

Communication from Public

Name: Pico Robertson Health and Safety Coalition

Date Submitted: 03/08/2023 03:31 PM

Council File No: 21-1025

Comments for Public Posting: Please see the appended email sent to CD5 Council Member Katy Yaroslavsky, CD5 Chief of Staff Gary Gero and CD5 Deputy Chief of Staff Kristen Pawling. It is the 2nd of a set of 4 emails submitting detailed information and documents about eight (8) new unapproved (and hence prohibited) projects on oil wells at the West Pico, Hillcrest, and Rancho Park Drill Sites in CD5. This email provides details and extensive documentation on three (3) oil well casing rework projects that were fully completed at the Hillcrest Drill Site between October and December 2022 - without required applications, review, and approvals by the ZA, and thus also without required CEQA clearance of any kind. The Hillcrest Drill Site is less than one mile from the West Pico Drill Site. Cumulative Impact is one of many factors that makes the Categorical Exemption at West Pico improper.

Subject: email 2 of 4: Documents and information on the 3 completed well casing rework projects at Hillcrest

From:

Date: 2/15/2023, 5:46 PM

To: Gary Gero <gary.gero@lacity.org>, Kristen Pawling <kristen.pawling@lacity.org>, Katy Yaroslavsky <katy.yaroslavsky@lacity.org>

CC:

Dear Gary, Kristen, and Katy

This second email (2nd of 4) is going to transmit documentation and information on the 3 fully completed projects to rework well casings at the Hillcrest Drill Site, operated by the Hillcrest Beverly Oil Company (HBOC, a subsidiary of E & B Natural Resources).

Basic points to follow in the documents:

- These projects had permits processed and approved by CalGEM in October 2022, and they were all completed by December 2022.
- Despite the fact that the LA City ZA had written to the company in April 2021 about unapproved projects and quoted City Code that prohibited oil well projects without prior ZA approval, HBOC submitted no applications to the ZA.
- Because there was no ZA case, there was no CEQA clearance of any kind.
- Despite express instruction from CalGEM that local approvals and local lead agency CEQA clearance are required prior to CalGEM approval of the permits, HBOC went ahead anyway and told CalGEM that the ZA's 1957 approval for opening the Drill Site was a CEQA clearance and a CEQA Notice of Determination.
- CEQA did not exist until 1970, so the claim of a 1957 CEQA clearance should have been a flaming red flag. But CalGEM approved the permit.
- HBOC fully executed the physical projects in October - December 2022, while the City was passing its new ordinance, while the West Pico noncompliance case was open, while a Rancho Park Drill Site ZA case also involving HBOC was open on the ZA's desk.
- And HBOC has also initiated 4 sidetrack projects at Hillcrest and Rancho Park in November-December 2022 (documents for those in the next email).

The key permitting documents from CalGEM are attached to this email as pdf files, each one labelled by the API # for each well that had a well casing rework project.

For each of the 3 wells:

- a copy of the Notice of Intent application as approved by CalGEM with the "Comments" from CalGEM staff and the "Review Tasks" list of CalGEM staff members' approvals. See the CEQA section of the NOI for the submission of the 1957 ZA approval as the CEQA clearance, which HBOC claimed was an ND, MND, or EIR - not an exemption.
- a copy of the CalGEM permit that was issued.
- copies of the initial proposed Wellbore Diagram showing the work that was initially proposed and the final Wellbore Diagram showing the work that was actually performed as required by CalGEM's revision of the proposal.
- copies of the "Well History" forms that CalGEM requires after completion of a project. These documents detail the work that was done day-by-day and provide confirmation that the project was fully completed.

Each NOI application to CalGEM included a copy of the 1957 ZA approval for the Drill Site.

- One copy of the 1957 ZA Approval is attached to this email.

CalGEM's "Comments" on all three NOI applications record that CalGEM's CEQA staff directed HBOC to review CalGEM's CEQA instructions that lay out the sequential priority of obtaining local approval and local lead agency CEQA clearance before submitting an application to CalGEM.

- The CalGEM CEQA instruction booklet is here (same link provided in CalGEM's Comments on the NOIs):
<https://www.conservation.ca.gov/calgem/Documents/WellSTAR/All-Training/R5.1.1-CEQA-UG.pdf>

The ZA's April 21, 2022 letter to HBOC inquired about some prior unapproved projects and advised HBOC of City Code requirements for application to the ZA (which trigger CEQA cases requiring clearance) and the City's express prohibition of unapproved projects.

- A copy of the ZA's 2021 letter is attached to this email. Planning posted a copy online in 2022, at this link: <https://planning.lacity.org/pdiscaseinfo/document/MjEwNzg0/1823a02c-5d95-4003-95c4-258347c32f18/pdd>
- The ZA letter omits mention of earlier unapproved projects at Hillcrest that were brought to the City's attention in 2017.
- A few other comments are merited about this letter. It contains several very substantial errors and confusions about different kinds of well projects and permitting by CalGEM. Important as this is for similar problems in the new City ordinance, it is a subject better left for another time.

Finally, there is an almost completed review by the State Water Quality Control Board and CalGEM of what is called the Underground Injection Control (UIC) project at the Hillcrest Drill Site.

The UIC Project not a project in the CEQA sense of the word, but instead is defined in State Code (Cal. Code. Reg, Title 14, Section 1720.1) as meaning the "sustained or recurring injection into one or more wells over an extended period into an approved injection zone for the purpose of enhanced oil recovery, disposal, storage of liquid hydrocarbons, pressure maintenance, or subsidence mitigation." The UIC project review is about the configuration and operation of injection wells (in groups if they are co-located to inject into the same geological zone) and their impact on the geology and on nearby producer wells, for the purpose of protecting fresh groundwater as per the Federal Safe Drinking Water Act, EPA regulations, and State law and regulations.

The ZA approval for opening the Hillcrest Drill Site, like many other such ZA approvals to open drill sites, set conditions for protecting fresh groundwater. In the 1950s and 1960s, these approvals often mentioned LADWP as the relevant agency whose authority the ZA ruled must be followed by the site operator as a condition of use. The Water Board and CalGEM are implicit successors with that role, but the City and ZA have generally abdicated their responsibility from the original ZA grants to track compliance and/or request Water Board or CalGEM investigations or actions.

CalGEM has, so far, not made records from the UIC review of Hillcrest publicly visible on its WellSTAR system. It typically makes them visible after the review is fully completed.

- There is, however, a December 1, 2021 CalGEM Notice of Violation viewable on WellSTAR for HBOC's failure to supply documentation for the UIC review by the prescribed deadline. A copy of the NOV is attached.
- I have a CPRA request pending at CalGEM for documents related to the UIC review.

The Water Board, in contrast, has significant documentation posted online for public access on its Geotracker system.

- The record of Water Board's part of the UIC review is here: https://geotracker.waterboards.ca.gov/_profile_report.asp?global_id=T10000017371
- The list of communications and meetings at the bottom of the summary page is important.
- On the page opened from the "Documents" tab, there is a link to a packet of review documents. The two most important documents are:
 - The Water Board's February 28, 2022 letter to CalGEM requesting information, clarifications. and some explanations of regulatory opinions on which CalGEM and the Water Board disagreed at first. That document is here: https://documents.geotracker.waterboards.ca.gov/regulators/deliverable_documents/1746037125/UIC%2005406003_Technical%20Review%20Questions%20Memo.pdf
 - CalGEM's April 22, 2022 email to the Water Board, responding to the Water Board's queries. That document is here: https://documents.geotracker.waterboards.ca.gov/regulators/deliverable_documents/9053867936/Email%20CalGEM%20to%20WB%20Response%20to%20Technical%20Review%20Questions%2004-22-2022.pdf

Here is an explanation of what happened:

The UIC review by the Water Board and CalGEM is an intensive "Project by Project" review meant to bring all UIC projects in the State up to code to protect fresh groundwater. This type of review was commenced in 2019 after years of scandal at DOGGR (CalGEM's old name) and Federal EPA reports castigating the State for not performing duties delegated to the State under the Safe Drinking Water Act.

The UIC review examines all wells, not just injection wells, that cross through the geological zones where injection wells inject produced water. These zones are three dimensional underground areas defined by their porosity and by differing geological features that surround and contain them. Areas outside the zone have different porosity or even impermeable barriers. Injection zones are typically more porous so as to accept injection.

Wells that pass within 1/4 mile of injection wells in geological injection zones OR within the range of injection water dispersal that has been modeled by engineers (often a wider distance) are included in the "Area of Review" and examined in the UIC review. Thus some producer wells as well as injection wells are studied, and fully abandoned (i.e., plugged) wells in the Area of Review are studied, too, to make sure they will not be conduits for contamination of fresh groundwater.

Many parts of the UIC review are about the injection of produced water and its dispersal. Much of this is technically complex.

But one part of the UIC review is much simpler to understand and is pertinent to the three well casing rework projects: Identifying any improperly or inadequately constructed wells that can be conduits to contaminate fresh groundwater.

- The Water Board found that four wells at Hillcrest had well casings that were not properly cemented to the surrounding earth and thus the exterior of the wells posed a risk of being conduits for hydrocarbons to rise from lower strata up into the fresh groundwater that is required to be protected by the Federal Clean Water Act.
- In those four wells, CalGEM at first contended the wells could not be conduits because the bottom portions of the well casings, from which oil and gas and brine water are produced, were cemented across the ceiling of the producing zone. CalGEM contended that would prevent contaminants from rising up the outside of the casing.
- But, as the documents suggest and one of the Water Board engineers confirmed to me, the Water Board showed CalGEM that CalGEM's own data and reports indicated that there is an "overlying" hydrocarbon zone above the lower zone being produced. The Water Board contended that the lack of cement outside the casing between that overlying zone and the bottom of the USDW (Underground Stored Drinking Water) meant the uncemented exterior of the casings could be or become conduits for contamination.
- The list of communications and meetings on the Water Board's summary page for the UIC review indicates that the Water Board pressed the matter and persuaded CalGEM. The Water Board engineer confirmed this.
- As a result of the Water Board's diligence, CalGEM clearly communicated to HBOC the need to do remedial work on these wells. HBOC told CalGEM it will plug one of those four wells in 2023 and do the cement work on the exterior of the casing then. And HBOC proceeded to obtain permits from CalGEM to do casing rework projects on the other three wells.

What this all means for thinking about the unapproved projects and the larger failure of the City to do monitoring and enforcement for general compliance with City Code and City regulations:

As you can read in the NOI permit applications to CalGEM, the three well casing rework projects were to perforate the well casings across the base of the USDW zone and then squeeze cement outside the casing to create a seal to prevent contamination from rising up to the USDW.

These were projects to protect fresh groundwater and would need to be done if the wells were being fully abandoned as well as if the wells continue to be active or idle (they are a mix of all three).

The only reason the fresh water table has been protected in this way is because the Water Board pushed to enforce requirements, and that happened only because of years of work to force the State to perform its

duties under the Safe Drinking Water Act. The critical role of enforcement is at the center of this story.

The act of enforcement in this case is good and very important. But it also highlights the fact that there was not enforcement for decades. The original MOU between the EPA and California for the State to manage UIC projects dates to 1982. The Safe Drinking Water Act dates to 1974. The ZA approval for the opening of the Drill Site also required protection of fresh groundwater. For decades no one was paying attention.

Let's look at the ongoing systemic problem:

The Water Board's act of enforcement was important. It prompted HBOC to do remedial work on the well casings to protect fresh groundwater. That is good.

But none of this is a get-out-of-required-permitting-&-approval card.

Proper approvals and reviews are needed whether you like a project or don't like a project. That is rule of law. That is what enables a regulatory system to work. It also allows updating of conditions, which is especially important when they have not had a truly serious examination since the 1957 opening of the Drill Site.

Systemically and repeatedly allowing unapproved projects that are prohibited encourages more unapproved projects. We see that here.

HBOC had been warned in 2021 about unapproved projects, but without consequence. Meanwhile, similar things happened at West Pico and at the Banning Drill Site in Wilmington.

HBOC got away with a non-existent CEQA approval and no LA City application in fall 2022 for the three casing rework projects without City attention. The City was not watching. And then HBOC initiated four sidetrack projects at Hillcrest and Rancho Park without application to the City and without CEQA clearance (documents to be sent in 3rd email).

Sidetrack projects are always and only about producing more oil. I cannot imagine a possible case in which a side-track could have an environmental, health, or safety rationale. A well casing rework and some other types of projects can, in some cases, have such a justification. Happy to walk you through that if you want. But sidetrack projects? I cannot think of a possible reason except to produce more oil.

SB1137 is suspended, and so it will not prevent CalGEM from issuing permits for sidetracks. The City's message is that it is not looking and does not enforce its own code, not even prohibitions.

One of the sidetracks is proposed for Rancho Park, where HBOC has an open check-up review on the ZA's desk right now, with an application that says that they are not proposing any new project. Same thing happened at West Pico in 2005-06, when a new well was drilled without application to the ZA, even as the ZA had a checkup review open on his desk at that very time. In fact, the same thing is going at West Pico now, too with pending well casing rework project (documents in 4th email)

The three unapproved projects at Hillcrest are manifestations of a dangerous systemic problem that is ongoing. The fact that those three well casing rework projects at Hillcrest do not expand production and only protect fresh groundwater does not change the big picture. Some projects should be approved while others should be prohibited and/or should be denied after a proper review. Without monitoring and enforcement, the City's prohibitions now will be violated as much as they have been for the past decades.

Yours

Prof. Michael Salman

Attachments:

0403700109 NOI Approved CalGEM.pdf	76.3 KB
0403700109 CalGEM Permit 10-13-22.pdf	161 KB
0403700109 initial proposed Wellbore Diagram.pdf	129 KB
0403700109 completed Wellbore Diagram.pdf	130 KB
0403700109 CalGEM Well History.pdf	370 KB
0403700111 NOI Approved CalGEM.pdf	85.3 KB
0403700111 CalGEM Permit 10-13-22.pdf	161 KB
0403700111 initial proposed Wellbore Diagram.pdf	125 KB
0403700111 completed Wellbore Diagram.pdf	125 KB
0403700111 CalGEM Well History.pdf	370 KB
0403701054 NOI Approved CalGEM.pdf	75.7 KB
0403701054 CalGEM Permit 10-13-22.pdf	161 KB
0403701054 initial proposal Wellbore Diagram.pdf	125 KB
0403701054 completed Wellbore Diagram.pdf	126 KB
0403701054 CalGEM Well History.pdf	369 KB
ZA-1957-14422.pdf	2.9 MB
ZA to HBOC re Hillcrest 4-21-21 ZA57-14422 LOC.pdf	166 KB
CalGEM NOV for UIC project 12-1-21.pdf	162 KB

Form Information

Form Name Notice of Intention	Organization Hillcrest Beverly Oil Corp.	Notice Type Rework	Is this a Supplementary Notice to a previously approved permit? No
Well API 0403700109	Wellbore Number 00	Permit No	Description BHC-6 Cement Squeeze to Isolate USDW

Operator Information

Organization Name Hillcrest Beverly Oil Corp.	Type of Organization Corporation	Address Line 1 1600 Norris Road	Address Line 2
City, State, Zip Bakersfield, CA, 93308	Phone Number (661) 679-1700	Ext	

Operator Information - Form Contacts

Name Trenton Reed	Phone Number	Email trenton.reed@ebresources.com	Role Submitter
Name Louis Zylstra	Phone Number (714) 968-4770	Email lzylstra@ebresources.com	Role Agent
Name Samuel Layton	Phone Number	Email samuel.layton@ebresources.com	Role Technical Contact

Well Information 1

Current Well Type Oil & Gas	Proposed Well Type Oil & Gas	Date 9/26/2022	Bond Number RLB0015649
Please enter the Oil and Gas Lease associated to this Notice 260141-Beverly Hills Community	Notice Type Rework	Leases Coincide No	Submitted Bond Form Used No
Well Name Unspecified	Submitted Lease Form Used No	Well Number 6	Well Designation
Area West	UIC Project Code	UGS Project Code	Field Beverly Hills
This notice submitted in conjunction with a request for Well Stimulation project authorization No	This is an Exploratory Well No	This is a dry hole No	This notice includes a confidentiality request letter No
	The presence of H2S (Hydrogen Sulfide) or waste gas is anticipated No	H2S Concentration	This well penetrates or passes through a UIC Project No
	Penetrated UIC Project Code	This well penetrates or passes through a UGS Project No	Penetrated UGS Project Code
			This proposal will result in the well passing into, or through, a thermal enhanced recovery project

No

Well Information 2

Depth measurements are referenced to Kelly Bushing	Feet Above Ground 12	Elevation of ground above Mean Sea Level Proposed 210	Please select the direction of this wellbore Directional
This well will be drilled with underbalanced fluids program No	Fresh Water is present Yes	USDW present Yes	Describe any known significant geologic markers below, and estimated depths
Annular Preventer Yes	Pressure rating (in PSI) 3000	Pipe Present Yes	Pipe Pressure rating (in PSI) 3000
Pipe Count 1	Blind Present Yes	Blind Pressure rating (in PSI) 3000	Blind Count 1
Shear Present Yes	Shear Pressure rating (in PSI) 3000	Shear Count 1	Rotating Head Present No
Rotating Head Pressure rating (in PSI)	Salt formations are anticipated No	Formation Names	Salt Based Drilling fluids will be used No
Oil Based Drilling fluids will be used No	Mud System	Mud Disposal Method	Cuttings Disposal

Well Information 2 - Wellbore Depths Grid

Proposed Bottom Hole MD	Proposed Bottom Hole TVD	Actual Bottom Hole MD	Actual Bottom Hole TVD
Proposed Plugback Depth MD	Proposed Plugback Depth TVD	Actual Plugback Depth MD	Actual Plugback Depth TVD

Well Information 2 - Zones of Significance

Zone Category Fresh Water	Zone Name	Expected/Actual	Top TVD
Top MD	Bottom TVD 644	Bottom MD 657	Pressure
Oil Gas Show No			

Zone Category USDW	Zone Name	Expected/Actual	Top TVD
Top MD 931	Bottom TVD 931	Bottom MD 965	Pressure
Oil Gas Show			

Zone Category Hydrocarbon Zones	Zone Name Repetto-Wolfskill	Expected/Actual	Top TVD 2840
Top MD 3366	Bottom TVD	Bottom MD	Pressure
Oil Gas Show			

Zone Category Hydrocarbon Zones	Zone Name Repetto	Expected/Actual	Top TVD 3330
Top MD 3995	Bottom TVD	Bottom MD	Pressure
Oil Gas Show			

Zone Category Hydrocarbon Zones	Zone Name Repetto-Main (Hauser)	Expected/Actual	Top TVD 4820
Top MD 5674	Bottom TVD	Bottom MD	Pressure
Oil Gas Show			

Zone Category Hydrocarbon Zones	Zone Name Modelo-Deep (Ogden)	Expected/Actual	Top TVD 6083
Top MD 6942	Bottom TVD	Bottom MD	Pressure
Oil Gas Show			

Location

Surface Section 25	Surface Township 01S	Surface Range 15W	Surface B&M SB
Surface Field Beverly Hills	Surface Latitude (NAD 83) 34.05071259	Surface Longitude (NAD 83) -118.40547943	Surface County Los Angeles

Surface Corner Call 805.33' South & 153.78' West From the Centerlines of Pico BLVD and Peg Place		Source Operator Submitted	Date Collected	
		Location Description	Offshore Well No	
Urban Area Yes	Tidal Zone No	Critical well as defined in CCR, title 14, Section 1720(a): Yes		
Critical Well Information Well Within 300' of human occupied building		Environmentally sensitive well as defined in CCR, title 14, Section 1760(f): Yes	Environmentally Sensitive Well Information Well Within 300' of human occupied building	
		Bottom Section 25		
Bottom Township 01S	Bottom Range 15W	Bottom B&M SB	Bottom Field Beverly Hills	
Bottom Latitude 34.057799	Bottom Longitude -118.4080458	Bottom County Los Angeles	Bottom Corner N/A	

Feature And Cement ▶			
Notes			

Feature And Cement - Wellbore Construction Features ▶			
Feature Borehole	Unique ID F1	Top 0	Bottom 813
Outside Diameter 18.625	Inside Diameter	Weight	Grade/Type
New Pipe	Install Date	RemoveDate	Pulled
Pressure	Connection Type	Description	Status New
Feature Borehole	Unique ID F2	Top 813	Bottom 840
Outside Diameter 12.250	Inside Diameter	Weight	Grade/Type
New Pipe	Install Date	RemoveDate	Pulled
Pressure	Connection Type	Description	Status New
Feature Borehole	Unique ID F3	Top 840	Bottom 8050
Outside Diameter 10.625	Inside Diameter	Weight	Grade/Type
New Pipe	Install Date	RemoveDate	Pulled

Pressure	Connection Type	Description	Status New
Feature Surface Casing	Unique ID F4	Top 0	Bottom 794
Outside Diameter 13.325	Inside Diameter	Weight 54.5	Grade/Type
New Pipe	Install Date	RemoveDate	Pulled
Pressure	Connection Type	Description	Status New
Feature Production Casing	Unique ID F5	Top 0	Bottom 8048
Outside Diameter 7	Inside Diameter	Weight 26	Grade/Type
New Pipe	Install Date	RemoveDate	Pulled
Pressure	Connection Type	Description	Status New

Feature And Cement - Cement Segments ▶

Associated Feature F5	Unique ID C1	Inside/Outside Casing Outside	Top 4810
---------------------------------	------------------------	-----------------------------------------	--------------------

Bottom 8048	Volume (Sacks)	Yield (cu ft per sack)	Volume (cubic ft)
Verify Method	Cementing Company	Install Date	Removal Date
Cement ID	Job Type	Description	Status New
Associated Feature F4	Unique ID C2	Inside/Outside Casing Outside	Top 0
Bottom 794	Volume (Sacks)	Yield (cu ft per sack)	Volume (cubic ft)
Verify Method	Cementing Company	Install Date	Removal Date
Cement ID	Job Type	Description	Status New

Feature And Cement - Cement Classes ▶

No Data to Display

Completion And Perforation ▶

Notes

Completion And Perforation - Completion Interval ▶

Unique ID C1	Type Oil & Gas	Interval Status Active	Field Beverly Hills
Area West	Pool Code Miocene	Top	Bottom
Formation	Status Current	Injection Method	

Completion And Perforation - Perforation ▶

No Data to Display

Proposed Work ▶

Proposed Work Description

CEQA Information ▶

Did the Local Agency prepare an Environmental Document for this project? Yes	If the Local Agency prepared an environmental document for this project, please indicate which of the following applies: Permit was issued, and the project is within scope of a prior environmental document	If an environmental document was not prepared, did the Local Agency determine this project to be exempt?: No, this project was not exempt
----------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------

Please indicate if a permit was issued:
No permit was issued or Permit is not required

Is there a CEQA Lead Agency? (other than CalGEM)
Yes

Is there a NEPA Lead Agency?
No

CEQA Project Description

See attached Document - CEQA Project Description ; See Condition 19 of ZA Case No 14422 (Page 9) "Additional Steps Shall be taken to prevent the vertical movement of brine into fresh water zones."

Surface Ownership Private
Yes

Surface Ownership State
No

Surface Ownership Federal
No

Surface Ownership Tribal
No

Surface Ownership Agency Name

Mineral Ownership Private
Yes

Mineral Ownership State
No

Mineral Ownership Federal
No

Mineral Ownership Tribal
No

Mineral Ownership Agency Name

CEQA Lead Agency
City of Los Angeles Planning Dept

CEQA Lead Agency Contact
Edber Macedo

CEQA Lead Agency Address
200 N. Spring St, Room 763

Address Line 2

City
Los Angeles

State
CA

Zip Code
90012

Phone Number

Phone Number Extension (Ext)

Email Address

Negative Declaration
No

Mitigated Negative Declaration
No

Environmental Impact Report
No

Subsequent
No

Supplemental
No

Addendum
No

Substitute Document
Yes

Project Title

Project Scope

Well Name: Beverly Hills Community 6 API #: 04-037-00109 Lease: Hillcrest Address:10000 W Pico Blvd, Los Angeles, CA 90064 Hillcrest Beverly Oil Company plans to squeeze Cement in order to isolate USDW on BHC-6 in the Beverly Hills field. This will involve the use of temporary equipment such as mud pumps, bins, cement mixers etc. Hillcrest Beverly Oil Company with follow all procedures and steps set forth by CalGEM. See Condition 19 of ZA Case No 14422 (Page 9) "Additional Steps Shall be taken to prevent the vertical movement of brine into fresh water zones."

Date EIR Certified or ND/MND Adopted
10/2/1957

State Clearinghouse Number

CEQA Notice Type
Notice of Determination

Local Agency Name

Local Agency Contact Name

CEQA Documentation

State Clearinghouse Number

CEQA Notice Type

Local Agency Contact Date

Phone Number

Phone Number Extension (Ext.)

Email Address

NEPA Lead Agency

NEPA Lead Agency Contact

NEPA Lead Agency Address

Address Line 2

City

State

Zip Code

Phone Number

Phone Number Extension (Ext)

Email Address

Categorical Exclusion
No

Environmental Assessment/FONSI/DNA
No

Sundry Notice
No

Environmental Impact Statement
No

Project Title

NEPA Project Number

Date of Decision Record/Record of Decision

Publication Date

Federal Register Notice Number

Document Upload

Upload Date
9/26/2022 1:54:59 PM

Uploaded By
Trenton Reed

Type
Wellbore Diagram

Description
BHC-6 Proposed WBD

Document ID

Document Type
pdf

Confidentiality Requested
No

Internal use only
No

Size
0.841 MB

Filename
BHC-6 USDW Isolation WBD.pdf

Upload Date 9/26/2022 1:54:59 PM	Uploaded By Trenton Reed	Type Other	Description BHC-6 Cement squeeze Program
Document ID	Document Type pdf	Confidentiality Requested No	Internal use only No
Size 0.069 MB	Filename BHC-6 USDW Isolation.pdf		

Upload Date 10/7/2022 4:34:53 PM	Uploaded By Samuel Layton	Type CEQA - Project Description	
Description CEQA Project Description - BHC-6 - Freshwater Protection -	Document ID	Document Type pdf	Internal use only No
Size 0.062 MB	Confidentiality Requested No		
	Filename Revised CEQA Project Description - OC1 - OC5 - BHC6.pdf		

Upload Date 10/7/2022 4:34:53 PM	Uploaded By Samuel Layton	Type CEQA - Notice of Determination	Description ZA Case No. 14422 - Hillcrest Drillsite
Document ID	Document Type pdf	Confidentiality Requested No	Internal use only No
Size 7.31 MB	Filename Case 14422 - 1957 HBOC Hillcrest.pdf		

Upload Date 10/12/2022 10:15:28 PM	Uploaded By Tamara Lopez	Type Other	Description Revised Program
Document ID	Document Type pdf	Confidentiality Requested No	Internal use only No
Size 0.070 MB	Filename BHC-6 USDW Isolation Program.pdf		

Form Submit - Online Form Association Grid ▶

No Data to Display

Form Submit - Acknowledgement ▶

Submit Date 10/7/2022	Submitter Name Samuel Layton	Submitter Email samuel.layton@ebresources.com	Submitter Organization Hillcrest Beverly Oil Corp. (H4325)
---------------------------------	----------------------------------------	---------------------------------------------------------	----------------------------------------------------------------------

Review And COAs ▶

Interested Federal Agencies	The Operator was given verbal approval to proceed with action before this permit was issued	If yes, please describe the reason	This proposed work Program is consistent with the requirements of Section 1726.5
No	No		No

Review And COAs – Conditions of Approval

This section was completed by an EDD, refer to EDD file to see original data values.

Confidentiality Review

Onshore/Offshore	Current Confidentiality Status	Current Confidentiality Expiration Date	Confidentiality Status
Onshore	Not Confidential		
Date Of Determination	Confidentiality Expiration Date		
10/10/2022 6:32:16 AM			

NOI Correspondence

Correspondence Type	Date	Agent Name	Agent Address Line 1
Approved Permit	10/10/2022	Louis Zylstra	1600 Norris Road
Agent Address Line 2	City	State	Zip Code
	Bakersfield	CA	93308
Organization Name	Subject		Signatory Name
Hillcrest Beverly Oil Corp.	Permit to Isolate Underground Source of Drinking Water for "BHC" 6, API 0403700109		Scott Walker
CC Organizations	Signatory Title	CC People	
	Senior Oil and Gas Engineer		
Correspondence Text	Engineer: Tamara Lopez Direct: (714) 822-9449 Office: (562) 637-4400		

Comments

Comment Date	Created By
9/29/2022 10:44:26 AM	Tharon Wright
Comment	
CEQA Step 10: Operator to review WellSTAR Guide here: https://www.conservation.ca.gov/calgem/CEQA and amend local agency section. CalGEM is not the local agency.	
Comment Date	Created By
10/7/2022 11:09:53 AM	Renee (Xinyi) Hu
Comment	
Please indicate environmental document exists in CEQA Step 10 and attach the document. In Project Scope, list the page numbers of the document that cover the activity Rework. The operator is requested to review page 7 for the project description (click CalGEM CEQA Webpage, then CEQA Project Description Example) and create a project description based on the examples provided for step 10. https://www.conservation.ca.gov/calgem/Documents/WellSTAR/All-Trainina/R5.1.1-CEQA-UG.pdf	

Review Tasks

Task Name	Workgroup	Assigned To	Created
Notice of Intention Review	Southern Notice Review	Barry Irick	10/10/2022 9:51:40 AM
Last Updated			

10/10/2022 9:54:33 AM

Review Status
Pass

Task Name
Completeness Check

Workgroup
Southern Completeness

Assigned To
Barry Irick

Created
10/7/2022 4:47:45 PM

Last Updated
10/10/2022 6:33:15 AM

Review Status
Pass

Task Name
Final Determination

Workgroup
Southern Senior Engineer

Assigned To
Scott Walker

Created
10/10/2022 9:54:46 AM

Last Updated
10/13/2022 7:59:26 AM

Review Status
Approve

Task Name
CEQA District NOI Review

Workgroup
CEQA Southern Review

Assigned To
Renee (Xinyi) Hu

Created
10/10/2022 6:33:31 AM

Last Updated
10/10/2022 9:51:27 AM

Review Status
Pass



PERMIT TO CONDUCT WELL OPERATIONS

	Old	New
FIELD CODE	54	54
AREA CODE	6	6
POOL CODE	10	10

October 10, 2022

API No.: 0403700109-00

Permit No.: 7033901

Louis Zylstra
 Hillcrest Beverly Oil Corp.
 1600 Norris Road
 Bakersfield, CA 93308

The Division has received your Notice of Intention to Rework dated 9/26/2022 for well "Beverly Hills Community" 6, API. No. 0403700109-00, RLB0015649 bond, Beverly Hills field, Sec. 25, T. 01S, R. 15W, SB B&M, Los Angeles County. Your Notice of Intention has been reviewed in conjunction with records currently held by the Division.

Engineer: Tamara Lopez
 Direct: (714) 822-9449
 Office: (562) 637-4400

DECISION: THE NOTICE OF INTENTION IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment, as defined by this Division's publication No. M07, shall be installed and maintained in operating condition and meet the following minimum requirements:
 - a. Class II 2M, with hydraulic controls, on the 7" casing. All casing annuli control valves must meet, or exceed, the same minimum pressure rating as the BOPE. The pipe safety valve must be suitable for all pipe in use.
 - b. A 2M lubricator for perforating operations.

2. This well is designated a CRITICAL WELL and as such, it must comply with section 1724.3 of the California Code of Regulations.

BOPE requirements for critical wells must also comply with the following:

- a. Any and all control lines common to the BOPE and installed within 25 feet of the well bore must be shielded properly and insulated so the temperature rating is equal to or greater than 450 degrees Fahrenheit.
- b. Separate controls must be connected to each preventer in the BOPE stack. All control stations must be capable of providing complete opening and closure of each preventer in the BOPE stack.
- c. A minimum of one control station must be located at least 25 feet from the well bore.
- d. An emergency backup system must be installed that utilizes an independent, explosive-safe source of actuating energy. The source of energy and all controlling mechanisms associated with the backup system must be located at least 25 feet from the well bore, and in close proximity to the control station described above.
- e. An access line of 2-inch minimum outside diameter must be installed below the preventer(s). In addition to the control valve installed at the wellhead, the access line must have a minimum of one control valve located at least 10 feet outside the cellar. The valve outside of the cellar will be the primary control valve for well work operations. The part of the access line located between the well bore and the control valve outside of the well cellar must be shielded properly and insulated so the temperature rating is equal to or greater than 450 degrees Fahrenheit.

3. Blowout prevention practice drills are conducted at least weekly and recorded on the tour sheet. A practice drill may be required at the time of the test/inspection.

4. Hole fluid of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts shall be used.

5. A retainer or packer is required for squeeze operations.

6. No program changes are made without prior Division approval.

THIS DIVISION SHALL BE NOTIFIED TO:

1. Witness a test of the installed blowout prevention equipment prior to commencing downhole operations.
2. Witness the cement squeeze through the perforations from 1000' to 980'.

NOTE:

1. All depth measurements are based on Kelly Bushing, which is 12' above Ground Level (GL). GL elevation is 210' above sea level.
2. The operator shall isolate the following zones:
 - a. The base of the Underground Source of Drinking Water (USDW) zone should be at 965'±.
3. All notifications for witnessing BOPE test shall be made to CalGEM's Southern District office at least eight (8) business hours prior (excluding holidays and weekends) to the scheduled BOPE test.
4. All notifications for witnessing are recommended to be made to CalGEM's Southern District office at least a day prior to actual witnessing event, with the exception of those which require longer notification per statues, regulations, or event-specific CalGEM communications. All notifications for witnessing and all requests for program changes are recommended to be made to CalGEM's Southern District office during weekdays, not including holidays, between 8:00 AM and 5:00 PM.
5. Upon completion of the proposed work, a History of Oil or Gas Well shall be submitted to this office, noting the effective date of reactivation.
6. In order to coordinate field surveillance, please contact this office prior to commencing operations.
7. This permit or project approval is for an oil, gas, or geothermal activity that the California Geologic Energy Management Division (CalGEM) reviewed in accordance with the California Environmental Quality Act (CEQA) and its implementing Guidelines. CalGEM reviewed the project as: (1) a Responsible Agency and considered the environmental document and analysis therein, as prepared by the Lead Agency; or (2) the Lead Agency and determined the project is exempt from CEQA requirements or is subject to CEQA and requires an environmental document. CalGEM will make findings regarding the proposed activity(ies) to any extent necessary, and issues this permit or approval with expertise in the activity(ies) authorized by this permit or approval. Any environmental document(s) and/or notice(s) filed with the State Clearinghouse (SCH), as prepared and approved by CalGEM for the project, may be found on the SCH website at <https://ceqanet.opr.ca.gov/>.

If you have any questions, please contact the appropriate Division office or visit us at www.conservation.ca.gov/calgem.

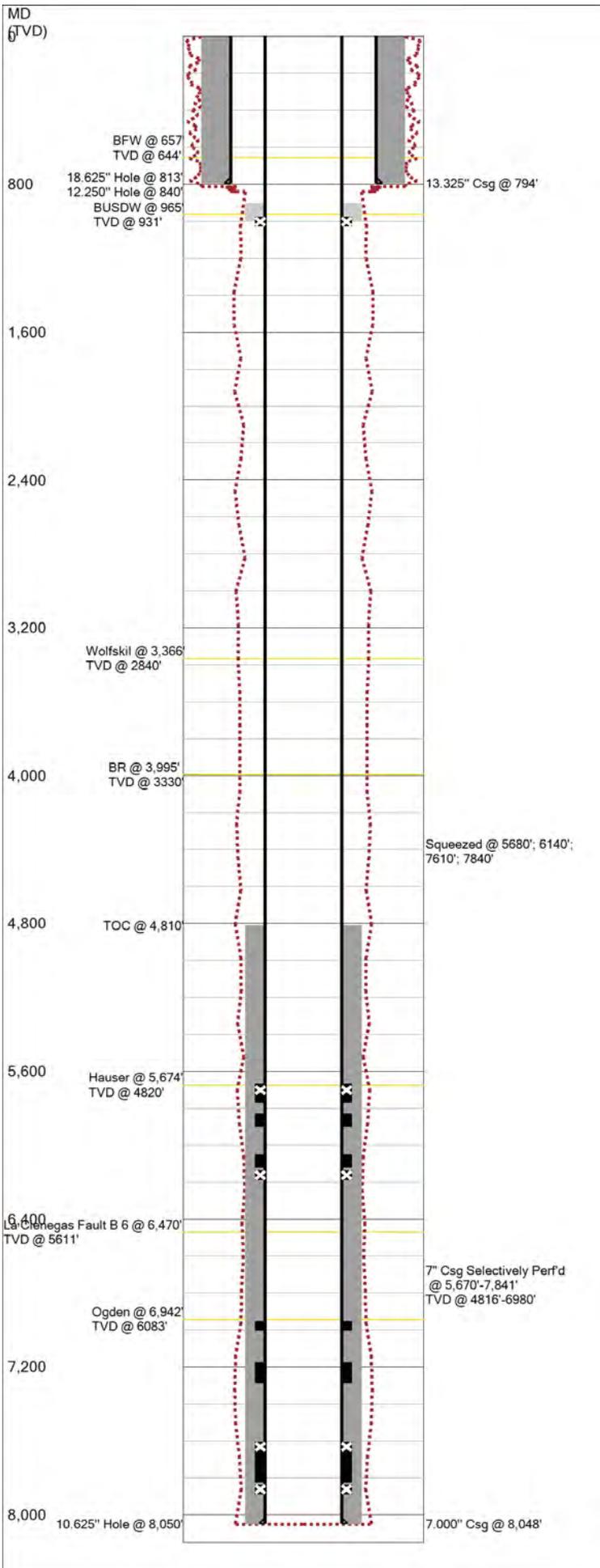
Sincerely,

Scott Walker
Senior Oil and Gas Engineer

CC People:

CC Organizations:

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.



Last Updated: 9/26/2022 01:04 PM

Field Name		Lease Name		Well No.	
Cheviot Hills		Hillcrest		BHC 6	
County			State		API No.
Los Angeles (037)			CA		04037001090000
Version		Version Tag			
1		Cement USDW			
GL (ft)	KB (ft)	Section	Township/Block		Range/Survey
	12.0	25	01S		15W
Operator			Well Status		Latitude
Hillcrest Beverly Oil Company					34.051
			Longitude		
					-118.405
Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From	
Prop Num			Spud Date		Comp. Date
			12/5/1966		
Additional Information					
TD (ft)		Other 2		Other 3	Other 4
Prepared By			Updated By		Last Updated
petersc			reedt		9/26/2022 1:04 PM
Hole Summary					
Date	Diam. (in)	Top (MD ft)	Bottom (MD ft)	Memo	
	18.625	0	813		
	12.250	813	840		
	10.625	840	8,050		
Tubular Summary					
Date	Description	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)
	Surface Casing	13.325	54.50	J-55	0
	Production Casing	7.000	26.00	J-55	0
	Production Casing	7.000	23.00	J-55	919
	Production Casing	7.000	26.00	J-55	5,512
	Production Casing	7.000	26.00	N-80	6,630
	Production Casing	7.000	26.00	N-80	8,048
Casing Cement Summary					
C	Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)
			13.325	0	794
			7.000	900	1,000
			7.000	4,810	8,050
Perforation Summary					
C	Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)
		Squeezed		980	7,840
				5,670	7,841
Formation Tops Summary					
Formation		Top (TVD ft)	Comments		
BFW		657	BFW @ 657' TVD @ 644'		
BUSDW		965	BUSDW @ 965' TVD @ 931'		
Wolfskil		3,366	Wolfskil @ 3,366' TVD @ 2840'		
BR		3,995	BR @ 3,995' TVD @ 3330'		
Hauser		5,674	Hauser @ 5,674' TVD @ 4820'		

Last Updated: 9/26/2022 01:04 PM

Formation	Top (TVD ft)	Comments
La Cienegas Fault B 6	6,470	La Cienegas Fault B 6 @ 6,470' TVD @ 5611'
Ogden	6,942	Ogden @ 6,942' TVD @ 6083'

Last Updated: 9/26/2022 01:04 PM

Field Name		Lease Name		Well No.	County	State	API No.	
Cheviot Hills		Hillcrest		BHC 6	Los Angeles (037)	CA	04037001090000	
Version	Version Tag				Spud Date	Comp. Date	GL (ft)	KB (ft)
1	Cement USDW				12/5/1966			12.0
Section	Township/Block	Range/Survey		Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From
25	01S	15W						
Operator			Well Status		Latitude		Longitude	Prop Num
Hillcrest Beverly Oil Company					34.051		-118.405	
TD (ft)		Other 2		Other 3		Other 4		
Last Updated			Prepared By			Updated By		
09/26/2022 1:04 PM			petersc			reedt		

Additional Information

Hole Summary				
Date	Diam. (in)	Top (MD ft)	Bottom (MD ft)	Memo
	18.625	0	813	
	12.250	813	840	
	10.625	840	8,050	

Tubular Summary									
Date	Description	No. Jts	O.D. (in)	Wt (lb/ft)	Grade	Coupling	Top (MD ft)	Bottom (MD ft)	Memo
	Surface Casing		13.325	54.50	J-55		0	794	
	Production Casing		7.000	26.00	J-55		0	919	
	Production Casing		7.000	23.00	J-55		919	5,512	
	Production Casing		7.000	26.00	J-55		5,512	6,630	
	Production Casing		7.000	26.00	N-80		6,630	8,048	

Casing Cement Summary									
C	Date	No. Sx	Yield (ft3/sk)	Vol. (ft3)	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Memo
			1.00		13.325	0	794		
			1.00		7.000	900	1,000		
			1.00		7.000	4,810	8,050		

Perforation Summary							
C	Date	Stage	Perf. Status	Formation	Closed Date	Memo	
			Squeezed				
Top (MD ft)		Bottom (MD ft)		SPF	Shots	Phasing (deg)	Interval Memo
980		1,000					
5,680		5,680					
6,140		6,140					
7,610		7,610					
7,840		7,840					

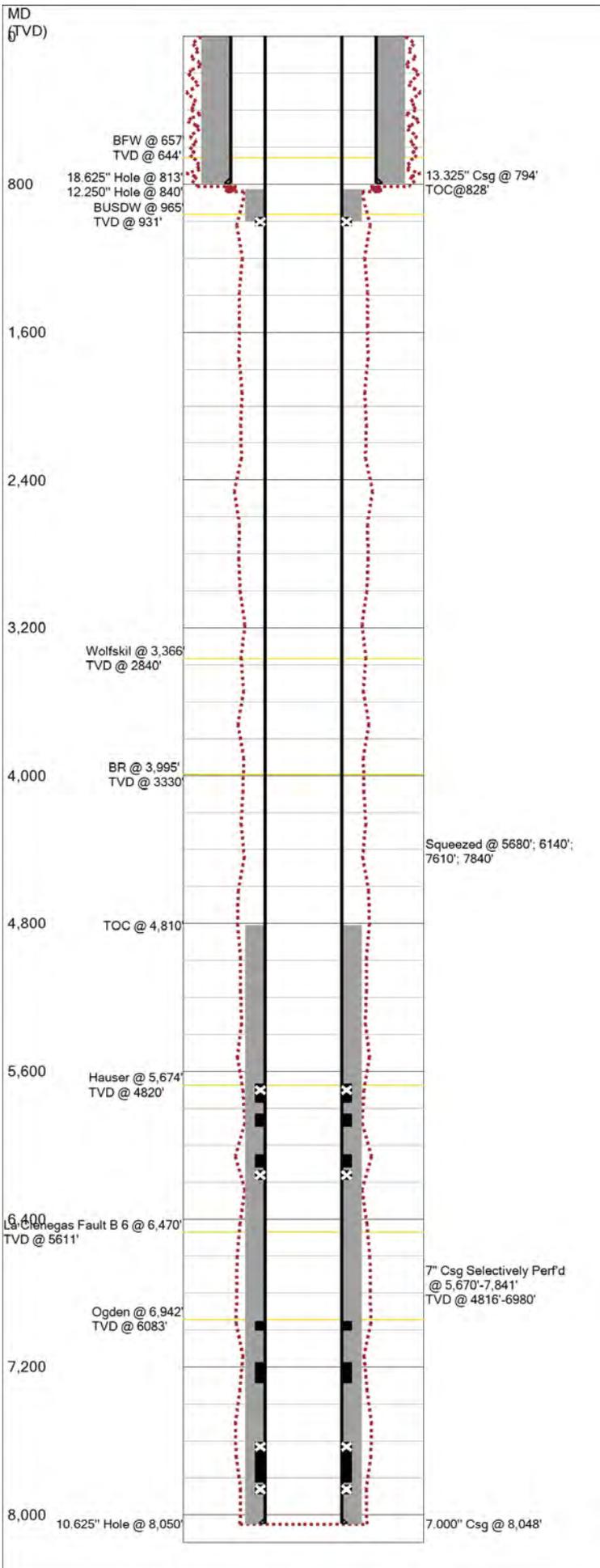
C	Date	Stage	Perf. Status	Formation	Closed Date	Memo	
Top (MD ft)		Bottom (MD ft)		SPF	Shots	Phasing (deg)	Interval Memo
5,670		5,671					CLOSED
5,680		5,681					CLOSED
5,716		5,767					OPEN
5,831		5,897					OPEN
6,052		6,117					OPEN
6,140		6,141					CLOSED
6,955		6,965					OPEN
7,180		7,190					OPEN
7,200		7,212					OPEN

