U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

03/24/2023

Well Name: OMLER

Well Location: T28N / R10W / SEC 36 / NWNE / 36.623306 / -107.84314

County or Parish/State: SAN JUAN / NM

Well Number: 4

Type of Well: OTHER

Allottee or Tribe Name:

Lease Number: NMSF077085

Unit or CA Name:

Unit or CA Number:

US Well Number: 3004507080

Well Status: Producing Gas Well

Operator: HILCORP ENERGY COMPANY

Notice of Intent

Sundry ID: 2720499

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 03/13/2023

Time Sundry Submitted: 01:19

Date proposed operation will begin: 03/27/2023

Procedure Description: Hilcorp Energy Company requests permission to P&A the subject well per the attached procedures, current and proposed wellbore schematics. The Pre-Disturbance Site Visit was held on 3/7/2023 with Roger Herrera/BLM. The Re-Vegetation Plan is attached. A closed loop system will be used.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

OMLER_4_Reclamation_Plan_20230313131834.pdf

Omler_4_P_A_Procedure_20230313131703.pdf

Accepted for record – NMOCD

JRH 4/4/23

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Operator: HILCORP ENERGY COMPANY

Conditions of Approval

Additional

28N10W36BKpc_Omler_004_20230323152518.pdf

Authorized

General_Requirement_PxA_20230323181058.pdf

2720499_NOIA_4_3004507080_KR_03232023_20230323181030.pdf

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: KANDIS ROLAND

Signed on: MAR 13, 2023 01:18 PM

Name: HILCORP ENERGY COMPANY

Title: Operation Regulatory Tech

Street Address: 382 Road 3100

City: Farmington **State:** NM

Phone: (505) 599-3400

Email address: kroland@hilcorp.com

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647742

BLM POC Email Address: krennick@blm.gov

Disposition: Approved

Disposition Date: 03/23/2023

Signature: Kenneth Rennick

Hilcorp Energy Company

Proposed P&A Procedure

Well: Omler #4

API: 30-045-07080

Date: 3/13/2023

Engr: M Wissing

Surface: BLM

Wellbore		Wt #	ID	Bottom (ft)	Bbl/ft	Drill Bit
SPUD	11/14/1954					
KB (ft)	10 ft					
PBTD	2,088 ft					
Surface Casing	9-5/8"	32.3#	9.0	99'	0.07865	13-1/4"
Int Csg Annular	9.0" x 5.5"	-	-	-	0.04930	
Inter. Casing	5-1/2"	15.5# & 14#	5.01	2,001'	0.02437	7-7/8"
Int Csg x Open hole	7-7/8" x 5.5"				0.03090	
Production Casing	2-7/8"	6.5#	2.44	2,098'	0.00578	6-1/4"
Prod Csg x Int Csg	2-7/8" x 5.01"				0.0164	
Tubing	none					
Hollow Rod String	1.315" x 1.049"	58 rods	4 SBs	2,063'		

Cement

Type	Class G	
Yield	1.15	Bbl/sx
Water	5	Gal/sx
Cmt Weight	15.8	PPG
Total Job Cmt	131	SX
Total Cmt Water	655	Gal
Csg Vol Water	11.3	Bbl

SICP/ SIIP: 48 psi /0 psi

Historic Braden Head Pressure: 0 psi (5/20/21 test)

Slickline: N/A

CBL Logs: 9/1992 of 5-1/2" csg during csg repair work

Hilcorp Energy Company

Proposed P&A Procedure

Rig History:

- ***(9/1992) Found a hole in the 5-1/2" csg at 680'. Ran a CBL log on 5.5" csg. Cut 5-1/2" csg at 700'. Installed new 5-1/2" Csg patch from surface to 700' w/ 16 jts 15.5# pipe.***
- ***(4/2004) Deepened wellbore and set 2-7/8" csg. Cmt circ to surface on 2-7/8" x 5-1/2" csg.***
- ***(6/2008) Added 2-7/8" perfs (historic perfs were on 5-1/2" csg) at 1,870'-1,994' and performed acid frac job. Work string plugged up on initial acid attempt and re-pumped acid frac.***
- ***(3/2014) Last rig work, installed hollow rods and insert pump inside 2-7/8" csg. Left part of last tbg string BHA in hole, tagging at 2,067'***

P&A Cement: All cement plugs include a 50 ft excess volume. Due to SJ Basin cement resource limitations, either Type III (6.64 gal/sx, 1.37 yld, 14.8#) or Type 2/5 (6.041 gal/sx, 1.27 yld, 15#) cement might be used at any point during the P&A project.

RIG P&A PROCEDURE:

1) Verify all wellhead valves are operatable and location is accessible for P&A rig.
2) Move onto well location. Check well pressures on all casing strings and record (daily). Check well for H_2S and blow down well as necessary.
3) Release insert pump and TOOH with HV rods and insert pump.
    a. *Verify required handling tools for the rods*
4) RD wellhead and RU BOPs. Function test BOP 1-1/4" pipe and blind rams.
5) RU E-line and MU 2-7/8" GR. RIH and clear csg down to 1,835'.
    a. *Top perf at 1,870'*
6) MU 2-7/8" CIBP and RIH. Set at **1,825'**.
7) Load casing with water and pressure test csg to 550 psi to verify integrity.
8) RIH with 1-1/4" work string to CIBP.
9) **PLUG #1 (PC TOP @ 1,996'; PC top perf @ 1,996', FRC TOP @ 1,685', FRC top perf @ 1,870')**
    a. Pump a 240' cement balanced plug from 1,585'- 1,825' with 7 SXS, 1.4 BBLS of Class G, 1.15 yld, 15.8# cement inside the 2-7/8" csg.
10) TOOH with tbg.
11) MU perforating gun. RIH and perf through 2-7/8" & 5-1/2" csgs at **1,163'**.
12) RIH with 1-1/4" work string.
13) **PLUG #2 (OJO TOP @ 995', KIRTLAND TOP @ 1,113')**
    a. Install a 2-7/8" CICR for cement plug at 1,113' if needed.
    b. Pump a 268' cement plug from 895'- 1,163' with 74 SXS, 15.1 BBLS of Class G, 1.15 yld, 15.8# cement inside the 2-7/8" csg and in OH of 5-1/2" csg.
14) TOOH with tbg.
15) WOC and tag TOC if required.
16) RU E-line and perforate the 2-7/8" & 5-1/2" csgs at **149'**. Attempt circulation rate with perfs to surface.

Hilcorp Energy Company

Proposed P&A Procedure

17) **PLUG #3 (CSG SHOE @ 99')**
    a. Circulate a 139' cement plug from 10'-149' with 38 SXS, 7.8 BBLS of Class G, 1.15 yld, 15.8# cement inside the 2-7/8" csg and 9-5/8" x 5-1/2" csg annulus.
18) N/D BOPE.
19) Cut off wellhead.
20) Check marker joint for correct well information and weld on P&A well marker.
21) Top off all casing strings and whd cellar with 12+/- sx of cement.
22) Release rig.

Hilcorp Energy Company

Proposed P&A Procedure

Hilcorp Energy Company

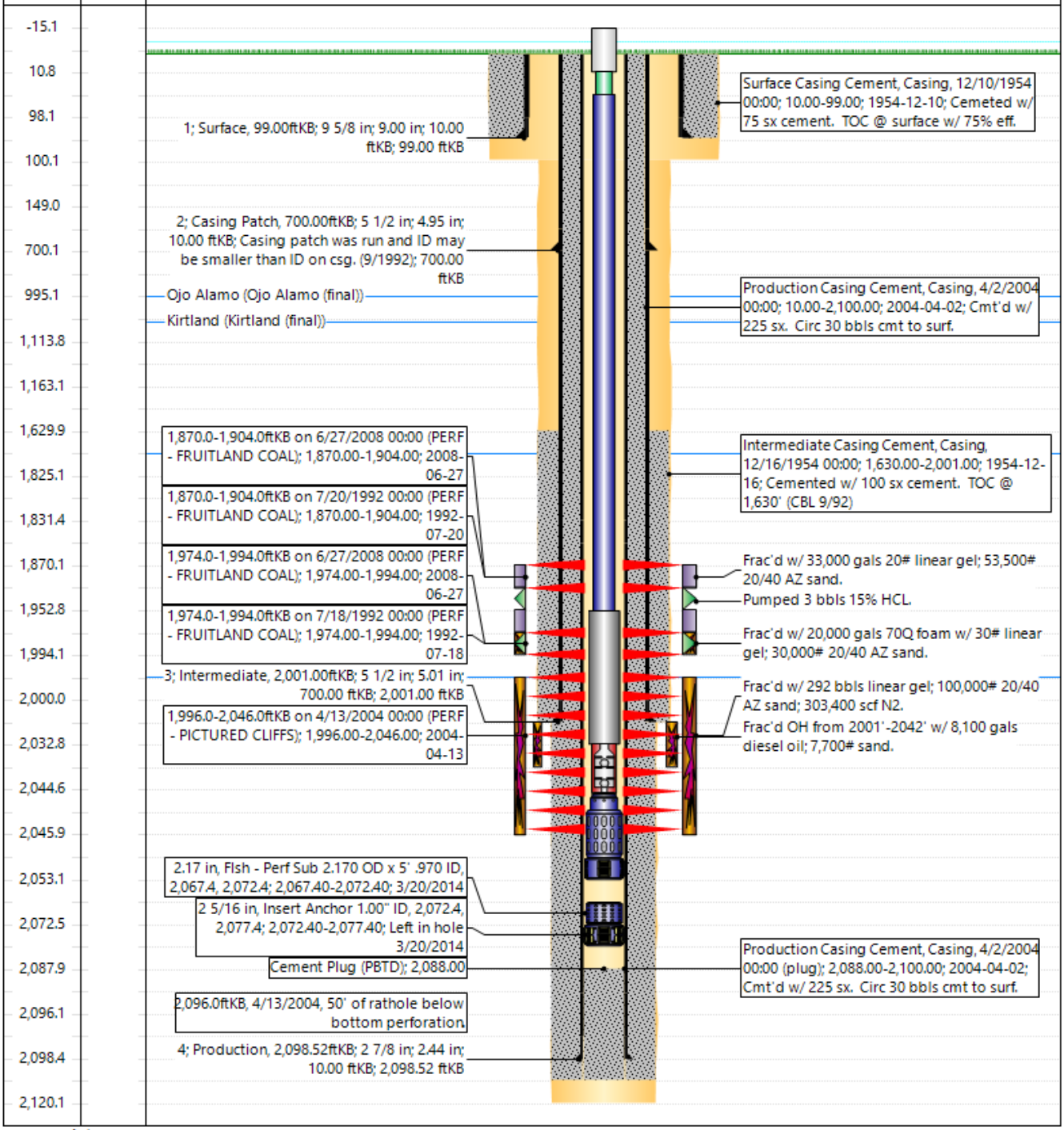
Current Schematic - Completion Comments

Well Name: OMLER #4

API / UWI	Surface Legal Location	Field Name	Route	State/Province	Well Configuration Type
3004507080	036-028N-010W-B	BSN (FTLD COAL) #3046	0808	NEW MEXICO	

Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)
5,949.00	5,959.00	10.00		

Original Hole



www.peloton.com Page 1/1 Report Printed: 3/13/2023

Hilcorp Energy Company

Proposed P&A Procedure

Hilcorp Energy Company

P&A Proposed Schematic

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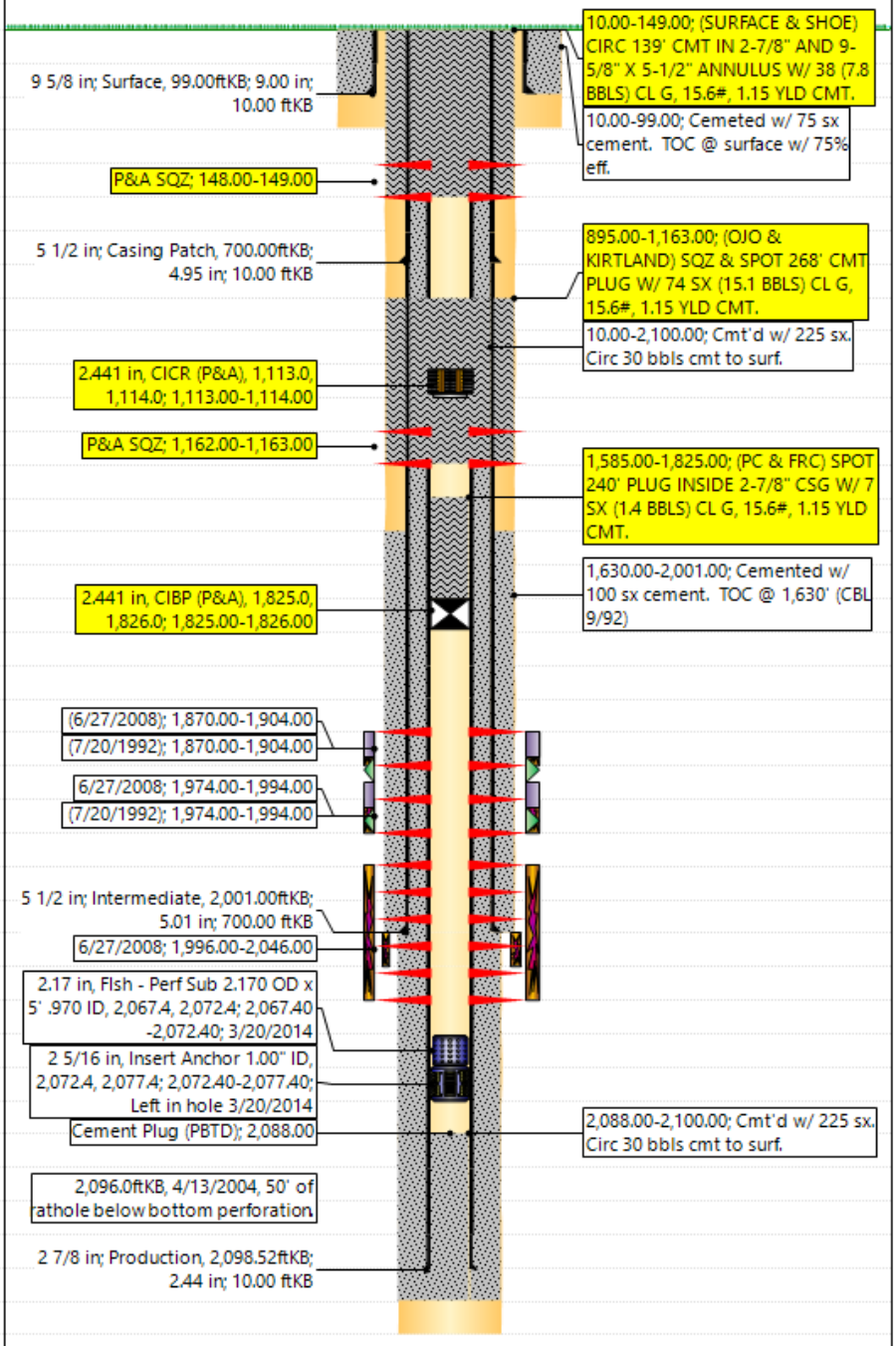
5,949.00	5,959.00	10.00		

Original Hole

MD (ftKB)	TVD (ftKB)	Formation Tops	MD
9.8			
98.1			
99.1			
100.1			
148.0			
149.0			
697.8			
700.1			
895.0			
995.1		Ojo Alamo	995.0
1,112.9		Kirtland	1,113.0
1,113.8			
1,162.1			
1,163.1			
1,585.0			
1,629.9			
1,685.0		Fruitland Coal	1,685.0
1,825.1			
1,826.1			
1,831.4			
1,839.6			
1,870.1			
1,903.9			
1,974.1			
1,994.1			
1,996.1		Pictured Cliffs	1,996.0
2,000.0			
2,001.0			
2,042.0			
2,045.9			
2,067.3			
2,072.5			
2,077.4			
2,087.9			
2,093.8			
2,096.1			
2,098.1			
2,098.4			
2,100.1			
2,120.1			

Vertical schematic (proposed)



Hilcorp Energy
P&A Final Reclamation Plan
Omler 4
API: 30-045-07080
T28N-R10W-Sec. 36-Unit B
LAT: 36.62331 LONG: -107.84314 NAD 27
Footage: 955' FNL & 1650' FEL
San Juan County, NM

1. **PRE- RECLAMATION SITE INSPECTION**

A pre-reclamation site inspection was completed with Roger Herrera from the BLM and Eufracio Trujillo, Hilcorp Energy SJ South Construction Foreman on March 7, 2023.

2. **LOCATION RECLAMATION PROCEDURE**

1. Reclamation work will begin in summer.
2. Removal of all equipment, anchors, flowlines, cathodic, and pipelines.
3. All trash and debris will be removed within a 50' buffer outside of the location disturbance during reclamation.
4. Check BGT permit status on this location as it has a BGT present.
5. Close out BGT on location when results permit if needed.
6. Remove cathodic pole and power line into location.
7. Plug cathodic well below surface.
8. Rip compacted soil and walk down disturbed portion of well pad.
9. Pull Eastern edge towards Western edge.
10. Slope diversion ditch along edge of pad into well pad.
11. Add silt trap where both arms of wash run together near cathodic well.
12. Remove all gravel from berms, pads, and meter run and use on lease road where needed.
13. Enterprise meter run and line to be removed and dead ended on opposite side if road. Old abandon line from P&A behind location will need to be removed.

3. **ACCESS ROAD RECLAMATION PROCEDURE**

1. The well access road will be ripped and contoured in and blocked off entrance with diversion ditch rolling to Northeast.
2. Block at the main lease road with a berm and ditch.
3. Seed road.

4. **SEEDING PROCEDURE**

1. A Pinon/Juniper seed mix will be used for all reclaimed and disturbed areas of the well pad and lease road.
2. Drill seed will be done where applicable, and all other disturbed areas will be broadcast seeded and harrowed. