

Well American Unit 1: 1
 API: **0410100226**
 Lease: American Unit 1
 Well Number: 1
 Type: Dry Hole
 Status: Plugged
 Operator: Venoco, LLC
 Approximate distance
 from canal: 1477 feet

Canal

**Auxiliary Drainage
 Pump Station Project:
 2020099009**

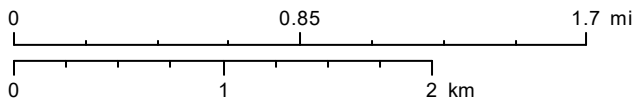
SITE GPS: 38.801056 -121.580639

Well: Nicholas 2
 API: **0410120044**
 Lease: Nicholas
 Well Number: 2
 Type: Dry Hole
 Status: Plugged
 Operator: Reynolds & Carver
 Approximate distance from site: 1843 feet

Sutter

Yolo

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



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WellSTAR
 9/23/2020



California Natural Resources Agency
 Department of Conservation

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 Sacramento, CA 95814-3530
 Phone: (916) 445-9686
 Email: calgem_webmaster@conservation.ca.gov
www.conservation.gov/calgem

Well Status & Type

● Active	● Oil & Gas	○ Observation
● Idle	⊗ Gas	Ⓜ Multi-purpose
● New	⊖ Dry Hole	Ⓢ Water Source
● Plugged	⬇ Injection	? Unknown
● Canceled	⬇ Cyclic Steam	⊕ Core Hole
○ Unknown	⬇ Gas Storage	