Last Updated: 9/26/2022 01:04 PM

C	Date	Stage	Perf. Status	Formation		Closed Date	Memo
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Memo	
	7,239	7,245				OPEN	
	7,610	7,610				CLOSED	
	7,630	7,660				OPEN	
	7,671	7,689				OPEN	
	7,700	7,754				OPEN	
	7,761	7,820				OPEN	
	7,840	7,841				CLOSED	

Formation Top Summary

Formation Name	Top(TVD ft)	Memo
BFW	657	
BUSDW	965	
Wolfskil	3,366	
BR	3,995	
Hauser	5,674	
La Cienegas Fault B 6	6,470	
Ogden	6,942	



Last Updated: 12/4/2022 08:30 AM

Field Name		Lease Name		Well No.		
Cheviot Hills		Hillcrest		BHC 6		
County		State		API No.		
Los Angeles (037)		CA		04037001090000		
Version		Version Tag				
1		Cement USDW				
GL (ft)	KB (ft)	Section	Township/Block	Range/Survey		
	12.0	25	01S	15W		
Operator		Well Status		Latitude	Longitude	
Hillcrest Beverly Oil Company				34.051	-118.405	
Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From		
Prop Num		Spud Date		Comp. Date		
		12/5/1966				
Additional Information						
TD (ft)	Other 2		Other 3		Other 4	
Prepared By		Updated By		Last Updated		
petersc		reedt		12/4/2022 8:30 AM		
Hole Summary						
Date	Diam. (in)	Top (MD ft)	Bottom (MD ft)	Memo		
	18.625	0	813			
	12.250	813	840			
	10.625	840	8,050			
Tubular Summary						
Date	Description	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)
	Surface Casing	13.325	54.50	J-55	0	794
	Production Casing	7.000	26.00	J-55	0	919
	Production Casing	7.000	23.00	J-55	919	5,512
	Production Casing	7.000	26.00	J-55	5,512	6,630
	Production Casing	7.000	26.00	N-80	6,630	8,048
Casing Cement Summary						
C	Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Memo
			13.325	0	794	
			7.000	828	1,000	
			7.000	4,810	8,050	
Perforation Summary						
C	Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)	
		Squeezed		980	7,840	
				5,670	7,841	
Formation Tops Summary						
Formation		Top (TVD ft)	Comments			
BFW		657	BFW @ 657' TVD @ 644'			
BUSDW		965	BUSDW @ 965' TVD @ 931'			
Wolfskil		3,366	Wolfskil @ 3,366' TVD @ 2840'			
BR		3,995	BR @ 3,995' TVD @ 3330'			
Hauser		5,674	Hauser @ 5,674' TVD @ 4820'			

Last Updated: 12/4/2022 08:30 AM

Formation	Top (TVD ft)	Comments
La Cienegas Fault B 6	6,470	La Cienegas Fault B 6 @ 6,470' TVD @ 5611'
Ogden	6,942	Ogden @ 6,942' TVD @ 6083'

Last Updated: 12/4/2022 08:30 AM

Field Name		Lease Name		Well No.	County	State	API No.	
Cheviot Hills		Hillcrest		BHC 6	Los Angeles (037)	CA	04037001090000	
Version	Version Tag				Spud Date	Comp. Date	GL (ft)	KB (ft)
1	Cement USDW				12/5/1966			12.0
Section	Township/Block	Range/Survey		Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From
25	01S	15W						
Operator			Well Status		Latitude	Longitude		Prop Num
Hillcrest Beverly Oil Company					34.051	-118.405		
TD (ft)		Other 2		Other 3		Other 4		
Last Updated			Prepared By			Updated By		
12/04/2022 8:30 AM			petersc			reedt		

Additional Information

Hole Summary

Date	Diam. (in)	Top (MD ft)	Bottom (MD ft)	Memo
	18.625	0	813	
	12.250	813	840	
	10.625	840	8,050	

Tubular Summary

Date	Description	No. Jts	O.D. (in)	Wt (lb/ft)	Grade	Coupling	Top (MD ft)	Bottom (MD ft)	Memo
	Surface Casing		13.325	54.50	J-55		0	794	
	Production Casing		7.000	26.00	J-55		0	919	
	Production Casing		7.000	23.00	J-55		919	5,512	
	Production Casing		7.000	26.00	J-55		5,512	6,630	
	Production Casing		7.000	26.00	N-80		6,630	8,048	

Casing Cement Summary

C	Date	No. Sx	Yield (ft3/sk)	Vol. (ft3)	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Memo
			1.00		13.325	0	794		
			1.00		7.000	828	1,000		
			1.00		7.000	4,810	8,050		

Perforation Summary

C	Date	Stage	Perf. Status	Formation	Closed Date	Memo	
			Squeezed				
Top (MD ft)		Bottom (MD ft)		SPF	Shots	Phasing (deg)	Interval Memo
980		1,000					
5,680		5,680					
6,140		6,140					
7,610		7,610					
7,840		7,840					

C	Date	Stage	Perf. Status	Formation	Closed Date	Memo	
Top (MD ft)		Bottom (MD ft)		SPF	Shots	Phasing (deg)	Interval Memo
5,670		5,671					CLOSED
5,680		5,681					CLOSED
5,716		5,767					OPEN
5,831		5,897					OPEN
6,052		6,117					OPEN
6,140		6,141					CLOSED
6,955		6,965					OPEN
7,180		7,190					OPEN
7,200		7,212					OPEN

Last Updated: 12/4/2022 08:30 AM

C	Date	Stage	Perf. Status	Formation		Closed Date	Memo
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Memo	
	7,239	7,245				OPEN	
	7,610	7,610				CLOSED	
	7,630	7,660				OPEN	
	7,671	7,689				OPEN	
	7,700	7,754				OPEN	
	7,761	7,820				OPEN	
	7,840	7,841				CLOSED	

Formation Top Summary

Formation Name	Top(TVD ft)	Memo
BFW	657	
BUSDW	965	
Wolfskil	3,366	
BR	3,995	
Hauser	5,674	
La Cienegas Fault B 6	6,470	
Ogden	6,942	

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
HISTORY OF OIL OR GAS WELL

Operator E&B Natural Resources Field Cheviot Hills County Los Angeles
 Well BHC-6 Sec. 25 T. 01S R. 15W SB B.&M.
 A.P.I. No. 04-037-00109 Name Samuel Layton Title Production Operation Engineer
(Person submitting report) (President, Secretary, or Agent)
 Date 11/7/2022
(Month, day, year) Signature Samuel Layton
 Address 1608 Norris Road; Bakersfield CA 93308 Telephone Number 661.332.3984

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during re-drilling or altering the casing, plugging, or abandonment, with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, and initial production data.

Date	
10/13/2022	Held safety meeting with crew and filled out JSA. Serviced rig and equipment. Prepped BHC-6 location for rig. Spotted rig. MIRU and tied down rig. Backed in tool truck and unloaded equipment. Shut down for the day
10/14/2022	Spotted double gate BOP and accumulator with forklift. Break head bolts. Remove top flange. Strip on double gate BOP. Make up head bolts and connect accumulator lines. Function test BOP, OK. Secure well and location. End of report. (Incomplete) Will Pull Tbg Monday Morning. Run Scraper, Then Bridge Plug High to Test BOP.
10/17/2022	Pull out of hole with 32 - 7/8" 3 per HS rods, 107 - 3/4" 3 per HS rods, 6 - 1 1/2" x 20' k-bars and 2 1/2" x 1 3/4" x 60" x 30' x 32.5' insert pump. Pull out of hole with 133 jts 2 7/8" N-80 8RD tbg, 7" hydraulic anchor, 2 jts 2 7/8" N-80 8RD tbg, 6 K Fike drain, 2 jts 2 7/8" N-80 8RD tbg, 2 1/2" top lock shoe, perforated pup jt, 2 jt 2 7/8" gas anchor with bull plug. Made up 7" all weight scraper and bumper sub. Ran in hole with 40 jts 2 7/8" 8RD N-80 tbg. Ran scraper down to 1283 ft. Pull out of hole with 40 jts 2 7/8" 8RD N-80 tbg. Break down bumper sub and 7" scraper. Ran in hole with 7" 23# Lock Set bridge plug and 38 jts 2 7/8" 8RD N-80 tbg. Set bridge plug with center of element at 1200 ft. (11.29 ft out on jt #38) Release from bridge plug. Stood back one stand. Fill well with lease water. Use drivable pump. Pressure test 7" casing to 250 psi. Held solid. Pull out of hole with 36 jts 2 7/8" 8RD N-80 tbg. Break off retrieving tool. Fill hole to surface with lease water. Dump 7 sacks sand on top of bridge plug. Secure well and location.
10/18/2022	Ran in hole with 38 jts 2 7/8" N-80 tbg open ended. Tag top of sand at 1183 ft. Lay down 2 jts. Fill hole with lease water. Install poor boy swivel and rig up mud pump. Chris Smart with CALGEM came by at 8:30 AM. He inspected accumulator and double gate BOP. He witnessed 7" casing pressure test to 740 psi. Held solid. Pull out of hole with 36 jts 2 7/8" N-80 tbg. Rig up wireline. Perforate as per program, 1000-980 ft, 4" x 20 ft gun, 25-gram charges, .55" entry holes, with 36.4" penetration. Tag # 3375-331. Nicky Oliver with CALGEM waived witness to perforating operations. Rig out wireline. Rig up cement pump truck. Fill hole with lease water. Close blind rams. HSM with cementers and well crew. Pump 5 bbls lease water. Establish injection rate 300 psi at 2 bpm rate. Bleed off pressure. Call Nicky Oliver with CALGEM at 1:27 pm. Discussed quantity of cement and displacement to be pumped. She said we were good and to continue with cementing operations. Ran in hole with 32 jts 2 7/8" N-80 tbg. Rigged up cementers. Tail at 1000 ft. (14.75 ft looking up) HSM with cementers and well crew. Mix and pump 39.27 cubic ft of class "G" cement neat, 33 sacks, 1.19 yield, 15.6# with 4.18 bbls mix water. Displace with 4.7 bbls lease water, leaving top of cement at 819.50 ft. Pull out of hole slowly with 32 jts 2 7/8" N-80 tbg. Rig up blind rams. Squeeze away cement with 5.3 bbls lease Stopped pumping, pressure stayed at 300 psi. Shut in well at 300 psi. Rig out cementers. Secure well and location. Call Nicky Oliver with CALGEM at 3:41 pm and gave her results of our squeeze job.
10/12/2020	Make up run in hole with 7" drill bit, bit sub, 2- 4 3/4" drill collars x-over and 15 stand of TBG. Tag cement at 977'. Move in rig up power swivel. break circulation. drill out cement from 977' top of RBP at 1200'. POOH with 38 joints L/D drill collars and bit. make up retrieving tool RIH with 19 stands install circulating rubber and king swivel. latch up RBP. RBP came free POOH with TBG L/D RBP. RIH with tbg and rods from derrick. RDMO.

Form Information

Form Name Notice of Intention	Organization Hillcrest Beverly Oil Corp.	Notice Type Rework	Is this a Supplementary Notice to a previously approved permit? No
Well API 0403700111	Wellbore Number 00	Permit No	Description OC-5 Squeeze cement to isolate USDW

Operator Information

Organization Name Hillcrest Beverly Oil Corp.	Type of Organization Corporation	Address Line 1 1600 Norris Road	Address Line 2
City, State, Zip Bakersfield, CA, 93308	Phone Number (661) 679-1700	Ext	

Operator Information - Form Contacts

Name Trenton Reed	Phone Number	Email trenton.reed@ebresources.com	Role Submitter
Name Louis Zylstra	Phone Number (714) 968-4770	Email lzylstra@ebresources.com	Role Agent
Name Samuel Layton	Phone Number	Email samuel.layton@ebresources.com	Role Technical Contact

Well Information 1

Current Well Type Oil & Gas	Proposed Well Type Oil & Gas	Date 9/26/2022	Bond Number RLB0015649
Please enter the Oil and Gas Lease associated to this Notice 260142-Olympic Community	Notice Type Rework	Leases Coincide No	Submitted Bond Form Used No
	Submitted Lease Form Used No	Well Number 5	Well Designation
Well Name Unspecified	UIC Project Code	UGS Project Code	Field Beverly Hills
Area West	This is an Exploratory Well No	This is a dry hole No	This notice includes a confidentiality request letter No
This notice submitted in conjunction with a request for Well Stimulation project authorization No	The presence of H2S (Hydrogen Sulfide) or waste gas is anticipated No	H2S Concentration	This well penetrates or passes through a UIC Project No
	Penetrated UIC Project Code	This well penetrates or passes through a UGS Project No	Penetrated UGS Project Code
			This proposal will result in the well passing into, or through, a thermal enhanced recovery project

No

Well Information 2

Depth measurements are referenced to Kelly Bushing	Feet Above Ground 12	Elevation of ground above Mean Sea Level Proposed 210	Please select the direction of this wellbore Directional
This well will be drilled with underbalanced fluids program No	Fresh Water is present Yes	USDW present Yes	Describe any known significant geologic markers below, and estimated depths
Annular Preventer Yes	Pressure rating (in PSI) 3000	Pipe Present Yes	Pipe Pressure rating (in PSI) 3000
Pipe Count 1	Blind Present Yes	Blind Pressure rating (in PSI) 3000	Blind Count 1
Shear Present Yes	Shear Pressure rating (in PSI) 3000	Shear Count 1	Rotating Head Present No
Rotating Head Pressure rating (in PSI)	Salt formations are anticipated No	Formation Names	Salt Based Drilling fluids will be used No
Oil Based Drilling fluids will be used No	Mud System	Mud Disposal Method	Cuttings Disposal

Well Information 2 - Wellbore Depths Grid

Proposed Bottom Hole MD	Proposed Bottom Hole TVD	Actual Bottom Hole MD	Actual Bottom Hole TVD
Proposed Plugback Depth MD	Proposed Plugback Depth TVD	Actual Plugback Depth MD	Actual Plugback Depth TVD

Well Information 2 - Zones of Significance

Zone Category Fresh Water	Zone Name	Expected/Actual	Top TVD
Top MD 636	Bottom TVD	Bottom MD 636	Pressure
Oil Gas Show No			

Zone Category USDW	Zone Name	Expected/Actual	Top TVD
Top MD 973	Bottom TVD	Bottom MD 973	Pressure
Oil Gas Show Yes			

Zone Category Hydrocarbon Zones	Zone Name Repetto-Wolfskill	Expected/Actual	Top TVD
Top MD 3813	Bottom TVD	Bottom MD	Pressure
Oil Gas Show			

Zone Category Hydrocarbon Zones	Zone Name Repetto	Expected/Actual	Top TVD
Top MD 4729	Bottom TVD	Bottom MD	Pressure
Oil Gas Show Yes			

Zone Category Hydrocarbon Zones	Zone Name Repetto-Main (Hauser)	Expected/Actual	Top TVD
Top MD 6714	Bottom TVD	Bottom MD	Pressure
Oil Gas Show Yes			

Zone Category Hydrocarbon Zones	Zone Name Modelo-Deep (Ogden)	Expected/Actual	Top TVD
Top MD 7282	Bottom TVD	Bottom MD	Pressure
Oil Gas Show Yes			

Location

Surface Section 25	Surface Township 01S	Surface Range 15W	Surface B&M SB
Surface Field Beverly Hills	Surface Latitude (NAD 83) 34.05072021	Surface Longitude (NAD 83) -118.40534210	Surface County Los Angeles

Surface Corner Call

842.01 South and 114.65' west from the centerlines of Pico Blvd and Peg Place

Source

Operator Submitted

Date Collected**Location Description****Offshore Well**
No**Urban Area**

No

Tidal Zone

No

Critical well as defined in CCR, title 14, Section 1720(a):
Yes**Critical Well Information**

Within 300' of human occupied building

Environmentally sensitive well as defined in CCR, title 14, Section 1760(f):
Yes**Environmentally Sensitive Well Information**

Within 300' of human occupied building

Bottom Section
25**Bottom Township**
01S**Bottom Range**
15W**Bottom B&M**
SB**Bottom Field**
Beverly Hills**Bottom Latitude**
34.056882**Bottom Longitude**
-118.400142**Bottom County**
Los Angeles**Bottom Corner**
N/A**Feature And Cement****Notes****Feature And Cement - Wellbore Construction Features**

Feature Borehole	Unique ID F1	Top 0	Bottom 950
Outside Diameter 18.625	Inside Diameter	Weight	Grade/Type
New Pipe	Install Date	RemoveDate	Pulled
Pressure	Connection Type	Description	Status New

Feature Borehole	Unique ID F2	Top 950	Bottom 8003
Outside Diameter 12.250	Inside Diameter	Weight	Grade/Type
New Pipe	Install Date	RemoveDate	Pulled
Pressure	Connection Type	Description	Status New

Feature Borehole	Unique ID F3	Top 8003	Bottom 9933
Outside Diameter 8.625	Inside Diameter	Weight	Grade/Type
New Pipe	Install Date	RemoveDate	Pulled
Pressure	Connection Type	Description	Status

New

Feature Conductor	Unique ID F4	Top 0	Bottom 939
Outside Diameter 13.325	Inside Diameter	Weight	Grade/Type
New Pipe	Install Date	RemoveDate	Pulled
Pressure	Connection Type	Description	Status New

Feature Production Casing	Unique ID F5	Top 0	Bottom 7855
Outside Diameter 9.625	Inside Diameter	Weight 43.5	Grade/Type
New Pipe	Install Date	RemoveDate	Pulled
Pressure	Connection Type	Description	Status New

Feature And Cement - Cement Segments

Associated Feature F4	Unique ID C1	Inside/Outside Casing Outside	Top 0
---------------------------------	------------------------	-----------------------------------------	-----------------

Bottom 939	Volume (Sacks)	Yield (cu ft per sack)	Volume (cubic ft)
Verify Method	Cementing Company	Install Date	Removal Date
Cement ID	Job Type	Description	Status New
Associated Feature F5	Unique ID C3	Inside/Outside Casing Outside	Top 4979
Bottom 7855	Volume (Sacks)	Yield (cu ft per sack)	Volume (cubic ft)
Verify Method	Cementing Company	Install Date	Removal Date
Cement ID	Job Type	Description	Status New

Feature And Cement - Cement Classes ▶

No Data to Display

Completion And Perforation ▶

Notes

Completion And Perforation - Completion Interval ▶

Unique ID C1	Type Oil & Gas	Interval Status Active	Field Beverly Hills
Area West	Pool Code Miocene	Top	Bottom
Formation	Status Current	Injection Method	

Completion And Perforation - Perforation ▶

No Data to Display

Proposed Work ▶

Proposed Work Description

CEQA Information ▶

Did the Local Agency prepare an Environmental Document for this project? Yes	If the Local Agency prepared an environmental document for this project, please indicate which of the following applies: Permit was issued, and the project is within scope of a prior environmental document	If an environmental document was not prepared, did the Local Agency determine this project to be exempt?: No, this project was not exempt
----------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------

Please indicate if a permit was issued:
No permit was issued or Permit is not required

Is there a CEQA Lead Agency? (other than CalGEM)
Yes

Is there a NEPA Lead Agency?
No

CEQA Project Description

See attached Document - CEQA Project Description ; See Condition 19 of ZA Case No 14422 (Page 9) "Additional Steps Shall be taken to prevent the vertical movement of brine into fresh water zones."

Surface Ownership Private
Yes

Surface Ownership State
No

Surface Ownership Federal
No

Surface Ownership Tribal
No

Surface Ownership Agency Name

Mineral Ownership Private
Yes

Mineral Ownership State
No

Mineral Ownership Federal
No

Mineral Ownership Tribal
No

Mineral Ownership Agency Name

CEQA Lead Agency
City of Los Angeles Planning Dept

CEQA Lead Agency Contact
Edber Macedo

CEQA Lead Agency Address
200 N. Spring St, Room 763

Address Line 2

City
Los Angeles

State
CA

Zip Code
90012

Phone Number

Phone Number Extension (Ext)

Email Address

Negative Declaration
No

Mitigated Negative Declaration
No

Environmental Impact Report
No

Subsequent
No

Supplemental
No

Addendum
No

Substitute Document
Yes

Project Title

Project Scope

Well Name: Olympic Community 5 API #: 04-037-00111 Lease: Hillcrest Address:10000 W Pico Blvd, Los Angeles, CA 90064 Hillcrest Beverly Oil Company plans to squeeze Cement in order to isolate USDW on OC-5 in the Beverly Hills field. This will involve the use of temporary equipment such as mud pumps, bins, cement mixers etc. Hillcrest Beverly Oil Company with follow all procedures and steps set forth by CalGEM. See Condition 19 of ZA Case No 14422 (Page 9) "Additional Steps Shall be taken to prevent the vertical movement of brine into fresh water zones."

Date EIR Certified or ND/MND Adopted
10/2/1957

State Clearinghouse Number

CEQA Notice Type
Notice of Determination

Local Agency Name

Local Agency Contact Name

CEQA Documentation

State Clearinghouse Number

CEQA Notice Type

Local Agency Contact Date

Phone Number

Phone Number Extension (Ext.)

Email Address

NEPA Lead Agency

NEPA Lead Agency Contact

NEPA Lead Agency Address

Address Line 2

City

State

Zip Code

Phone Number

Phone Number Extension (Ext)

Email Address

Categorical Exclusion
No

Environmental Assessment/FONSI/DNA
No

Sundry Notice
No

Environmental Impact Statement
No

Project Title

NEPA Project Number

Date of Decision Record/Record of Decision

Publication Date

Federal Register Notice Number

Document Upload

Upload Date
9/26/2022 1:44:49 PM

Uploaded By
Trenton Reed

Type
Wellbore Diagram

Description
OC-5 Proposed WBD

Document ID

Document Type
pdf

Confidentiality Requested
No

Internal use only
No

Size
0.821 MB

Filename
OC-5 USDW Isolation WBD.pdf

Upload Date 9/26/2022 1:44:49 PM	Uploaded By Trenton Reed	Type Other	Description OC-5 Cement Squeeze Program
Document ID	Document Type pdf	Confidentiality Requested No	Internal use only No
Size 0.069 MB	Filename OC-5 USDW Isolation.pdf		
Upload Date 10/7/2022 2:57:12 PM	Uploaded By Samuel Layton	Type CEQA - Notice of Determination	Description ZA Case No. 14422 - Hillcrest Drillsite
Document ID	Document Type pdf	Confidentiality Requested No	Internal use only No
Size 7.31 MB	Filename Case 14422 - 1957 HBOC Hillcrest.pdf		
Upload Date 10/7/2022 3:57:28 PM	Uploaded By Samuel Layton	Type CEQA - Project Description	
Description CEQA Project Description - OC-5 Freshwater Protection -	Document ID	Document Type pdf	
Confidentiality Requested No	Internal use only No	Size 0.062 MB	
Filename Revised CEQA Project Description - OC1 - OC5 - BHC6.pdf			
Upload Date 10/12/2022 9:55:39 PM	Uploaded By Tamara Lopez	Type Other	Description Revised Program
Document ID	Document Type pdf	Confidentiality Requested No	Internal use only No
Size 0.070 MB	Filename OC-5 USDW Isolation Program.pdf		

Form Submit - Online Form Association Grid ▶

No Data to Display

Form Submit - Acknowledgement ▶

Submit Date 10/7/2022	Submitter Name Samuel Layton	Submitter Email samuel.layton@ebresources.com	Submitter Organization Hillcrest Beverly Oil Corp. (H4325)
---------------------------------	----------------------------------------	---------------------------------------------------------	----------------------------------------------------------------------

Review And COAs ▶

Interested Federal Agencies	The Operator was given verbal approval to proceed with action before this permit was issued	If yes, please describe the reason	This proposed work Program is consistent with the requirements of Section 1726.5
Interested Federal Agencies No	The Operator was given verbal approval to proceed with action before this permit was issued No	If yes, please describe the reason	This proposed work Program is consistent with the requirements of Section 1726.5 No

Review And COAs – Conditions of Approval

P-Code 10	Description 1. Blowout prevention equipment, as defined by this Division's publication No. M07, shall be installed and maintained in operating condition and meet the following minimum requirements: a. Class II 2M, with hydraulic controls, on the 9-5/8" casing. All casing annuli control valves must meet, or exceed, the same minimum pressure rating as the BOPE. The pipe safety valve must be suitable for all pipe in use. b. A 2M lubricator for perforating operations.	Category BOPE
P-Code 107a	Description NOTE:	Category Notes
P-Code 108	Description 6. In order to coordinate field surveillance, please contact this office prior to commencing operations.	Category Other
P-Code 11	Description 3. Blowout prevention practice drills are conducted at least weekly and recorded on the tour sheet. A practice drill may be required at the time of the test/inspection.	Category BOPE
P-Code 13	Description 4. Hole fluid of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts shall be used.	Category BOPE
P-Code 153	Description 5. Upon completion of the proposed work, a History of Oil or Gas Well shall be submitted to this office, noting the effective date of reactivation.	Category Well Records
P-Code 173	Description	

7. This permit or project approval is for an oil, gas, or geothermal activity that the California Geologic Energy Management Division (CalGEM) reviewed in accordance with the California Environmental Quality Act (CEQA) and its implementing Guidelines. CalGEM reviewed the project as: (1) a Responsible Agency and considered the environmental document and analysis therein, as prepared by the Lead Agency; or (2) the Lead Agency and determined the project is exempt from CEQA requirements or is subject to CEQA and requires an environmental document. CalGEM will make findings regarding the proposed activity(ies) to any extent necessary, and issues this permit or approval with expertise in the activity(ies) authorized by this permit or approval. Any environmental document(s) and/or notice(s) filed with the State Clearinghouse (SCH), as prepared and approved by CalGEM for the project, may be found on the SCH website at <https://ceqanet.opr.ca.gov/>.

Category

CEQA

P-Code

18

Description

2. This well is designated a CRITICAL WELL and as such, it must comply with section 1724.3 of the California Code of Regulations.

Category

Cementing and Plugging

P-Code

181

Description

2. The operator shall isolate the following zones: a. The base of the Underground Source of Drinking Water (USDW) zone should be at 973'±.

Category

Cementing and Plugging

P-Code

38a

Description

5. A retainer or packer is required for squeeze operations.

Category

Cement Squeeze

P-Code

67

Description

6. No program changes are made without prior Division approval.

Category

General

P-Code

7

Description

3. All notifications for witnessing BOPE test shall be made to CalGEM's Southern District office at least eight (8) business hours prior (excluding holidays and weekends) to the scheduled BOPE test.

Category

General

P-Code

7

Description

4. All notifications for witnessing are recommended to be made to CalGEM's Southern District office at least a day prior to actual witnessing event, with the exception of those which require longer notification per statutes, regulations, or event-specific CalGEM communications. All notifications for witnessing and all requests for program changes are recommended to be made to CalGEM's Southern District office during weekdays, not including holidays, between 8:00 AM and 5:00 PM.

Category

General

P-Code

70a

Description

BOPE requirements for critical wells must also comply with the following: a. Any and all control lines common to the BOPE and installed within 25 feet of the well bore must be shielded properly and insulated so the temperature rating is equal to or greater than 450 degrees Fahrenheit. b. Separate controls must be connected to each preventer in the BOPE stack. All control stations must be capable of providing complete opening and closure of each preventer in the BOPE stack. c. A minimum of one control station must be located at least 25 feet from the well bore. d. An emergency backup system must be installed that utilizes an independent, explosive-safe source of actuating energy. The source of energy and all controlling mechanisms associated with the backup system must be located at least 25 feet from the well bore, and in close proximity to the control station described above. e. An access line of

2-inch minimum outside diameter must be installed below the preventer(s). In addition to the control valve installed at the wellhead, the access line must have a minimum of one control valve located at least 10 feet outside the cellar. The valve outside of the cellar will be the primary control valve for well work operations. The part of the access line located between the well bore and the control valve outside of the well cellar must be shielded properly and insulated so the temperature rating is equal to or greater than 450 degrees Fahrenheit.

Category

BOPE

P-Code

74

Description

THIS DIVISION SHALL BE NOTIFIED
TO:

Category

General

P-Code

76

Description

1. Witness a test of the installed blowout prevention equipment prior to commencing downhole operations.

Category

Witness - BOPE

P-Code

89

Description

1. All depth measurements are based on Kelly Bushing, which is 12' above Ground Level (GL). GL elevation is 210' above sea level.

Category

Witness - Rework/Abandonment

P-Code

99

Description

2. Witness the cement squeeze through the perforations from 1020' to 1000'.

Category

Witness - Rework/Abandonment

Confidentiality Review

Onshore/Offshore Onshore	Current Confidentiality Status Not Confidential	Current Confidentiality Expiration Date	Confidentiality Status
Date Of Determination 10/10/2022 6:29:32 AM	Confidentiality Expiration Date		

NOI Correspondence

Correspondence Type Approved Permit	Date 10/10/2022	Agent Name Louis Zylstra	Agent Address Line 1 1600 Norris Road
Agent Address Line 2	City Bakersfield	State CA	Zip Code 93308
Organization Name Hillcrest Beverly Oil Corp.	Subject Permit to Isolate Underground Source of Drinking Water for "OC" 5, API 0403700111	Signatory Name Scott Walker	
CC Organizations	Signatory Title Senior Oil and Gas Engineer	CC People	
Correspondence Text Engineer: Tamara Lopez Direct: (714) 822-9449 Office: (562) 637-4400			

Comments

Comment Date 9/29/2022 10:39:56 AM	Created By Renee (Xinyi) Hu
Comment The operator is requested to review the WellSTAR CEQA User Guide located here: https://www.conservation.ca.gov/calgem/Documents/WellSTAR/All-Training/R5.1.1-CEQA-UG.pdf regarding the CEQA Information step 10. If the operator requires additional assistance, please contact Xinyi.Hu@conservation.ca.gov.	
Comment Date 10/7/2022 10:49:42 AM	Created By Renee (Xinyi) Hu
Comment Please indicate environmental document exists in CEQA Step 10 and attach the document. In Project Scope, list the page numbers of the document that cover the activity Rework. The operator is requested to review page 7 for the project description (click CalGEM CEQA Webpage, then CEQA Project Description Example) and create a project description based on the examples provided for step 10. https://www.conservation.ca.gov/calgem/Documents/WellSTAR/All-Training/R5.1.1-CEQA-UG.pdf	

Review Tasks

Task Name Final Determination	Workgroup Southern Senior Engineer	Assigned To Scott Walker	Created 10/10/2022 9:53:17 AM
Last Updated 10/13/2022 7:56:12 AM	Review Status Approve		
Task Name Completeness Check	Workgroup Southern Completeness	Assigned To Barry Irick	Created 10/7/2022 4:32:56 PM
Last Updated 10/10/2022 6:30:04 AM	Review Status Pass		
Task Name Notice of Intention Review	Workgroup Southern Notice Review	Assigned To Barry Irick	Created 10/10/2022 9:48:42 AM
Last Updated 10/10/2022 9:52:59 AM	Review Status Pass		

Task Name
CEQA District NOI Review

Workgroup
CEQA Southern Review

Assigned To
Renee (Xinyi) Hu

Created
10/10/2022 6:30:21 AM

Last Updated
10/10/2022 9:48:21 AM

Review Status
Pass



PERMIT TO CONDUCT WELL OPERATIONS

	Old	New
FIELD CODE	54	54
AREA CODE	6	6
POOL CODE	10	10

October 10, 2022

API No.: 0403700111-00

Permit No.: 7033900

Louis Zylstra
 Hillcrest Beverly Oil Corp.
 1600 Norris Road
 Bakersfield, CA 93308

The Division has received your Notice of Intention to Rework dated 9/26/2022 for well "Olympic Community" 5, API. No. 0403700111-00, RLB0015649 bond, Beverly Hills field, Sec. 25, T. 01S, R. 15W, SB B&M, Los Angeles County. Your Notice of Intention has been reviewed in conjunction with records currently held by the Division.

Engineer: Tamara Lopez
 Direct: (714) 822-9449
 Office: (562) 637-4400

DECISION: THE NOTICE OF INTENTION IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment, as defined by this Division's publication No. M07, shall be installed and maintained in operating condition and meet the following minimum requirements:
 - a. Class II 2M, with hydraulic controls, on the 9-5/8" casing. All casing annuli control valves must meet, or exceed, the same minimum pressure rating as the BOPE. The pipe safety valve must be suitable for all pipe in use.
 - b. A 2M lubricator for perforating operations.

2. This well is designated a CRITICAL WELL and as such, it must comply with section 1724.3 of the California Code of Regulations.

BOPE requirements for critical wells must also comply with the following:

- a. Any and all control lines common to the BOPE and installed within 25 feet of the well bore must be shielded properly and insulated so the temperature rating is equal to or greater than 450 degrees Fahrenheit.
- b. Separate controls must be connected to each preventer in the BOPE stack. All control stations must be capable of providing complete opening and closure of each preventer in the BOPE stack.
- c. A minimum of one control station must be located at least 25 feet from the well bore.
- d. An emergency backup system must be installed that utilizes an independent, explosive-safe source of actuating energy. The source of energy and all controlling mechanisms associated with the backup system must be located at least 25 feet from the well bore, and in close proximity to the control station described above.
- e. An access line of 2-inch minimum outside diameter must be installed below the preventer(s). In addition to the control valve installed at the wellhead, the access line must have a minimum of one control valve located at least 10 feet outside the cellar. The valve outside of the cellar will be the primary control valve for well work operations. The part of the access line located between the well bore and the control valve outside of the well cellar must be shielded properly and insulated so the temperature rating is equal to or greater than 450 degrees Fahrenheit.

3. Blowout prevention practice drills are conducted at least weekly and recorded on the tour sheet. A practice drill may be required at the time of the test/inspection.

4. Hole fluid of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts shall be used.

5. A retainer or packer is required for squeeze operations.

6. No program changes are made without prior Division approval.

THIS DIVISION SHALL BE NOTIFIED TO:

1. Witness a test of the installed blowout prevention equipment prior to commencing downhole operations.
2. Witness the cement squeeze through the perforations from 1020' to 1000'.

NOTE:

1. All depth measurements are based on Kelly Bushing, which is 12' above Ground Level (GL). GL elevation is 210' above sea level.
2. The operator shall isolate the following zones:
 - a. The base of the Underground Source of Drinking Water (USDW) zone should be at 973'±.
3. All notifications for witnessing BOPE test shall be made to CalGEM's Southern District office at least eight (8) business hours prior (excluding holidays and weekends) to the scheduled BOPE test.
4. All notifications for witnessing are recommended to be made to CalGEM's Southern District office at least a day prior to actual witnessing event, with the exception of those which require longer notification per statutes, regulations, or event-specific CalGEM communications. All notifications for witnessing and all requests for program changes are recommended to be made to CalGEM's Southern District office during weekdays, not including holidays, between 8:00 AM and 5:00 PM.
5. Upon completion of the proposed work, a History of Oil or Gas Well shall be submitted to this office, noting the effective date of reactivation.
6. In order to coordinate field surveillance, please contact this office prior to commencing operations.
7. This permit or project approval is for an oil, gas, or geothermal activity that the California Geologic Energy Management Division (CalGEM) reviewed in accordance with the California Environmental Quality Act (CEQA) and its implementing Guidelines. CalGEM reviewed the project as: (1) a Responsible Agency and considered the environmental document and analysis therein, as prepared by the Lead Agency; or (2) the Lead Agency and determined the project is exempt from CEQA requirements or is subject to CEQA and requires an environmental document. CalGEM will make findings regarding the proposed activity(ies) to any extent necessary, and issues this permit or approval with expertise in the activity(ies) authorized by this permit or approval. Any environmental document(s) and/or notice(s) filed with the State Clearinghouse (SCH), as prepared and approved by CalGEM for the project, may be found on the SCH website at <https://ceqanet.opr.ca.gov/>.

If you have any questions, please contact the appropriate Division office or visit us at www.conservation.ca.gov/calgem.

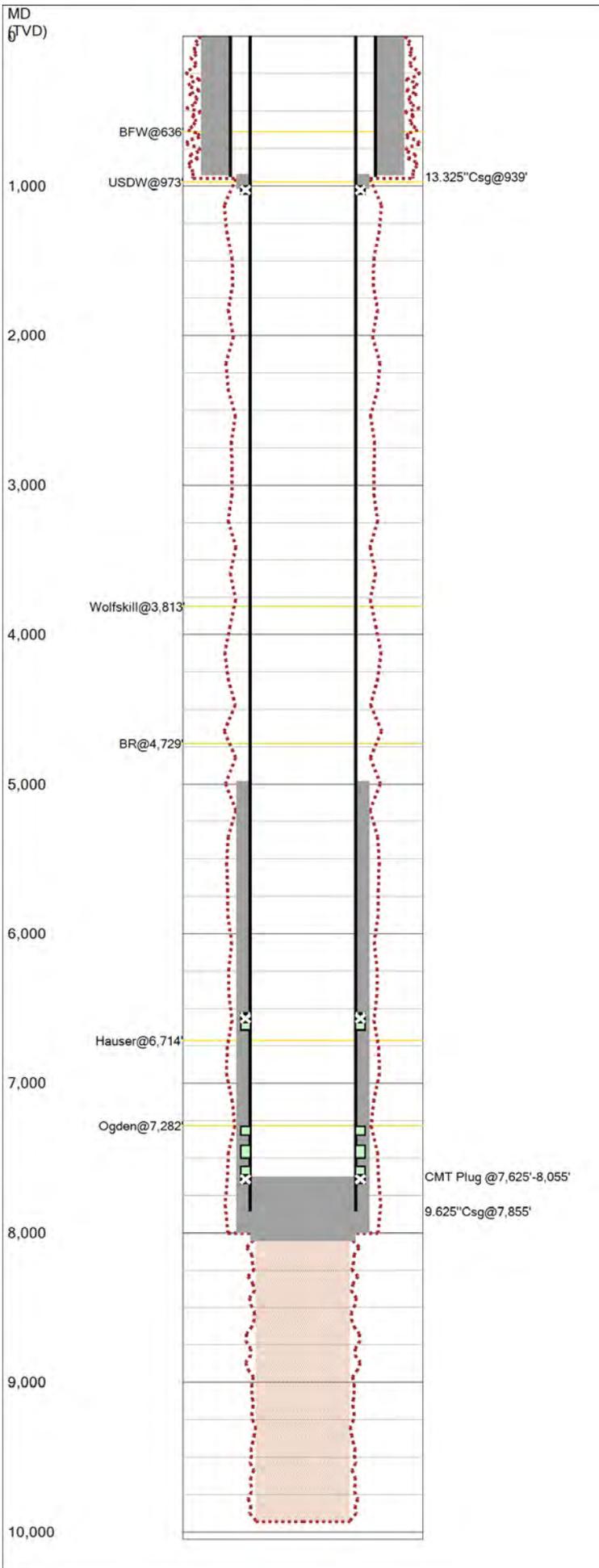
Sincerely,

Scott Walker
Senior Oil and Gas Engineer

CC People:

CC Organizations:

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.



Last Updated: 9/26/2022 07:41 AM

Field Name		Lease Name		Well No.		
Beverly Hills		Hillcrest		OC-5		
County		State		API No.		
Los Angeles (037)		California		04037001110000		
Version		Version Tag				
0						
GL (ft)	KB (ft)	Section	Township/Block	Range/Survey		
	12.0	25	1S	15W		
Operator		Well Status	Latitude	Longitude		
E & B Natural Resources Management Corporation		Active				
Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From		
Prop Num		Spud Date	Comp. Date			
		8/11/1965	9/27/1965			
Additional Information						
TD (ft)	Other 2	Other 3	Other 4			
Prepared By		Updated By		Last Updated		
reedt		reedt		9/26/2022 7:41 AM		
Hole Summary						
Date	Diam. (in)	Top (MD ft)	Bottom (MD ft)	Memo		
	18.625	0	950			
	12.250	950	8,003			
	8.625	8,003	9,933			
Tubular Summary						
Date	Description	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)
	Conductor Casing	13.325			0	939
	Production Casing	9.625	43.50		0	7,855
Casing Cement Summary						
C	Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Memo
			13.325	0	930	
			9.625	920	1,020	
			9.625	4,979	8,003	
Tools/Problems Summary						
Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	
	Mud	8.625	0.000	8,055	9,933	
Cement Plug Summary						
Date	No. Sx	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Memo	
		9.625	7,625	8,055		
Perforation Summary						
C	Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)	
		Squeezed		1,000	7,616	
		Open		6,550	7,590	
Formation Tops Summary						
Formation		Top (TVD ft)	Comments			
BFW		636	BFW@636'			
USDW		973	USDW@973'			
Wolfskill		3,813	Wolfskill@3,813'			
BR		4,729	BR@4,729'			
Hauser		6,714	Hauser@6,714'			

Last Updated: 9/26/2022 07:41 AM

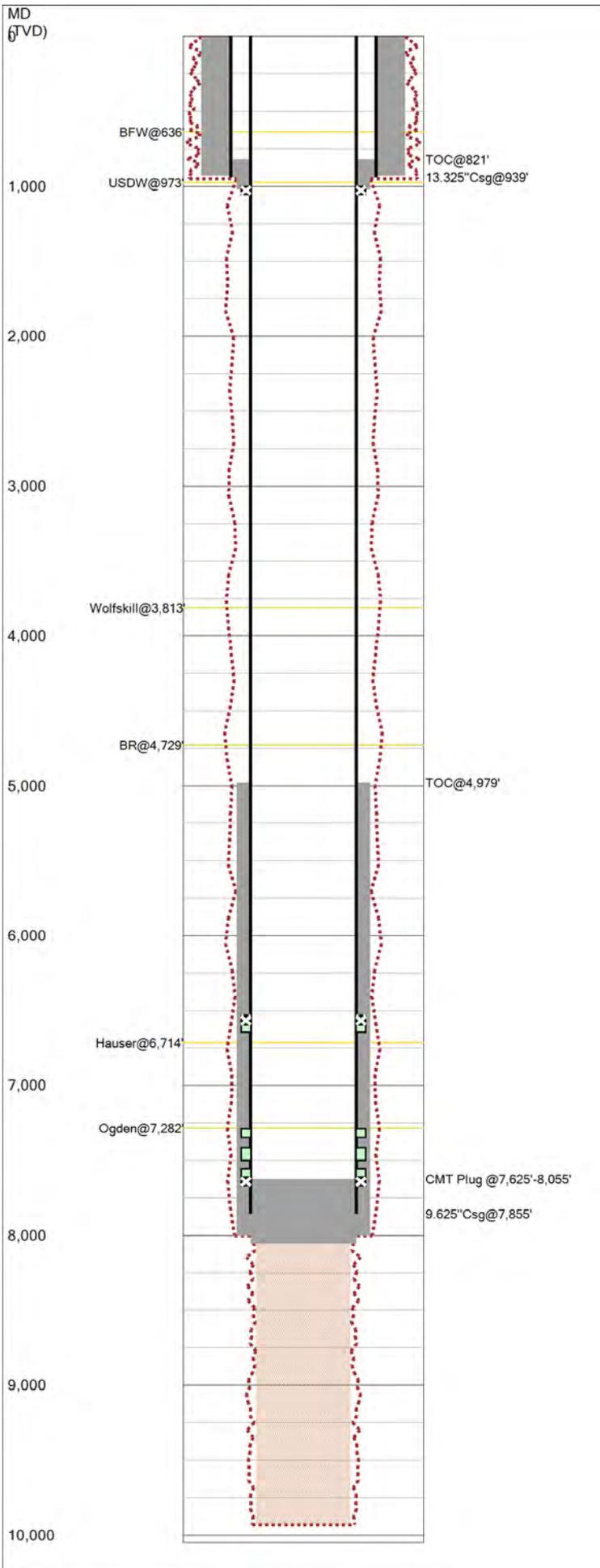
Formation	Top (TVD ft)	Comments
Ogden	7,282	Ogden@7,282'

Last Updated: 9/26/2022 07:41 AM

Field Name		Lease Name		Well No.	County		State		API No.	
Beverly Hills		Hillcrest		OC-5	Los Angeles (037)		California		04037001110000	
Version	Version Tag				Spud Date		Comp. Date		GL (ft)	KB (ft)
0					8/11/1965		9/27/1965			12.0
Section	Township/Block		Range/Survey		Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From	
25	1S		15W							
Operator				Well Status		Latitude		Longitude		Prop Num
E & B Natural Resources Management Corporation				Active						
TD (ft)			Other 2		Other 3			Other 4		
Last Updated				Prepared By			Updated By			
09/26/2022 7:41 AM				reedt			reedt			
Additional Information										
Hole Summary										
Date	Diam. (in)	Top (MD ft)	Bottom (MD ft)	Memo						
	18.625	0	950							
	12.250	950	8,003							
	8.625	8,003	9,933							
Tubular Summary										
Date	Description		No. Jts	O.D. (in)	Wt (lb/ft)	Grade	Coupling	Top (MD ft)	Bottom (MD ft)	Memo
	Conductor Casing			13.325				0	939	
	Production Casing			9.625	43.50			0	7,855	
Casing Cement Summary										
C	Date	No. Sx	Yield (ft3/sk)	Vol. (ft3)	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Description		Memo
			1.00		13.325	0	930			
			1.00		9.625	920	1,020			
			1.00		9.625	4,979	8,003			
Tools/Problems Summary										
Date	Tool Type			O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	Description		Memo
	Mud			8.625	0.000	8,055	9,933			
Cement Plug Summary										
Date	No. Sx	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Memo					
		9.625	7,625	8,055						
Perforation Summary										
C	Date	Stage	Perf. Status	Formation		Closed Date		Memo		
			Squeezed							
Top (MD ft)		Bottom (MD ft)		SPF	Shots	Phasing (deg)		Interval Memo		
1,000		1,020								
6,530		6,531								
6,540		6,541								
7,615		7,616								
C	Date	Stage	Perf. Status	Formation		Closed Date		Memo		
			Open							
Top (MD ft)		Bottom (MD ft)		SPF	Shots	Phasing (deg)		Interval Memo		
6,550		6,643								
7,290		7,345								
7,415		7,500								
7,558		7,590								
Formation Top Summary										
Formation Name		Top(TVD ft)		Memo						

Last Updated: 9/26/2022 07:41 AM

Formation Name	Top(TVD ft)	Memo
BFW	636	
USDW	973	
Wolfskill	3,813	
BR	4,729	
Hauser	6,714	
Ogden	7,282	



Last Updated: 12/4/2022 08:28 AM

Field Name		Lease Name		Well No.		
Beverly Hills		Hillcrest		OC-5		
County		State		API No.		
Los Angeles (037)		California		04037001110000		
Version		Version Tag				
0		Cement USDW				
GL (ft)	KB (ft)	Section	Township/Block	Range/Survey		
	12.0	25	1S	15W		
Operator		Well Status	Latitude	Longitude		
E & B Natural Resources Management Corporation		Active				
Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From		
Prop Num		Spud Date	Comp. Date			
		8/11/1965	9/27/1965			
Additional Information						
TD (ft)	Other 2	Other 3	Other 4			
Prepared By		Updated By		Last Updated		
reedt		reedt		12/4/2022 8:28 AM		
Hole Summary						
Date	Diam. (in)	Top (MD ft)	Bottom (MD ft)	Memo		
	18.625	0	950			
	12.250	950	8,003			
	8.625	8,003	9,933			
Tubular Summary						
Date	Description	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)
	Conductor Casing	13.325			0	939
	Production Casing	9.625	43.50		0	7,855
Casing Cement Summary						
C	Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Memo
			13.325	0	930	
			9.625	821	939	
			9.625	939	1,020	
			9.625	4,979	8,003	
Tools/Problems Summary						
Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	
	Mud	8.625	0.000	8,055	9,933	
Cement Plug Summary						
Date	No. Sx	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Memo	
		9.625	7,625	8,055		
Perforation Summary						
C	Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)	
		Squeezed		1,000	7,616	
		Open		6,550	7,590	
Formation Tops Summary						
Formation		Top (TVD ft)	Comments			
BFW		636	BFW@636'			
USDW		973	USDW@973'			
Wolfskill		3,813	Wolfskill@3,813'			
BR		4,729	BR@4,729'			

Last Updated: 12/4/2022 08:28 AM

Formation	Top (TVD ft)	Comments
Hauser	6,714	Hauser@6,714'
Ogden	7,282	Ogden@7,282'

Last Updated: 12/4/2022 08:28 AM

Field Name		Lease Name		Well No.	County	State	API No.	
Beverly Hills		Hillcrest		OC-5	Los Angeles (037)	California	04037001110000	
Version	Version Tag				Spud Date	Comp. Date	GL (ft)	KB (ft)
0	Cement USDW				8/11/1965	9/27/1965		12.0
Section	Township/Block	Range/Survey		Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From
25	1S	15W						
Operator			Well Status		Latitude		Longitude	Prop Num
E & B Natural Resources Management Corporation			Active					
TD (ft)		Other 2		Other 3		Other 4		
Last Updated			Prepared By			Updated By		
12/04/2022 8:28 AM			reedt			reedt		

Additional Information

Hole Summary				
Date	Diam. (in)	Top (MD ft)	Bottom (MD ft)	Memo
	18.625	0	950	
	12.250	950	8,003	
	8.625	8,003	9,933	

Tubular Summary									
Date	Description	No. Jts	O.D. (in)	Wt (lb/ft)	Grade	Coupling	Top (MD ft)	Bottom (MD ft)	Memo
	Conductor Casing		13.325				0	939	
	Production Casing		9.625	43.50			0	7,855	

Casing Cement Summary									
C	Date	No. Sx	Yield (ft3/sk)	Vol. (ft3)	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Memo
			1.00		13.325	0	930		
			1.00		9.625	821	939		
			1.00	44	9.625	939	1,020		
			1.00		9.625	4,979	8,003		

Tools/Problems Summary							
Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Memo
	Mud	8.625	0.000	8,055	9,933		

Cement Plug Summary					
Date	No. Sx	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Memo
		9.625	7,625	8,055	

Perforation Summary							
C	Date	Stage	Perf. Status	Formation	Closed Date	Memo	
			Squeezed				
Top (MD ft)		Bottom (MD ft)		SPF	Shots	Phasing (deg)	Interval Memo
1,000		1,020					
6,530		6,531					
6,540		6,541					
7,615		7,616					

C	Date	Stage	Perf. Status	Formation	Closed Date	Memo	
			Open				
Top (MD ft)		Bottom (MD ft)		SPF	Shots	Phasing (deg)	Interval Memo
6,550		6,643					
7,290		7,345					
7,415		7,500					
7,558		7,590					

Formation Top Summary

Last Updated: 12/4/2022 08:28 AM

Formation Name	Top(TVD ft)	Memo
BFW	636	
USDW	973	
Wolfskill	3,813	
BR	4,729	
Hauser	6,714	
Ogden	7,282	

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

HISTORY OF OIL OR GAS WELL

Operator	E&B Natural Resources	Field	Cheviot Hills	County	Los Angeles
Well	OC-5	Sec.	25	T.	01S
A.P.I. No.	04-037-00111	Name	Samuel Layton	Title	Production Operation Engineer
			(Person submitting report)		(President, Secretary, or Agent)
Date	12/7/2022	Signature	<i>Samuel Layton</i>		
	(Month, day, year)		Telephone Number	661.332.3984	
Address	1608 Norris Road; Bakersfield CA 93308				

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during re-drilling or altering the casing, plugging, or abandonment, with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, and initial production data.

Date	
10/24/2022	Spot in rig. Spot in pump and half tank. MIRU rig guy out lines. Bleed down well 20 psi on casing. Nipple down HRP cylinder. unseat pump. Lay down Cylinder. Rig up rod equipment. install rod BOP. POOH with rods lay down K-bars and pump. Nipple down top flange POOH lay down 5 1/2 support tool. nipple up and function test bop. Rig up tubing equipment. POOH with tubing. EOT
10/25/2022	Run in hole with 9 5/8" All-weight scraper and 42 JNTs to 1300'. POOH with TBG lay down scraper. Make up 9 5/8" retrievable bridge plug. run in hole with 38 joints. set RBP at 1200' ft center-of-Equipment EOT
11/15/2022	Pressure test blind rams to 800 psi held solid 30 minutes. Tested pipe rams 800 psi 30 minutes held solid. waited 1 hour on CalGem. CalGem rep Marc Cooper witnessed BOP test and valves test. tested pipe rams to 800 psi held solid 30 min. lay down pup joints tested blind rams 1090 psi. 30 minutes held solid. Tested kill line valve and casing vale 1340 psi 3 min held solid. BOP test passed. bleed off pressure. close in well secure rig and equipment.
11/16/2022	Open well 0 psi. spot in rig up wireline. RIH shoot perforations from 1020' to 1000' ft. RDMO Wireline. Make up 9 5/8 packer rih with 2 joints set at 70' rig up cement equipment establish injection rate 1.8 BPM @300 psi. unset packer POOH 2 joints lay down packer. RIH with 16 stands open ended TBG set TBG tail @ 1020'. rig up cementers pressure test lines to 1500 psi. Mix and pump. 65.35 cu/ft class G neat cement. displace with 5.1 bbls water. ETOC before squeeze @ 866.5'. POOH with 16 stands TBG make up 9 5/8 packer RIH set packer @ 70' pump / squeeze 44.06 cu/ft leaving ETOC after squeeze @ 970' starting rate 1 BPM @ 200 psi mid .9 BPM @ 300 psi end .9 BPM end rate .9 BPM @ 300 psi closed in well with 300 psi. secure rig and well EOT NOTE @ 9:11 Am CalGem rep Paula Mott witnessed cement job and squeeze. @ 12:30 pm sent Paula Mott pictures of cement Equipment and pump hoses. @ 1:40 sent Paula Mott Text wit CIP time 1:25 pm and volumes pumped, pump rates squeeze volumes and shut-in pressure. @ 1:51 Paula Mott replied, "Great thanks!"
11/17/2022	Open well 60 psi. Bleed off pressure. Unset packer POOH lay down packer. Make up run in hole with 8 1/2 drill bit, bit sub, 2- 4 3/4" drill collars x-over and 15 stand of TBG tag cement at 994'. with 4' in on joint #30. L/D1 joint install PGSR and rubber. move in rig up power swivel. break circulation. drill out cement from 994' to sand at 1193' circulate out sand plug to top of RBP at 1200' circulate till clean got back sand and cement cuttings. rig down move out power swivel. POOH with 38 joints L/D drill collars and bit. make up retrieving tool RIH with 19 stands install circulating rubber and king swivel. latch up RBP. tried to unset RBP was stuck worked for 1.5 hours rotating and pumping lease water down TBG and casing. RBP came free POOH with TBG L/D RBP. close in well secure rig and equipment. EOT NOTE: @ 11:45 am CalGem rep Obeyed Mohammedi was on location and witnessed tag of cement plug at 994' ft.
11/18/2022	Open well 0 psi. spot In rig up Hydro tester Tally and test in hole with production TBG string 230 joints 2 7/8 TBG to 5000 psi blew 6 joints #77, #69 #67 #66 #68 #62. also laid down 3 joints with scale test tools got stuck had to pull out with blocks changed cups 3 times. tested in 4 replacement joints rig out hydro tester close in well secure rig and equipment. EOT will haul in 5 new replacement joints in am.
11/19/2022	Open well 0 psi. Tally and run-in hole with 5 joints tubing. N/D BOP hoses. Remove X-over spools and BOP. Make up 5 1/2 support tool. land and nipple up top flange. install riser spool and Rod BOP. rig up rod equipment. RIH with pump, 8-1 1/2" K-Bars, 146-3/4" HS rods with 4 per guides, 87-7/8" HS rods with 4 per guides. haul in 3 rods from rancho lease stack out pump and space out rods added 12 ft of subs. install HRP cylinder. seat pump fill TBG with lease water stroke test pump with rig pumping good land and nipple up hydraulic lines and flow lines clean up location load out tools and equipment. install cellar covers. roll up accumulator hoses. waited on pumper to start well pumping. pumping good. Drop guy wires RDMO clean up location RTP well JOB COMPLETE EOT

Form Information

Form Name Notice of Intention	Organization Hillcrest Beverly Oil Corp.	Notice Type Rework	Is this a Supplementary Notice to a previously approved permit? No
Well API 0403701054	Wellbore Number 00	Permit No	Description OC-1 Cement squeeze USDW Isolation

Operator Information

Organization Name Hillcrest Beverly Oil Corp.	Type of Organization Corporation	Address Line 1 1600 Norris Road	Address Line 2
City, State, Zip Bakersfield, CA, 93308	Phone Number (661) 679-1700	Ext	

Operator Information - Form Contacts

Name Trenton Reed	Phone Number	Email trenton.reed@ebresources.com	Role Submitter
Name Louis Zylstra	Phone Number (714) 968-4770	Email lzylstra@ebresources.com	Role Agent
Name Samuel Layton	Phone Number	Email samuel.layton@ebresources.com	Role Technical Contact

Well Information 1

Current Well Type Oil & Gas	Proposed Well Type Oil & Gas	Date 9/26/2022	Bond Number RLB0015649
Please enter the Oil and Gas Lease associated to this Notice 260142-Olympic Community	Notice Type Rework	Leases Coincide No	Submitted Bond Form Used No
Well Name Unspecified	Submitted Lease Form Used No	Well Number 1	Well Designation
Area West	UIC Project Code	UGS Project Code	Field Beverly Hills
This notice submitted in conjunction with a request for Well Stimulation project authorization No	This is an Exploratory Well No	This is a dry hole No	This notice includes a confidentiality request letter No
	The presence of H2S (Hydrogen Sulfide) or waste gas is anticipated No	H2S Concentration	This well penetrates or passes through a UIC Project No
	Penetrated UIC Project Code	This well penetrates or passes through a UGS Project No	Penetrated UGS Project Code
			This proposal will result in the well passing into, or through, a thermal enhanced recovery project

No

Well Information 2

Depth measurements are referenced to Kelly Bushing	Feet Above Ground 12	Elevation of ground above Mean Sea Level Proposed 210	Please select the direction of this wellbore Directional
This well will be drilled with underbalanced fluids program No	Fresh Water is present Yes	USDW present Yes	Describe any known significant geologic markers below, and estimated depths
Annular Preventer Yes	Pressure rating (in PSI) 3000	Pipe Present Yes	Pipe Pressure rating (in PSI) 3000
Pipe Count 1	Blind Present Yes	Blind Pressure rating (in PSI) 3000	Blind Count 1
Shear Present Yes	Shear Pressure rating (in PSI) 3000	Shear Count 1	Rotating Head Present No
Rotating Head Pressure rating (in PSI)	Salt formations are anticipated No	Formation Names	Salt Based Drilling fluids will be used No
Oil Based Drilling fluids will be used No	Mud System	Mud Disposal Method	Cuttings Disposal

Well Information 2 - Wellbore Depths Grid

Proposed Bottom Hole MD	Proposed Bottom Hole TVD	Actual Bottom Hole MD	Actual Bottom Hole TVD
Proposed Plugback Depth MD	Proposed Plugback Depth TVD	Actual Plugback Depth MD	Actual Plugback Depth TVD

Well Information 2 - Zones of Significance

Zone Category Fresh Water	Zone Name	Expected/Actual	Top TVD
Top MD	Bottom TVD	Bottom MD 638	Pressure
Oil Gas Show			

Zone Category USDW	Zone Name	Expected/Actual	Top TVD
Top MD	Bottom TVD	Bottom MD 965	Pressure
Oil Gas Show			
Zone Category Hydrocarbon Zones	Zone Name Repetto	Expected/Actual	Top TVD
Top MD	Bottom TVD	Bottom MD 4244	Pressure
Oil Gas Show			
Zone Category Hydrocarbon Zones	Zone Name Monterey-Bentonite Brown	Expected/Actual	Top TVD
Top MD	Bottom TVD	Bottom MD 6355	Pressure
Oil Gas Show			
Zone Category Hydrocarbon Zones	Zone Name Modelo-Deep (Ogden)	Expected/Actual	Top TVD
Top MD	Bottom TVD	Bottom MD 6787	Pressure
Oil Gas Show			

Location ▶

Surface Section 25	Surface Township 01S	Surface Range 15W	Surface B&M SB
Surface Field Beverly Hills	Surface Latitude (NAD 83) 34.05070114	Surface Longitude (NAD 83) -118.40542603	Surface County Los Angeles
Surface Corner Call 848' South and 144' West from the intersection of the centerlines of Pico and Peg Place	Source Operator Submitted	Date Collected	
Location Description	Offshore Well No	Urban Area No	Tidal Zone No
Critical well as defined in CCR, title 14, Section 1720(a): Yes	Critical Well Information Within 300' of an human occupied building	Environmentally sensitive well as defined in CCR, title 14, Section 1760(f): Yes	

Environmentally Sensitive Well Information

Within 300' of an human occupied building

Bottom Section

25

Bottom Township

01S

Bottom Range

15W

Bottom B&M

SB

Bottom Field

Beverly Hills

Bottom Latitude

34.05821403

Bottom Longitude

-118.4048154

Bottom County

Los Angeles

Bottom Corner

N/A

Feature And Cement**Notes****Feature And Cement - Wellbore Construction Features**

Feature Borehole	Unique ID F1	Top 0	Bottom 931
Outside Diameter 18	Inside Diameter	Weight	Grade/Type
New Pipe	Install Date	RemoveDate	Pulled
Pressure	Connection Type	Description	Status New

Feature Borehole	Unique ID F2	Top 931	Bottom 2000
Outside Diameter 12.5	Inside Diameter	Weight	Grade/Type
New Pipe	Install Date	RemoveDate	Pulled
Pressure	Connection Type	Description	Status New

Feature Borehole	Unique ID F3	Top 2000	Bottom 6230
Outside Diameter 12.250	Inside Diameter	Weight	Grade/Type
New Pipe	Install Date	RemoveDate	Pulled

Pressure	Connection Type	Description	Status New
Feature Borehole	Unique ID F4	Top 6230	Bottom 7945
Outside Diameter 10.625	Inside Diameter	Weight	Grade/Type
New Pipe	Install Date	RemoveDate	Pulled
Pressure	Connection Type	Description	Status New
Feature Borehole	Unique ID F5	Top 7945	Bottom 8213
Outside Diameter 12.250	Inside Diameter	Weight	Grade/Type
New Pipe	Install Date	RemoveDate	Pulled
Pressure	Connection Type	Description	Status New
Feature Surface Casing	Unique ID F6	Top 0	Bottom 931
Outside Diameter 13.325	Inside Diameter	Weight 43.5	Grade/Type
New Pipe	Install Date	RemoveDate	Pulled
Pressure	Connection Type	Description	Status New
Feature Production Casing	Unique ID F7	Top 0	Bottom 8187
Outside Diameter 7	Inside Diameter	Weight 26	Grade/Type
New Pipe	Install Date	RemoveDate	Pulled
Pressure	Connection Type	Description	Status New

Feature And Cement – Cement Segments

Associated Feature F7	Unique ID C1	Inside/Outside Casing Outside	Top 5720
Bottom 8187	Volume (Sacks)	Yield (cu ft per sack)	Volume (cubic ft)
Verify Method	Cementing Company	Install Date	Removal Date
Cement ID	Job Type	Description	Status New

Associated Feature F6	Unique ID C2	Inside/Outside Casing Outside	Top 0
Bottom 931	Volume (Sacks)	Yield (cu ft per sack)	Volume (cubic ft)
Verify Method	Cementing Company	Install Date	Removal Date
Cement ID	Job Type	Description	Status New

Feature And Cement – Cement Classes

No Data to Display

Completion And Perforation

Notes

Completion And Perforation – Completion Interval

Unique ID C1	Type Oil & Gas	Interval Status Idle	Field Beverly Hills
Area West	Pool Code Miocene	Top	Bottom
Formation	Status Current	Injection Method	

Completion And Perforation – Perforation

No Data to Display

Proposed Work

Proposed Work Description

CEQA Information

Did the Local Agency prepare an Environmental Document for this

project? Yes	If the Local Agency prepared an environmental document for this project, please indicate which of the following applies: Permit was issued, and the project is within scope of a prior environmental document	If an environmental document was not prepared, did the Local Agency determine this project to be exempt?: No, this project was not exempt
------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------

Please indicate if a permit was issued: No permit was issued or Permit is not required	Is there a CEQA Lead Agency? (other than CalGEM) Yes	Is there a NEPA Lead Agency? No
--------------------------------------------------------------------------------------------------	----------------------------------------------------------------	-------------------------------------------

CEQA Project Description

See attached Document - CEQA Project Description ; See Condition 19 of ZA Case No 14422 (Page 9) "Additional Steps Shall be taken to prevent the vertical movement of brine into fresh water zones."

Surface Ownership Private Yes	Surface Ownership State No	Surface Ownership Federal No	Surface Ownership Tribal No
Surface Ownership Agency Name	Mineral Ownership Private Yes	Mineral Ownership State No	Mineral Ownership Federal No
Mineral Ownership Tribal No	Mineral Ownership Agency Name	CEQA Lead Agency City of Los Angeles Planning Dept	CEQA Lead Agency Contact Edber Macedo
CEQA Lead Agency Address 200 N. Spring St, Room 763	Address Line 2	City Los Angeles	State CA
Zip Code 90012	Phone Number	Phone Number Extension (Ext)	Email Address
Negative Declaration No	Mitigated Negative Declaration No	Environmental Impact Report No	Subsequent No
Supplemental No	Addendum No	Substitute Document Yes	Project Title

Project Scope

Well Name: Olympic Community 1 API #: 04-037-01054 Lease: Hillcrest Address:10000 W Pico Blvd, Los Angeles, CA 90064 Hillcrest Beverly Oil Company plans to squeeze Cement in order to isolate USDW on OC-1 in the Beverly Hills field. This will involve the use of temporary equipment such as mud pumps, bins, cement mixers etc. Hillcrest Beverly Oil Company will follow all procedures and steps set forth by CalGEM. See Condition 19 of ZA Case No 14422 (Page 9) "Additional Steps Shall be taken to prevent the vertical movement of brine into fresh water zones."

Date EIR Certified or ND/MND Adopted 10/2/1957	State Clearinghouse Number	CEQA Notice Type Notice of Determination	Local Agency Name
Local Agency Contact Name	CEQA Documentation	State Clearinghouse Number	CEQA Notice Type
Local Agency Contact Date	Phone Number	Phone Number Extension (Ext.)	Email Address
NEPA Lead Agency	NEPA Lead Agency Contact	NEPA Lead Agency Address	Address Line 2
City	State	Zip Code	Phone Number
Phone Number Extension (Ext)	Email Address	Categorical Exclusion No	Environmental Assessment/FONSI/DNA No
Sundry Notice No	Environmental Impact Statement No	Project Title	NEPA Project Number

Document Upload

Upload Date 9/26/2022 2:00:34 PM	Uploaded By Trenton Reed	Type Wellbore Diagram	Description OC-1 Proposed WBD
Document ID	Document Type pdf	Confidentiality Requested No	Internal use only No
Size 0.767 MB	Filename OC-1 USDW Isolation WBD.pdf		

Upload Date 9/26/2022 2:00:34 PM	Uploaded By Trenton Reed	Type Other	Description OC-1 Cement Squeeze Program
Document ID	Document Type pdf	Confidentiality Requested No	Internal use only No
Size 0.069 MB	Filename OC-1 USDW Isolation.pdf		

Upload Date 10/7/2022 4:50:55 PM	Uploaded By Samuel Layton	Type CEQA - Notice of Determination	Description ZA Case No. 14422 - Hillcrest Drillsite
Document ID	Document Type pdf	Confidentiality Requested No	Internal use only No
Size 7.31 MB	Filename Case 14422 - 1957 HBOC Hillcrest.pdf		

Upload Date 10/7/2022 4:50:55 PM	Uploaded By Samuel Layton	Type CEQA - Project Description	
Description CEQA Project Description - OC-1 - Freshwater Protection -	Document ID	Document Type pdf	
	Confidentiality Requested No	Internal use only No	
Size 0.062 MB	Filename Revised CEQA Project Description - OC1 - OC5 - BHC6.pdf		

Upload Date 10/12/2022 9:05:54 PM	Uploaded By Tamara Lopez	Type Other	Description Revised program
Document ID	Document Type pdf	Confidentiality Requested No	Internal use only No
Size 0.070 MB	Filename OC-1 USDW Isolation Program.pdf		

Form Submit - Online Form Association Grid ▶

No Data to Display

Form Submit - Acknowledgement ▶

Submit Date 10/7/2022	Submitter Name Samuel Layton	Submitter Email samuel.layton@ebresources.com	Submitter Organization Hillcrest Beverly Oil Corp. (H4325)
---------------------------------	----------------------------------------	---------------------------------------------------------	----------------------------------------------------------------------

Review And COAs ▶

Interested Federal Agencies	The Operator was given verbal approval to proceed with action before this permit was issued	If yes, please describe the reason	This proposed work Program is consistent with the requirements of Section 1726.5
No	No		No

Review And COAs – Conditions of Approval

This section was completed by an EDD, refer to EDD file to see original data values.

Confidentiality Review

Onshore/Offshore Onshore	Current Confidentiality Status Not Confidential	Current Confidentiality Expiration Date	Confidentiality Status
Date Of Determination 10/10/2022 6:24:36 AM	Confidentiality Expiration Date		

NOI Correspondence

Correspondence Type Approved Permit	Date 10/10/2022	Agent Name Louis Zylstra	Agent Address Line 1 1600 Norris Road
Agent Address Line 2	City Bakersfield	State CA	Zip Code 93308
Organization Name Hillcrest Beverly Oil Corp.	Subject Permit to Isolate Underground Source of Drinking Water for "OC" 1, API 0403701054	Signatory Name Scott Walker	
CC Organizations	Signatory Title Senior Oil and Gas Engineer	CC People	
Correspondence Text Engineer: Tamara Lopez Direct: (714) 822-9449 Office: (562) 637-4400			

Comments

Comment Date 9/29/2022 10:48:23 AM	Created By Tharon Wright
Comment CEQA step 10: Operator to review WellSTAR Guide here: https://www.conservation.ca.gov/calgem/CEQA and amend local agency section. CalGEM is not the local agency.	
Comment Date 10/7/2022 11:13:49 AM	Created By Renee (Xinyi) Hu
Comment Please indicate environmental document exists in CEQA Step 10 and attach the document. In Project Scope, list the page numbers of the document that cover the activity Rework. The operator is requested to review page 7 for the project description (click CalGEM CEQA Webpage, then CEQA Project Description Example) and create a project description based on the examples provided for step 10. https://www.conservation.ca.gov/calgem/Documents/WellSTAR/All-Trainina/R5.1.1-CEQA-UG.pdf	

Review Tasks

Task Name Final Determination	Workgroup Southern Senior Engineer	Assigned To Scott Walker	Created 10/10/2022 10:22:18 AM
Last Updated			

10/13/2022 7:50:01 AM

Review Status
Approve

Task Name
Completeness Check

Workgroup
Southern Completeness

Assigned To
Barry Irick

Created
10/7/2022 4:54:04 PM

Last Updated
10/10/2022 6:26:47 AM

Review Status
Pass

Task Name
Final Determination - Sub Task

Workgroup
Southern Completeness

Assigned To
Tamara Lopez

Created
10/11/2022 2:29:38 PM

Last Updated
10/13/2022 7:49:42 AM

Review Status
Pass

Task Name
CEQA District NOI Review

Workgroup
CEQA Southern Review

Assigned To
Renee (Xinyi) Hu

Created
10/10/2022 6:27:11 AM

Last Updated
10/10/2022 10:16:37 AM

Review Status
Pass

Task Name
Notice of Intention Review

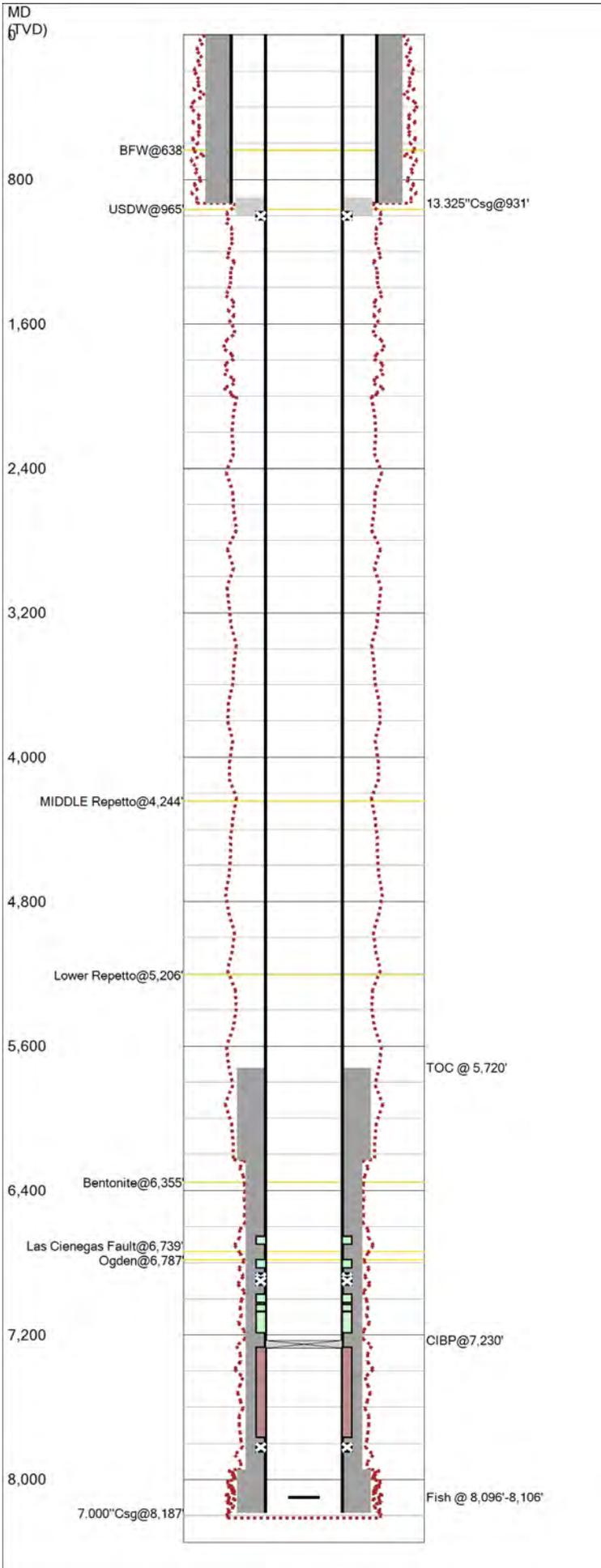
Workgroup
Southern Notice Review

Assigned To
Barry Irick

Created
10/10/2022 10:16:50 AM

Last Updated
10/10/2022 10:22:07 AM

Review Status
Pass



Last Updated: 9/23/2022 01:25 PM

Field Name		Lease Name		Well No.		
Beverly Hills		HBOC		OC-1		
County		State		API No.		
Los Angeles (037)		California		04037010540000		
Version		Version Tag				
0						
GL (ft)	KB (ft)	Section	Township/Block	Range/Survey		
	11.0	25	1S	15W		
Operator		Well Status		Latitude	Longitude	
Hillcrest Beverly Oil Company		Idle				
Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From		
Prop Num		Spud Date		Comp. Date		
		12/18/1958				
Additional Information						
TD (ft)	Other 2		Other 3		Other 4	
Prepared By		Updated By		Last Updated		
reedt		reedt		9/23/2022 1:25 PM		
Hole Summary						
Date	Diam. (in)	Top (MD ft)	Bottom (MD ft)	Memo		
	18.000	0	931			
	12.500	931	2,000			
	12.250	2,000	6,230			
	12.250	7,945	8,213			
	10.625	6,230	7,945			
Tubular Summary						
Date	Description	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)
	Conductor Casing	13.325			0	931
	Surface Casing	7.000			0	8,187
Casing Cement Summary						
C	Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Memo
			13.325	0	931	
			7.000	900	1,000	
			7.000	5,720	6,230	
			7.000	7,945	8,187	
			7.000	6,230	7,945	
Tools/Problems Summary						
Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	
	CIBP	7.000	0.000	7,230	0	
	Fish	2.785	0.000	8,096	8,106	
Perforation Summary						
C	Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)	
		Squeezed		980	7,801	
		Open		6,655	7,190	
		Isolated		7,268	7,768	
Formation Tops Summary						
Formation		Top (TVD ft)	Comments			
BFW		638	BFW@638'			
USDW		965	USDW@965'			

Last Updated: 9/23/2022 01:25 PM

Formation	Top (TVD ft)	Comments
MIDDLE Repetto	4,244	MIDDLE Repetto@4,244'
Lower Repetto	5,206	Lower Repetto@5,206'
Bentonite	6,355	Bentonite@6,355'
Las Cienegas Fault	6,739	Las Cienegas Fault@6,739'
Ogden	6,787	Ogden@6,787'

Last Updated: 9/23/2022 01:25 PM

Field Name		Lease Name		Well No.	County	State	API No.	
Beverly Hills		HBOC		OC-1	Los Angeles (037)	California	04037010540000	
Version	Version Tag				Spud Date	Comp. Date	GL (ft)	KB (ft)
0					12/18/1958			11.0
Section	Township/Block	Range/Survey		Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From
25	1S	15W						
Operator			Well Status		Latitude		Longitude	Prop Num
Hillcrest Beverly Oil Company			Idle					
TD (ft)		Other 2		Other 3		Other 4		
Last Updated			Prepared By			Updated By		
09/23/2022 1:25 PM			reedt			reedt		

Additional Information

Hole Summary

Date	Diam. (in)	Top (MD ft)	Bottom (MD ft)	Memo
	18.000	0	931	
	12.500	931	2,000	
	12.250	2,000	6,230	
	12.250	7,945	8,213	
	10.625	6,230	7,945	

Tubular Summary

Date	Description	No. Jts	O.D. (in)	Wt (lb/ft)	Grade	Coupling	Top (MD ft)	Bottom (MD ft)	Memo
	Conductor Casing		13.325				0	931	
	Surface Casing		7.000				0	8,187	

Casing Cement Summary

C	Date	No. Sx	Yield (ft3/sk)	Vol. (ft3)	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Memo
			1.00		13.325	0	931		
			1.00		7.000	900	1,000		
			1.00		7.000	5,720	6,230		
			1.00		7.000	7,945	8,187		
			1.00		7.000	6,230	7,945		

Tools/Problems Summary

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Memo
	Cast Iron Bridge Plug	7.000	0.000	7,230	0		
	Fish	2.785	0.000	8,096	8,106		

Perforation Summary

C	Date	Stage	Perf. Status	Formation	Closed Date	Memo	
			Squeezed				
Top (MD ft)		Bottom (MD ft)		SPF	Shots	Phasing (deg)	Interval Memo
980		1,000					
6,860		6,861					
6,880		6,881					
7,800		7,801					
C	Date	Stage	Perf. Status	Formation	Closed Date	Memo	
			Open				
Top (MD ft)		Bottom (MD ft)		SPF	Shots	Phasing (deg)	Interval Memo
6,655		6,680					
6,785		6,800					
6,975		6,986					
7,030		7,050					
7,070		7,190					

Last Updated: 9/23/2022 01:25 PM

C	Date	Stage	Perf. Status	Formation	Closed Date	Memo
			Isolated			
Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Memo	
7,268	7,768					
Formation Top Summary						
Formation Name	Top(TVD ft)	Memo				
BFW	638					
USDW	965					
MIDDLE Repetto	4,244					
Lower Repetto	5,206					
Bentonite	6,355					
Las Cienegas Fault	6,739					
Ogden	6,787					



PERMIT TO CONDUCT WELL OPERATIONS

	Old	New
FIELD CODE	54	54
AREA CODE	6	6
POOL CODE	10	10

October 10, 2022

API No.: 0403701054-00

Permit No.: 7033899

Louis Zylstra
 Hillcrest Beverly Oil Corp.
 1600 Norris Road
 Bakersfield, CA 93308

The Division has received your Notice of Intention to Rework dated 9/26/2022 for well "Olympic Community" 1, API. No. 0403701054-00, RLB0015649 bond, Beverly Hills field, Sec. 25, T. 01S, R. 15W, SB B&M, Los Angeles County. Your Notice of Intention has been reviewed in conjunction with records currently held by the Division.

Engineer: Tamara Lopez
 Direct: (714) 822-9449
 Office: (562) 637-4400

DECISION: THE NOTICE OF INTENTION IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment, as defined by this Division's publication No. M07, shall be installed and maintained in operating condition and meet the following minimum requirements:
 - a. Class II 2M, with hydraulic controls, on the 7" casing. All casing annuli control valves must meet, or exceed, the same minimum pressure rating as the BOPE. The pipe safety valve must be suitable for all pipe in use.
 - b. A 2M lubricator for perforating operations.

2. This well is designated a CRITICAL WELL and as such, it must comply with section 1724.3 of the California Code of Regulations.

BOPE requirements for critical wells must also comply with the following:

- a. Any and all control lines common to the BOPE and installed within 25 feet of the well bore must be shielded properly and insulated so the temperature rating is equal to or greater than 450 degrees Fahrenheit.
- b. Separate controls must be connected to each preventer in the BOPE stack. All control stations must be capable of providing complete opening and closure of each preventer in the BOPE stack.
- c. A minimum of one control station must be located at least 25 feet from the well bore.
- d. An emergency backup system must be installed that utilizes an independent, explosive-safe source of actuating energy. The source of energy and all controlling mechanisms associated with the backup system must be located at least 25 feet from the well bore, and in close proximity to the control station described above.
- e. An access line of 2-inch minimum outside diameter must be installed below the preventer(s). In addition to the control valve installed at the wellhead, the access line must have a minimum of one control valve located at least 10 feet outside the cellar. The valve outside of the cellar will be the primary control valve for well work operations. The part of the access line located between the well bore and the control valve outside of the well cellar must be shielded properly and insulated so the temperature rating is equal to or greater than 450 degrees Fahrenheit.

3. Blowout prevention practice drills are conducted at least weekly and recorded on the tour sheet. A practice drill may be required at the time of the test/inspection.

4. Hole fluid of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts shall be used.

5. A retainer or packer is required for squeeze operations.

6. No program changes are made without prior Division approval.

THIS DIVISION SHALL BE NOTIFIED TO:

1. Witness a test of the installed blowout prevention equipment prior to commencing downhole operations.
2. Witness the cement squeeze through the perforations from 1000' to 980'.

NOTE:

1. All depth measurements are based on Kelly Bushing, which is 12' above Ground Level (GL). GL elevation is 210' above sea level.
2. The operator shall isolate the following zones:
 - a. The base of the Underground Source of Drinking Water (USDW) zone should be at 965'±.
3. All notifications for witnessing BOPE test shall be made to CalGEM's Southern District office at least eight (8) business hours prior (excluding holidays and weekends) to the scheduled BOPE test.
4. All notifications for witnessing are recommended to be made to CalGEM's Southern District office at least a day prior to actual witnessing event, with the exception of those which require longer notification per statues, regulations, or event-specific CalGEM communications. All notifications for witnessing and all requests for program changes are recommended to be made to CalGEM's Southern District office during weekdays, not including holidays, between 8:00 AM and 5:00 PM.
5. Upon completion of the proposed work, a History of Oil or Gas Well shall be submitted to this office, noting the effective date of reactivation.
6. In order to coordinate field surveillance, please contact this office prior to commencing operations.
7. This permit or project approval is for an oil, gas, or geothermal activity that the California Geologic Energy Management Division (CalGEM) reviewed in accordance with the California Environmental Quality Act (CEQA) and its implementing Guidelines. CalGEM reviewed the project as: (1) a Responsible Agency and considered the environmental document and analysis therein, as prepared by the Lead Agency; or (2) the Lead Agency and determined the project is exempt from CEQA requirements or is subject to CEQA and requires an environmental document. CalGEM will make findings regarding the proposed activity(ies) to any extent necessary, and issues this permit or approval with expertise in the activity(ies) authorized by this permit or approval. Any environmental document(s) and/or notice(s) filed with the State Clearinghouse (SCH), as prepared and approved by CalGEM for the project, may be found on the SCH website at <https://ceqanet.opr.ca.gov/>.

If you have any questions, please contact the appropriate Division office or visit us at www.conservation.ca.gov/calgem.

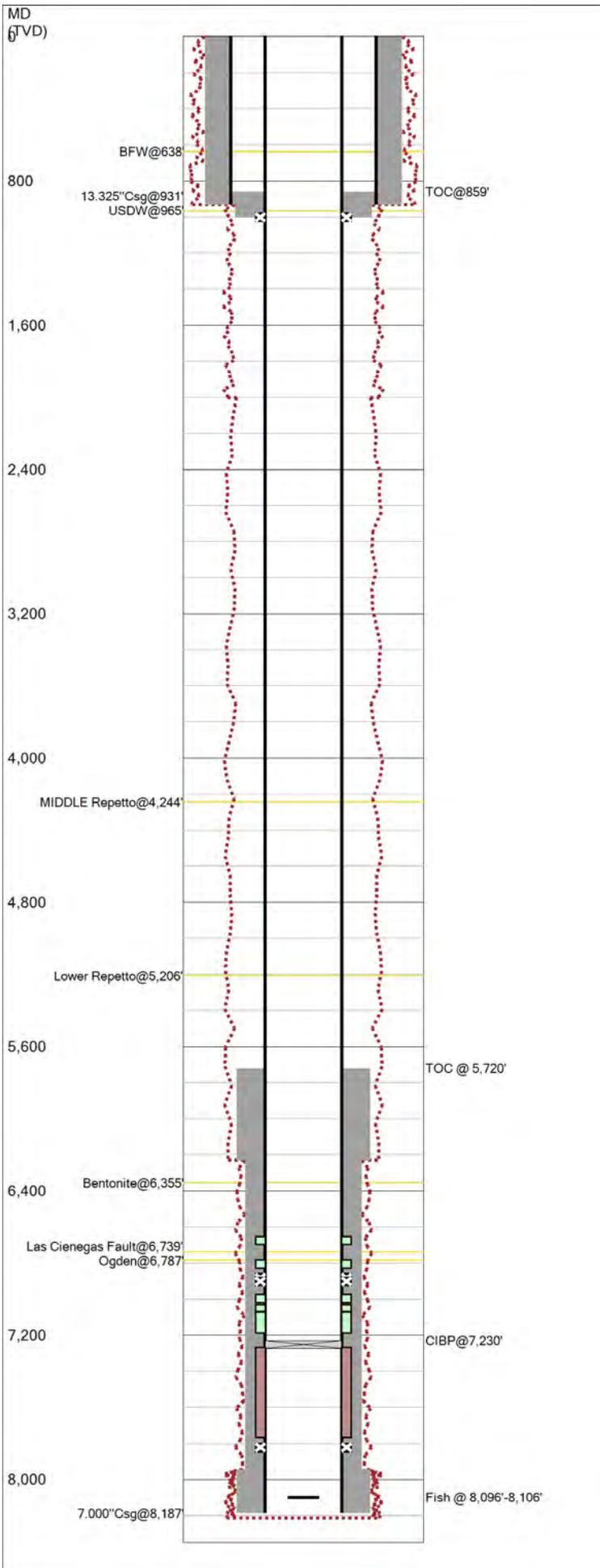
Sincerely,

Scott Walker
Senior Oil and Gas Engineer

CC People:

CC Organizations:

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.



Last Updated: 1/13/2023 02:15 PM

Field Name		Lease Name		Well No.		
Beverly Hills		HBOC		OC-1		
County			State		API No.	
Los Angeles (037)			California		04037010540000	
Version		Version Tag				
0		USDW Cement Squeeze				
GL (ft)	KB (ft)	Section	Township/Block		Range/Survey	
	11.0	25	1S		15W	
Operator		Well Status		Latitude	Longitude	
Hillcrest Beverly Oil Company		Idle				
Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From		
Prop Num			Spud Date		Comp. Date	
			12/18/1958			
Additional Information						
TD (ft)		Other 2		Other 3	Other 4	
Prepared By		Updated By		Last Updated		
reedt		reedt		1/13/2023 2:15 PM		
Hole Summary						
Date	Diam. (in)	Top (MD ft)	Bottom (MD ft)	Memo		
	18.000	0	931			
	12.500	931	2,000			
	12.250	2,000	6,230			
	12.250	7,945	8,213			
	10.625	6,230	7,945			
Tubular Summary						
Date	Description	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)
	Conductor Casing	13.325			0	931
	Surface Casing	7.000	26.00		0	8,187
Casing Cement Summary						
C	Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Memo
			13.325	0	931	
			7.000	859	931	
			7.000	931	1,000	
			7.000	5,720	6,230	
			7.000	7,945	8,187	
			7.000	6,230	7,945	
Tools/Problems Summary						
Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	
	CIBP	7.000	0.000	7,230	0	
	Fish	2.785	0.000	8,096	8,106	
Perforation Summary						
C	Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)	
		Squeezed		980	7,801	
		Open		6,655	7,190	
		Isolated		7,268	7,768	
Formation Tops Summary						
Formation		Top (TVD ft)	Comments			
BFW		638	BFW@638'			

Last Updated: 1/13/2023 02:15 PM

Formation	Top (TVD ft)	Comments
USDW	965	USDW@965'
MIDDLE Repetto	4,244	MIDDLE Repetto@4,244'
Lower Repetto	5,206	Lower Repetto@5,206'
Bentonite	6,355	Bentonite@6,355'
Las Cienegas Fault	6,739	Las Cienegas Fault@6,739'
Ogden	6,787	Ogden@6,787'

Last Updated: 1/13/2023 02:15 PM

Field Name		Lease Name		Well No.	County	State	API No.	
Beverly Hills		HBOC		OC-1	Los Angeles (037)	California	04037010540000	
Version	Version Tag				Spud Date	Comp. Date	GL (ft)	KB (ft)
0	USDW Cement Squeeze				12/18/1958			11.0
Section	Township/Block	Range/Survey		Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From
25	1S	15W						
Operator			Well Status		Latitude		Longitude	Prop Num
Hillcrest Beverly Oil Company			Idle					
TD (ft)		Other 2		Other 3		Other 4		
Last Updated			Prepared By			Updated By		
01/13/2023 2:15 PM			reedt			reedt		

Additional Information

Hole Summary

Date	Diam. (in)	Top (MD ft)	Bottom (MD ft)	Memo
	18.000	0	931	
	12.500	931	2,000	
	12.250	2,000	6,230	
	12.250	7,945	8,213	
	10.625	6,230	7,945	

Tubular Summary

Date	Description	No. Jts	O.D. (in)	Wt (lb/ft)	Grade	Coupling	Top (MD ft)	Bottom (MD ft)	Memo
	Conductor Casing		13.325				0	931	
	Surface Casing		7.000	26.00			0	8,187	

Casing Cement Summary

C	Date	No. Sx	Yield (ft3/sk)	Vol. (ft3)	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Memo
			1.00		13.325	0	931		
			1.00		7.000	859	931		
			1.00		7.000	931	1,000		
			1.00		7.000	5,720	6,230		
			1.00		7.000	7,945	8,187		
			1.00		7.000	6,230	7,945		

Tools/Problems Summary

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Memo
	Cast Iron Bridge Plug	7.000	0.000	7,230	0		
	Fish	2.785	0.000	8,096	8,106		

Perforation Summary

C	Date	Stage	Perf. Status	Formation	Closed Date	Memo	
			Squeezed				
Top (MD ft)		Bottom (MD ft)		SPF	Shots	Phasing (deg)	Interval Memo
980		1,000					
6,860		6,861					
6,880		6,881					
7,800		7,801					
C	Date	Stage	Perf. Status	Formation	Closed Date	Memo	
			Open				
Top (MD ft)		Bottom (MD ft)		SPF	Shots	Phasing (deg)	Interval Memo
6,655		6,680					
6,785		6,800					
6,975		6,986					
7,030		7,050					

Last Updated: 1/13/2023 02:15 PM

C	Date	Stage	Perf. Status	Formation	Closed Date	Memo
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Memo
	7,070	7,190				

C	Date	Stage	Perf. Status	Formation	Closed Date	Memo
			Isolated			
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Memo
	7,268	7,768				

Formation Top Summary

Formation Name	Top(TVD ft)	Memo
BFW	638	
USDW	965	
MIDDLE Repetto	4,244	
Lower Repetto	5,206	
Bentonite	6,355	
Las Cienegas Fault	6,739	
Ogden	6,787	

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

HISTORY OF OIL OR GAS WELL

Operator	E&B Natural Resources	Field	Cheviot Hills	County	Los Angeles
Well	OC-1	Sec.	25	T.	01S
A.P.I. No.	04-037-01054	Name	Samuel Layton	Title	Production Operation Engineer
			(Person submitting report)		(President, Secretary, or Agent)
Date	12/7/2022	Signature	<i>Samuel Layton</i>		
	(Month, day, year)		Telephone Number	661.332.3984	
Address	1608 Norris Road; Bakersfield CA 93308				

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during re-drilling or altering the casing, plugging, or abandonment, with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, and initial production data.

Date	
11/21/2022	MIRU install guy wires remove cellar cover. bleed down well 80 psi on casing and TBG. N/D well head flange. Strip on / nipple up 7" double gate BOP. spot in accumulator connect hoses and function test BOP. rig up TBG equipment. POOH with 222 joints 2 7/8 TBG. make up 7" AW scraper. tally and RIH with 42 joints TBG to 1300 ft POOH with tbg lay down scraper. Make up TRB 7" RBP. Run in hole with 19 stands set RBP @ 1215'. close in well secure rig and equipment. EOT
11/30/2022	CalGEM appointment at 8 AM. CalGEM Obeyd Mohammadi perform BOP inspection and test also witness tag'. Inspection good, tested casing against blind rams @ 830 for 15 min. Good test. Tested pipe rams @ 835 psi for 15 min. Good test. Tested 3 valves at well head back side individually @ 790 psi. good test. tested one valve outside of cellar kill line tested good @ 790 psi. Pass BOP Test. Released pressure. Rigged up wireline. Shot Perforations 980' – 1000'. RDMO wireline. Note: RBP sat at 1215' with 10' of sand on top. Secure well in and rig. Clean location. Crew drove back to yard. E.O.T. no accidents to report.
12/1/2022	Run in with mule shoe on bottom with tubing tail at 1020'. Top off well lease water, injection rate 2 bbl. A min. @ 250 psi. Spotted in cementers, rigged up. Pump 10 bbls. of H2o ahead, Mix and pump 131.3 cf. 23.8 bbls. 110 sacks, 14 mix G NEAT @ 15.6 ppg in two stages. From 1020'-426 in 7" 23# casing with last displacement of 2.4 bbls. fresh water. POOH with tubing string mule shoe. Top off well with 1.6 bbls. H2o. close in well with blind rams. Squeeze 17.8 bbls @ 1 barrel per minute @ 250 psi. TTOC 880' close well with 250 psi. Cementers wash out rigged down move off. Cal GEM Obeyd Mohammadi witness cement squeeze @ 11:30 am. TMG vac-truck pull wash out bin and top off by pulling cellar. Transported load to Patriot yard. Clean location, secure rig. Crew drove back to Carson yard. E.O.T. no accidents to report.
12/2/2022	Make up run in hole with 7" drill bit, bit sub, 2- 4 3/4" drill collars x-over and 13 stands of TBG. Tag cement at 808'. Total squeeze volume 85 cuft. ETOC outside 7" casing @ 828' Move in rig up power swivel. break circulation. drill out cement from 808' top of RBP at 1200'. POOH with 38 joints L/D drill collars and bit. make up retrieving tool RIH with 19 stands install circulating rubber and king swivel. latch up RBP. RBP came free POOH with TBG L/D RBP. EOT

CITY OF LOS ANGELES
CALIFORNIA

DEPARTMENT OF
CITY PLANNING

OFFICE OF THE
ZONING ADMINISTRATOR

361 CITY HALL
LOS ANGELES 12
MICHIGAN 5211

HUBER E. SMUTZ
ZONING ADMINISTRATOR



NORRIS POULSON
MAYOR

October 2, 1957

Signal Oil and Gas Company
Attn: Harold P. Clary
811 West Seventh Street
Los Angeles 17, California

Re: Z. A. CASE NO. 14422
10000 West Pico Boulevard
(Hillcrest Country Club)

Fire Prevention Bureau

Department of Building and Safety

Greetings:

In the matter of the application of Signal Oil and Gas Company, lessees, for determination of the conditions and methods of operation to be followed in the drilling for and production of oil and gas on a 1.14 acre controlled drilling site located in the R1 Zone approximately 500 ft. southerly of 10000 West Pico Boulevard and which controlled drilling site is to be utilized for directional drilling operations under urbanized oil drilling districts No. U-11 comprising the 138-acre Hillcrest Country Club and U-12 comprising a 40-acre plus subdivided area on both sides of Pico Boulevard northeasterly of said Country Club, please be advised that the Zoning Administrator has made the following finding of facts and determination permitting the use of the property as a controlled drilling site under certain prescribed conditions and methods of operation.

FINDING OF FACTS AND DETERMINATION

After thorough consideration of the statements contained in the application, the proceedings in connection with City Plan Case Nos. 7572 and 7571 which recently resulted in the enactment of ordinances establishing oil drilling districts No. U-11 and U-12, the instructions from the City Council to the Zoning Administrator under Council Files 75985 and 75986, the request from His Honor Mayor Poulson to the Zoning Administrator dated July 18, 1957 concerning the responsibilities of the Administrator in this particular matter and requesting that certain special conditions and regulations be required, the rather detailed analysis concerning the proper derrick heights for drilling wells under the conditions found on the subject property, as prepared by James N. Gregory, an eminent and respected mechanical engineer, dated September 11, 1957, the proceedings in connection with Z. A. Cases Nos. 12644 and 14263 which involve the terms and conditions under which drilling operations are now in progress on two controlled drilling sites on the adjacent 20th Century Fox Studio property, and correspondence with representatives of the applicant and adjacent residential property owners concerning suggested tentative terms and conditions under which drilling might

be regulated on the subject property, all of which are by reference made a part hereof, as well as recent personal inspection of the property involved, the surrounding neighborhood and the oil drilling and production methods being employed on the adjoining 20th Century Fox Studio property across Pico Boulevard to the north and those employed in the much quoted La Habra Heights drilling enterprise, and conferences with applicant's representatives concerning details of the proposal and conferences with the City's consulting oil advisor, Mr. Dean Sheldon, and other impartial oil drilling and production experts with respect to the practicality of using a shorter derrick and conducting drilling operations in deep excavations so as to reduce the conspicuousness of the derrick, I find as follows:

The property to be used as a controlled drilling site from which all drilling and production operations would be conducted under both urbanized oil drilling districts No. U-11 and U-12 comprises a portion of the Hillcrest Country Club and is located within oil drilling district No. U-11, recently created by ordinance, with said site located some 500 ft. southerly of Pico Boulevard and southeasterly of the clubhouse on the golf course. Said site consists primarily of a ravine surrounded on three sides by embankments, with the bottom of the ravine and area from which the actual drilling will take place located at least 40 ft. below the top of the ridges which surround the ravine. Said ravine is located within the Hillcrest Country Club golf course, several hundred feet from any adjacent privately owned property or public streets, with the golf course containing many clumps of high eucalyptus trees, some on ridges or knolls comprising the golf course which, coupled with the natural topography immediately surrounding the drilling site, will serve to essentially screen out and obscure all the proposed activities except the upper part of the enclosed soundproof derrick. The drilling site is exposed to adjacent residential property only on the southeasterly side, with said residential district located over one-third mile away and with intervening clumps of trees which, coupled with additional tree planting and landscaping surrounding the drilling site, will further obscure all activities except the upper part of the derrick. The drilling site, in view of the topography and physical attributes thereof, constitutes the most favorable site within either of the oil drilling districts from which drilling operations could be conducted for all wells bottomed under both districts and with a minimum of inconvenience or objections to surrounding property or the community in general. In fact, said site is the one which was considered in connection with all of the proceedings which lead up to final adoption of the ordinances creating said oil drilling districts U-11 and U-12.

The subject controlled drilling site is, however, located on property classified in the R1 Zone near the principal entrance to the quality residential neighborhood known as Cheviot Hills and within approximately one-half mile of the Beverlywood and Cheviot Hills private home neighborhoods and the Rancho public golf course utilized by the general public. The property is also close to the intensively developed residential sections on both sides of the 20th Century Fox Studio, and all features of oil drilling and production must be strictly controlled to eliminate any possible odor, noise, hazards,

unsightliness or extensive truck traffic which might possibly affect these surrounding residential and public park and recreational facilities. It has been proven by experience and particularly with the drilling and production operations now being carried on on the adjoining 20th Century Fox Studio that all the normal objectionable features of oil drilling and production can be controlled so as to cause no detriment to surrounding property except the conspicuous feature of the oil drilling derrick which must remain on the property during the process of drilling the several wells permitted. To many people such a soundproof derrick is not objectionable during the temporary period it must remain on the property, but to others it appears to be a source of annoyance, essentially due to its conspicuous reminder of the otherwise obscure oil drilling activities and its non-compatibility with the residential quality of the surrounding neighborhood; hence, every reasonable endeavor should be made to eliminate the conspicuousness of the derrick.

It has been suggested by some individuals, including His Honor The Mayor, that a shorter derrick than that usually employed could be utilized and the drilling operations conducted in "deep excavations" so as to reduce the vertical height of the derrick and the portion which would be visible above the surrounding topography and landscaping screens. These possibilities have each been explored and discussed with experts in this field. It has been found possible to reduce the gross height of the so-called standard 136 ft. derrick recommended by the American Petroleum Institute by 25 ft. to a height of approximately 140 ft. instead of the gross height of approximately 165 ft. normally employed. For reasons expertly explained in detail in the report attached to the file of James M. Gregory, consulting mechanical engineer, and which have been verbally verified by Mr. Dean Sheldon, the Administrator is convinced that the so-called 90 ft. derrick used in shallower drilling operations would not be practical or advisable in contemplated deeper drilling operations on the subject property. This is particularly true since insistence upon use of such a shorter standard derrick would materially increase the time required in drilling operations and the time a derrick would have to be maintained on the property, greater hazards would be created for the workmen engaged in the drilling activities and escape of noise would be possible through the necessity of opening the door in the derrick at acute times to remove and lay down one string of pipe or casing, both of which can be stored in the standard 136 ft. derrick but not within the standard 90 ft. derrick. Also for reasons explained in said report of James M. Gregory, and confirmed by other oil drilling experts, including the City's consultant on such matters, the Administrator is convinced that requiring a deep excavation and that all the drilling operations to be conducted in such excavation would be impractical, hazardous, noisy and more permanently objectionable to the community than the temporary objection resulting from observance of the upper part of the derrick during such times as it is necessary to maintain the derrick for drilling operations on the site.

As heretofore explained, the only objectionable feature of oil drilling on a controlled drilling site, such as that here in question and which has not been satisfactorily controlled in previous similar

operations, is that of the conspicuous nature of the upper portion of the derrick. The Administrator believes that this objectionable factor can be largely eliminated by application of expertly designed camouflage, particularly in the instant case where, under the conditions, only the upper approximately 50 to 90 ft. of the derrick will be visible above the tree growth and could be treated in such manner as to make it appear from a distance to blend in with the tree planting and landscaping which surrounds the site, and conditions have been worked out to accomplish this objective. In view of all the above considerations, the conditions imposed are necessary and within the intent and purpose of Section 13.01-E and F of the Municipal Code to protect and preserve the surrounding area for continued residential occupancy and development in keeping with the zoning and to protect the general public and the community from any detrimental features of oil drilling. Furthermore, some of the conditions are necessary to protect the health and underground water supply of the community, as suggested by the Chief Engineer and General Manager of the Department of Water and Power.

Therefore, by virtue of authority contained in Section 13.01-E, F, and H of the Municipal Code, the Zoning Administrator hereby authorizes the use of that 1.14 acre portion of Lot D of the subdivision of the property of Jose D' Armas in the Rincon D' Los Bueyes, as more specifically described by metes and bounds in Exhibit "C" attached to the application, which is by reference made a part hereof and as depicted and designated "Drill Site U-11 and U-12" on the map marked Exhibit "A" attached to the application and located in the R1-O Zone approximately 500 ft. southerly of Pico Boulevard at the prolongation of Millgreen Drive, with address of 10000 Pico Boulevard, as a controlled drilling site on which to drill oil wells for the development of both urbanized oil drilling district No. U-11 constituting the 198-acre drilling district depicted and described on the map which is a part of Ordinance No. 109,733 and urbanized oil drilling district No. U-12 containing a 40-acre plus subdivided area as described on the map which is a part of Ordinance No. 109,734, both of which maps are by reference made a part hereof for a description of the districts under which the wells may be bottomed, and also authorizes the drilling, completion and maintenance on said controlled drilling site of not to exceed one oil well to be bottomed under each 5 acres contained in said urbanized oil drilling districts U-11 and U-12 and for the production from said well or wells, if successful, of oil, gas and other hydrocarbon substances and to maintain such equipment and accessories as are necessary in the drilling for and the production of oil, gas and other hydrocarbon substances, upon the following terms and conditions:

1. That all the conditions set forth in Section 13.01-E, 2, as restated in Ordinances 109,733 and 109,734, as well as Conditions Nos. 1, 3, 4, 5, 8, 9, 17, 18, 22, 33, 37, 40, 43, 47, 49, 54, 58, and 59 of Subsection F of Section 13.01 of the Municipal Code are included in and by reference made a part of this approval and shall be complied with to the same extent as if herein restated in detail.

2. That the portion of the drill site on which the derrick and drilling equipment for all oil wells to be drilled on the site are to be located, other than the transformers and electrical converting equipment, shall be graded down to an elevation which is in no event higher than the 210 ft. contour as shown on Drainage Map No. 519 on file in the City Engineer's Office, and in no event shall the base of any derrick used in the drilling operations project above the 210 ft. contour as shown on said drainage map. Furthermore, (that the derrick utilized for drilling operations shall in no event exceed in height the standard so-called 136 ft. derrick of the American Petroleum Institute nor shall the over-all gross height of said derrick and acoustical quilt covering the same exceed a height of 140 ft. above the 210 ft. contour referred to above.) It is understood that the standard 136 ft. derrick used in this operation shall be shortened by redesigning to meet the height limitation specified above and shall not employ the usual "gin pole house" extending above the crown block and upper platform. Tanks and other equipment and buildings used in drilling and production activities shall be located in the ravine area on or adjacent to the graded portion of the drill site specified above, with no portion of said tanks, equipment or buildings, other than the upper portion of the derrick and any future portable drilling mast used for servicing activities, extending above the 250 ft. contour as shown on said Drainage Map No. 519.
3. That in addition to soundproofing the derrick and other structures as required by Condition No. 47 of said Section 13.01-F, soundproofing shall also be provided for the electrical distribution center and control house containing automatic electric switches and for the engine and mud pumps; and that the manner in which the soundproofing is to be accomplished, including a plot plan specifying location of involved buildings or structures and tanks, landscaping of premises, location and type of surfacing on access driveways and other details for the development of the site, shall be submitted to and approved by the Zoning Administrator prior to the issuance of the drilling permit for each of the proposed wells; said soundproofing material as required above to be of a fire resistive type approved by the Los Angeles Fire Department.
4. That as part of the landscaping treatment required by Subsection (f) of Section 13.01-E, 2 of the Municipal Code, tall trees at least 50 ft. in height at the time of transplanting, such as Washingtonia palms or Canary Island pines, shall be planted around the borders of the drilling site at the highest ground level possible and placed in such positions with relation to the existing tall eucalyptus trees now occupying portions of the adjoining property as to effectively screen out and eliminate the conspicuousness of the lower half of the

derrick from adjacent residential districts. The Administrator reserves the right after approving plans for the landscape treatment to specify the transplanting of additional trees if, after the derrick has been erected, observation indicates that such additional trees would assist in accomplishing the screening effect desired.

5. That the applicants and operators of the drilling operations herein authorized shall employ the services of a recognized expert in camouflage to design a treatment for the upper portions of the soundproofed derrick which will extend above the existing trees or trees to be planted around the edge of the drilling site and which treatment by painting or other devices on the derrick cover will make the upper portion of the derrick, as seen from adjacent residential districts, appear to be part of the tree planting surrounding the drilling site. The designs of such camouflage treatment shall be submitted to the Administrator for approval with plans for soundproofing the derrick, and thereafter the upper portions of the derrick shall be treated and maintained in the manner suggested and approved, all of which shall be designed to eliminate as far as practical the conspicuousness of the derrick from the adjacent residential areas.
6. The drilling of the wells shall be conducted in accordance with good oil field practice and the latest techniques and refinements in equipment and materials shall be used.
7. The latest and most effective blow-out prevention equipment shall be installed and maintained in connection with the drilling of any well.
8. That as a further amplification of Condition No. 49 of Section 13.01-F of the Municipal Code, except for actual drilling and production operations, no work shall be conducted on the property between the hours of 6 p.m. of one day and 8 a.m. of the following day or on Sundays.
9. That even though drilling and production operations are herein authorized on the subject controlled drilling site under both oil drilling districts U-11 and U-12 (see companion Case No. 14423 involving bottom hole location under district U-12), in no event shall drilling operations be carried on or conducted on said drill site in connection with more than one well at a time. Furthermore, that prior to the approval or issuance of Fire Department permits for each well to be drilled upon the subject site, there shall be supplied to the Zoning Administrator a map showing the general direction and general bottom hole location of said proposed well and particularly whether to be bottomed under oil drilling district No. U-11 or under oil drilling district No. U-12 so that proper records can be kept as to the number of wells bottomed and completed under each of said districts in compliance with the terms of this grant and the provisions

of Paragraph (c), Section 13.01-E, 2 of the Municipal Code. Furthermore, the applicant or operators of the oil drilling activities herein authorized, upon request by the Zoning Administrator, shall furnish such additional information concerning the status, exact bottom hole location, productivity, etc., of the various wells drilled from the property, as to enable the Administrator to properly and intelligently administer the oil drilling regulations in this area; said information to be either verbal or in writing and to be kept confidential by the Administrator if so desired by the applicant.

10. A parking area shall be provided either inside the actual drilling site or immediately adjacent thereto on the existing parking lot for the Hillcrest Country Club for use by automobiles of employees and other vehicles employed in the drilling and maintenance of the oil wells on the property. The driveway providing the principal means of access to the controlled drilling site shall enter the property from one of the existing gates or suitable replacements thereof on the Pico Boulevard frontage of the Country Club property and that said driveway, together with any other driveways necessary on the drilling site, as well as the required employee parking area, shall be paved with rock and oil or asphaltic paving materials suitable to withstand heavy trucking operations. Furthermore, that all such driveways and parking areas shall be regularly washed down, swept or otherwise kept free of accumulated cement, dust or other materials which would produce dust in the use of said facilities.
11. That if any of the wells hereby authorized are successful and are to be maintained as producing wells and are required to be pumped, then said wells shall be equipped with Kobe or comparable producing units which shall be placed in pits or cellars below the surface of the ground so that no visible pumping units will be above the ground adjacent to the surface location of the wells and that wells shall be serviced with only portable type equipment. Furthermore, that the triplex pump units necessary to operate the Kobe or comparable oil well pumping units, as well as the compressors for compressing the gas to meet pipeline specifications, shall be housed in substantial buildings which have been acoustically treated so as to be substantially soundproofed.
12. That all oil and gas produced from the wells on the property shall be transported from the drilling site only by means of underground pipeline connected, if at all practical, directly with the producing pump without venting products to the atmospheric pressure at the production site and in no event shall there be any storage or treatment facilities on the property other than necessary to conform production to pipeline requirements. In no event shall more than three-day storage or two 1,000-barrel tanks, whichever

- is greater, be created or maintained on the property. Furthermore, that said production tanks shall be so placed and located with respect to embankments created by grading the property or enclosing fixtures surrounding the site as to not be visible to persons on adjacent public streets or from adjacent residential property having approximately the same ground level elevation as the average ground level surrounding the drilling site.
13. That in view of the pending civil action under Superior Court Case No. 685475 seeking an injunction to prevent drilling for oil on the subject property which may possibly cause a desire of the applicant to delay the start of drilling operations until a judgment has been entered in said civil action, the Zoning Administrator hereby extends the period within which drilling operations must start as set forth in Condition No. 33 of Section 13.01-F of the Municipal Code; said extended period to be 60 days from the date of final judgment in said court case. As a further qualification and refinement of Condition No. 33 of said Section 13.01-F, it shall be understood that, in order to be considered a producing well, the well shall produce oil, gas or other hydrocarbon substances to a total value of at least twenty-five dollars (\$25.00) per day.
 14. That the drilling site shall be properly fenced and enclosed and the outer area of the drilling site adjacent thereto shall be adequately planted and maintained in a manner compatible with adjacent surface uses of the Hillcrest Country Club and so as to effectively screen all operations except the upper portion of the soundproof derrick from any adjacent public streets or residential areas. Furthermore, all tools, pipe and other equipment in connection with the drilling and production activities shall be stored and kept on the drilling site within the fenced and landscaped enclosure.
 15. That in no event shall there be any development or production of oil from either oil drilling districts No. U-11 or U-12 from or above the producing horizon in the Beverly Oil Field, as determined by production from said field on the second day of June 1953.
 16. After completing the first test well, the bores of additional wells within the drilling site shall be projected directionally under both oil drilling districts U-11 and U-12 so that a complete and adequate test of the location, extent, character, density and productivity of any deeper producing oil zones below the Beverly Oil Field referred to above in No. 15 may be had from the single drill site area. Said additional wells shall be drilled with due diligence so as to complete the total number of wells herein authorized to be bottomed under both said districts U-11 and U-12 within the shortest possible time, utilizing only one oil drilling derrick for said operations. It is understood that there
- 11

- need not be drilled one well for each 5 acres as authorized, if the applicant lessee determines a fewer number would adequately drain the producing zones encountered. Furthermore, that upon completion of each well, the derrick shall be removed or moved to the site for a new well on the drilling site and work started towards drilling said new well within the 30-day period referred to in Condition No. 4, Section 13.01-F, to the end that the derrick and drilling operations will be removed and discontinued on the site in the shortest period of time possible.
17. That any owner, lessee or permittee and their successors and assigns, as well as the concern which is to actually do the drilling work, if different than the above, must at all times be insured to the extent of \$1,000,000 against liability in tort and public liability and property damage arising from drilling or production, or activities or operations incident thereto, conducted or carried on under or by virtue of the conditions prescribed for this district and by written determination by the Administrator as provided in Subsection H of Section 13.01 of the Los Angeles Municipal Code. The policy of insurance issued pursuant hereto shall be subject to the approval of the City Attorney and duplicates shall be furnished to him. Each such policy shall be conditioned or endorsed to cover such agents, lessees, or representatives of the owner, lessee or permittee as may actually conduct drilling, production or incidental operations permitted by such written determination by the Administrator. A certificate of insurance to the above effect, giving the name of the insurance carrier and its address and a sworn statement that such insurance will be maintained in full force and effect, shall be furnished the Zoning Administrator before any permits are issued.
 18. That the surety bond in the sum of \$5,000 required by Condition No. 3 of the above-mentioned Subsection F and Condition (g) under Section 13.01-E, 2 of the Municipal Code shall be approved by the City Attorney, executed by both the applicant and any lessee who is to do the actual oil drilling and filed with the Zoning Administrator before any permit is issued.
 19. The operator, after drilling each well to a depth of approximately 2,000 feet, shall take an electric log of the well to that depth, analyze the log and provide the Department of Water and Power of the City of Los Angeles with a copy of said log, together with its interpretation, showing aquifers and an estimate of the salinity of all waters encountered. From the information so obtained, a joint determination shall be made of the required depth at which the surface casing shall be cemented. Sufficient cement shall be used to reach the ground surface behind the surface casing. On completion of the drilling program, another log shall be taken and analyzed and, if necessary, additional steps shall be taken to prevent the vertical movement of brine
- 102

into fresh water zones. In the event no commercial production of oil is obtained, cement plugs shall be used to protect all fresh water in abandonment of the well. A conference between the operator and officials of the Department of Water and Power shall determine the location and extent of the plugs required. Provided, however, that the Department of Water and Power may waive the requirement for a log on each well, if sufficient sub-surface data is obtained from previous logs to permit it to carry out the purpose of this condition.

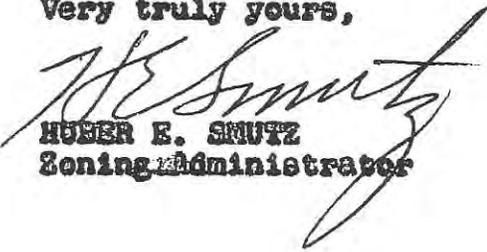
20. That the public water supply system on the property shall be protected against backflow where necessary in a manner acceptable to the Department of Health and meeting the requirements of the Uniform Plumbing Code. Furthermore, representatives of the Health Department may enter upon the premises at any reasonable time for routine investigation of operations. Any necessary changes that may be ordered in operations and/or facilities shall be made within a reasonable time as determined by the Investigator.
21. That the drilling site and approaches thereto shall at all times be kept in a clean, neat appearing condition free from weeds and debris, other than necessary and incidental drilling equipment and supplies and shall be effectively landscaped and maintained as required under various applicable conditions heretofore mentioned and in compliance with plans approved by the Zoning Administrator. Furthermore, that upon completion of the drilling operations, all equipment and supplies, except that actually necessary in production work and as specified on plans for the installation of the various production facilities and devices, shall be removed from the property so that, as far as practicable, there be no evidence above the ground of the presence of the oil producing facilities in the pits and cellars heretofore specified.
22. That the Zoning Administrator reserves the right to impose additional conditions or require corrective measures to be taken if he finds after actual observation or experience with drilling one or more of the wells that additional conditions are necessary to afford greater protection to surrounding residential property as intended by the provisions of Section 13.01 of the Municipal Code, as well as the conditions set forth in Ordinances Nos. 109,733 and 109,734.
23. That the special limitations for the benefit of adjacent owners, as set forth in Subparagraph (4), Paragraph (b), Section 13.01-G, 2 of the Municipal Code, as added by Ordinance No. 101,763 and which applies to oil drilling district No. U-2 across Pico Boulevard to the north, are by reference included in this determination as if herein set forth in detail, except that where reference is made to "Oil Drilling District No. U-2", the words "Oil Drilling

October 2, 1957

District No. U-11⁰ shall be substituted. In other words, if after completion of any well bottomed under oil drilling districts U-11 and U-12, establishes that the producing area of the Beverly Oil Field extends southerly or easterly of said districts U-11 and U-12, all provisions of Subparagraph (4) shall apply as if said provisions specifically referred to oil drilling districts U-11 and U-12, instead of to oil drilling district No. U-2, except that it is understood the referred to surface locations for future drilling shall be within oil drilling District No. U-11, and the agreement required to be filed with the City Clerk shall be ratified by the owners of the land in said oil drilling district No. U-11.

The applicant's attention is called to the fact that this determination is not a permit or license, and that any permits and licenses required by law must be obtained from the proper public agency. Furthermore, that if any condition of this grant is violated, or if the same be not complied with in every respect, then the applicant or his successors in interest may be prosecuted for violating these conditions the same as for any violation of the requirements contained in the Municipal Code. If this property is subleased or assigned to another oil company for drilling or production purposes, it is incumbent upon the applicant to notify said sublessee or assignee of the terms and conditions described above and that the sublessee or assignee must assume all said conditions to the satisfaction of the Administrator. The Zoning Administrator's determination in this matter will become effective after an elapsed period of ten (10) days from the date of this communication, unless an appeal therefrom is filed with the Board of Zoning Appeals.

Very truly yours,


HUBER E. SMUTZ
Zoning Administrator

HES:fn

cc: Bernard C. Brennan
Hal Hughes
Mayor Norris Poulson
Attn: Wm. McCann
Department of Health
Department of Water and Power
State Regional Water Pollution Control Board No. 4

OFFICE OF ZONING ADMINISTRATION
200 N. SPRING STREET, ROOM 763
LOS ANGELES, CA 90012-4801
(213) 978-1318

ESTINEH MAILIAN
CHIEF ZONING ADMINISTRATOR

ASSOCIATE ZONING ADMINISTRATORS

JACK CHIANG
HENRY CHU
JONATHAN A. HERSHEY, AICP
THEODORE L. IRVING, AICP
CHARLES J. RAUSCH JR.
CHRISTINA TOY LEE

CITY OF LOS ANGELES
CALIFORNIA



ERIC GARCETTI
MAYOR

LOS ANGELES DEPARTMENT
OF CITY PLANNING
EXECUTIVE OFFICES

VINCENT P. BERTONI, AICP
DIRECTOR

SHANA M.M. BONSTIN
DEPUTY DIRECTOR

ARTHI L. VARMA, AICP
DEPUTY DIRECTOR

LISA M. WEBBER, AICP
DEPUTY DIRECTOR

planning.lacity.org

April 21, 2021

Louis P. Zylstra, Jr. P.E. (Op)
Hillcrest Beverly Oil Corporation
10000 West Pico Boulevard
Los Angeles, CA 90067

CASE NO. ZA-1957-14422-O-PA2

LETTER OF COMMUNICATION

10000 West Pico Boulevard
West Los Angeles Community Plan

Zone: A1-1XL-O

C.D.: 5 - Koretz

D.M.: 129B161 & 129B165

Legal Description: Portion of Lot D, Rincon
De Los Bueyes Showing in Subdivision of
the Property of Jose de Arnaz

Mr. Zylstra,

The Department of City Planning is contacting Hillcrest Beverly Oil Corporation (HBOC) concerning the oil drill site operation at 10000 West Pico Boulevard. The facility is commonly known as the Hillcrest Country Club Drill Site (Drill Site). After reviewing state records of drilling operations, it appears there may have been work conducted without Department of City Planning review as outlined in the Los Angeles Municipal Code Section 13.01.

Background

The (Drill Site) has been in operation since 1958 and is located in Urbanized Oil District U-11 as established by Ordinance No. 109,733. The subject controlled drill site is located on a leased 1.14 acre portion of the Hillcrest Country Club. The Drill Site has had numerous operators since its inception and it is currently operated by HBOC. Information from the California Geologic Energy Management Division (CalGEM) shows that the Drill Site is located within the Cheviot Hills Oil Field in the state's Southern District jurisdiction. CalGEM records also indicate that there are 32 wells on-site: 17 wells are idle, 9 are active, and 6 are plugged.

The Zoning Administrator has granted approvals for the Drill Site through the Plan Approval review process. The most recent determination, ZA 14422(PA2), was made on November 16, 2005 when the Zoning Administrator approved scopes of work involving drilling four new wells and re-drilling of two existing wells at the Drill Site. There have been no requests from

HBOC for new scopes of work since this last determination, and the Zoning Administrator has not taken any recent actions.

Drill Site Issues

The Department of City Planning (DCP) has reviewed CalGEM records and found that the operator has conducted several operations at the Drill Site since November 2005 that did not receive a Zoning Administrator’s review nor received approval from the Zoning Administrator. CalGEM approved scopes of work involving rework on wells and sidetracking projects. Records confirm that HBOC was the applicant for these activities. Below is a chart indicating the American Petroleum Institute(API) number, description of work, CalGEM’s approval date, and CalGEM’s permit number. The issued permits are enclosed with this letter as one attachment.

API No.	Scope of Work	Approved Date	Permit No.
03717983	Sidetracking	6/21/2019	7009512
03717984	Sidetracking	11/22/2019	7012445
03717576	Sidetracking	12/13/2019	7012832

There are also two wells, identified below, that were converted from idle wells to active wells in recent years per CalGEM’s WellSTAR Portal. DCP staff has requested copies of the permit documents from CalGEM.

API No.	Scope of Work	Approved Date
03700109	Conversion of well status from idle to active	6/8/2019
03717984	Conversion of well status from idle to active	11/15/2019

Future Direction

The oil drilling activities identified above qualify as projects per the Los Angeles Municipal Code (LAMC) sections 13.01-H:

“Any person desiring to drill, deepen, or maintain an oil well in an oil drilling district that has been established by ordinance...shall file an application in the Department of City Planning on a form provided by the Department, requesting a determination of the conditions under which the operations may be conducted.”

Sidetracking does qualify as well maintenance and/or deepening of a well. Rework projects on an existing well that changes the status from idle to active does qualify as well maintenance. Per LAMC Section 13.01-I, operators must receive approval from the Zoning Administrator, when they:

"... drill, deepen or maintain an oil well or convert an oil well from one class to the other and no permits shall be issued for that use, until a determination has been made by the Zoning Administrator or Area Planning Commission pursuant to the procedure prescribed in Subsection H of this section."

Both LAMC Section 13.01 and ZA 14422(PA2) reserves to the Zoning Administrator the authority to review and determine drilling activities at the property, including assigning environmental clearance to any proposed projects. Please find attached Zoning Administrator's Memorandum No. 133 that identifies the procedure to submit an application for drilling, deepening, or well maintenance.

With regard to the five scopes of work, outlined above, conducted at the Drill Site, the Office of Zoning Administration requests to know more information. The operator shall provide the following:

1. An explanation of why these activities took place and the function it provided for the Drill Site's overall operations.
2. A description of plans to convert Well API Nos. 03717983, 03717984, and 03717576, which received a permit for sidetracking. Will these wells be converted to an injector/producing well in the next 12 months?

Our department anticipates an initial response from your team within 30 calendar days of the date of this correspondence. You may contact Edber Macedo with the Office of Zoning Administration at edber.macedo@lacity.org or at 213-978-1198.



ESTINEH MAILIAN
Chief Zoning Administrator

EM:VS:ecm

cc: Councilmember Paul Koretz, Fifth District
Erica Blyther, Office of Petroleum and Natural Gas Administration
Chief Anthony Hardaway, Los Angeles Fire Department
Royce Long, Los Angeles Fire Department
Catherine Nuezca Gaba - Code Enforcement Bureau, Department of Building and Safety

Jennifer Tobkin, Office of the City Attorney

Attachments:

Case No. ZA 14422(PA2)

Zoning Administrator's Memorandum No. 133



NOTICE OF VIOLATION

12/01/2021

Violation ID: 12241049

VIA EMAIL ONLY

Mr. Louis Zylstra, Agent
Hillcrest Beverly Oil Corp. (H4325)
18471 Mt. Langley Street, Suite P
Fountain Valley, CA 92708
lzylstra@ebresources.com

Dear Mr. Zylstra:

FAILURE TO PROVIDE REQUIRED PROJECT DATA, UNDERGROUND INJECTION CONTROL PROJECT NUMBER 054-06-003, HAUSER AND OGDEN ZONES, BEVERLY HILLS, WATER DISPOSAL PROJECT

On November 08, 2021, the California Geologic Energy Management Division (CalGEM) issued a letter requesting that Hillcrest Beverly Oil Corp submit data for underground injection control (UIC) project 054-06-003. Hillcrest Beverly Oil Corp was instructed to submit the UIC project data by November 19, 2021. The project data was not submitted by the November 19, 2021 deadline and the operator made no attempt to contact CalGEM regarding their plans for coming into compliance with their project by the deadline.

California Code of Regulations, title 14 (CCR) section 1724.7(a) states:

“An underground injection project shall be supported by data filed with the Division that demonstrates to the Division’s satisfaction that injected fluid will be confined to the approved injection zone and that the underground injection project will not cause damage to life, health, property, or natural resources. The engineering study, geologic study, and injection plan described in subdivisions (a)(1) through (a)(3) shall demonstrate to the Division’s satisfaction that injected fluid will not migrate out of the approved injection zone through another well, geologic structure, fault, fracture, fissure, hole in the casing, or other pathway, considering project duration, volume of fluid to be injected, and other relevant factors. The operator is responsible for ensuring that the data are current and accurately reflect the project setting and operation throughout the operating life of the project.”

Hillcrest Beverly Oil Corp. is in violation of the above-referenced CCR section for its failure to provide UIC project data that:



- Is current and accurately reflects the project setting and operations.
- Demonstrates the injected fluid is confined to the approved injection zone.
- Demonstrates the underground injection project does not cause damage to life, health, property, or natural resources.

Please submit the required project data to CalGEM in digital format (Adobe Acrobat) by **December 15** (within 10 business days).

Additional data needed from Water Board for this project review include as follows:

1. Water Boards MOA Checklist item W-CP(1): Provide a signed statement by a state-registered professional geologist or professional engineer that injected Class II fluids have not (for ongoing projects) and will not (for any project) migrate beyond the boundaries of the exempt aquifer or into an underground source of drinking water (USDW).
2. Water Boards MOA Checklist item W-CP (1): The cover page did include sign and stamps from a California-licensed professional engineer (PE) and a California-licensed professional geologist (James (Jimmy) Schloss (PG)). Mr. Schloss also uses the PE abbreviation which may imply he is state-licensed. Business and Professions Code §6704 and §6732 states it's unlawful to use the title and/or abbreviation unless that person is licensed by the state. If any person is not a California-licensed professional engineer, but is licensed in another state, there needs to be an indication of such or remove the abbreviation.
3. Water Boards MOA Checklist item W-ES (3): UIC well (potentially API 0403730576) in Operators Figure ES.3, Hillcrest AOR Water Well Search borders the AOR of OC-2 Describe how the pressure impacts from well API 0403730576 would affect the AOR of OC-2, if any.
4. To enable a more efficient review, please submit the application as a single pdf document on WellSTAR, if possible.
5. To better understand that the project operated as originally designed, that is, that injected Class II fluids have not migrated beyond the boundaries of the exempt aquifer in the past, it necessary to review historic compliance (i.e past Notice of Violations (if any) and how they had been resolved), mechanical integrity test (MIT) history, and other well mechanical changes that may have led to injected fluids being released outside of the exempted aquifer. Staff review of WellSTAR test results for well OC-2 were sometimes noted as 'inconclusive' or 'waived' and limited MIT result documents were available. Please provide MIT results and provide explanations for tests that were waived or inconclusive.



Failure to comply with California statutes and regulations may result in enforcement action including, but not limited to, issuance of a civil penalty and/or order rescinding the project approval pursuant to Public Resources Code Sections 3106, 3224, 3235 and 3236.5.

If CalGEM does not receive the data by **December 15, 2021** then further action will commence.

If you have any questions or concerns regarding this request, please contact Ernest Mbia at (562) 637-4400 or ernest.mbia@conservation.ca.gov

Sincerely,

Ernest Mbia Digitally signed
by Ernest Mbia
Date: 2021.12.01
12:14:40 -08'00'

Ernest Mbia
Senior Oil and Gas Engineer (Supervisor)
Geologic Energy Management Division (Southern District)

cc: Baldev Gill, Southern District Deputy
Project File 054-06-003

Communication from Public

Name: Robert Keehn
Date Submitted: 03/08/2023 05:07 PM
Council File No: 21-1025
Comments for Public Posting: Please see attached letter regarding this matter from Cheviot Hills Home Owners' Association

Cheviot Hills Home Owners' Association

P.O. Box 64458, Los Angeles, CA 90064 www.cheviot hills.org

March 8, 2023

Via Council File System

Los Angeles City Council
200 N. Spring Street
Los Angeles, CA 90012

Re: CF 21-1025
West Pico Drill Site, 9101 & 9151 W. Pico Boulevard, Los Angeles, CA 90035
Appeal by Neighbors for a Safe Environment (NASE)

To the Los Angeles City Council:

The Cheviot Hills Home Owners' Association represents some 1400 households situated less than one mile from the West Pico Drill Site. Our community is also immediately adjacent to the Rancho Park and Hillcrest Drill Sites, so our community has more Controlled Drill Sites concentrated in our vicinity than any other part of Los Angeles.

Our Association submitted a letter to City Council on October 25, 2021, calling upon the City Council to grant the appeal by Neighbors for a Safe Environment (NASE) and thereby overturn the unconscionable and erroneous Categorical Exemption from environmental review in the West Pico Drill Site case. Dangerous things have transpired since then, proving that oil operations in the City are out of control due to the City's failure to police those operations and enforce City Code. The failure to act at West Pico serves only to foster this dangerous chaos. Regulations and prohibitions without enforcement are tantamount to having no regulations and prohibitions at all.

On December 11, 2021 an underground pipeline leak of unknown prior duration emanated on the surface as a spill. CalGEM's Notice of Violation and accompanying investigation showed that the leak was caused by illegal pipeline work conducted in 2001 that violated City regulations. The Water Board-supervised cleanup is likely to continue for several years. Full documentation is in the Council File for the appeal case.

In the Fall of 2022, eight new projects on oil wells were initiated at the West Pico, Hillcrest, and Rancho Park Drill Sites – all contrary to City Code because there were no applications to the ZA, no ZA approvals, and no CEQA clearances of any kind for these projects. Full documentation has been sent to CD5 and from there to the ZA. NASE will upload it to the Council File for the appeal case.

March 8, 2023
Los Angeles City Council
CF 21-1025

From 2013 through 2021, ten “maintenance acidization” projects were executed on wells at West Pico – all contrary to City Code because there were no applications to the ZA, no ZA approvals, and no CEQA clearances of any kind for these projects. Two of these projects were executed in October 2021, while NASE’s appeal was pending at City Council. One was executed on July 28, 2020, in between the two ZA public hearings for the PA2 review underlying the Categorical Exemption being appealed. Full documentation has been sent to CD5 and from there to the ZA. NASE will upload it to the Council File for the appeal case.

The West Pico Drill Site is one mile from the border of our HOA. The Hillcrest and Rancho Park Drills Sites are immediately adjacent to us. In October 2021, we wrote:

If allowed to stand, the Categorical Exemption and the associated ZA ruling and Area Planning Commission ruling will signal to all oil companies operating in the City that they need not obey City laws and that the City will assist them in evading the State’s CEQA law.

Little did we know in October 2021 that oil companies were *already* acting on that signal; they continue to do so even more brazenly. City Council cannot allow that to stand. Granting NASE’s appeal in the West Pico case is the first step in turning this around.

Sincerely,

Bob Keehn, President

On Behalf of the Board of Directors, Cheviot Hills Home Owners’ Association

cc: Ms. Katy Yaroslavsky, Council Member for CD5
Mr. Gary Gero, CD5 Chief of Staff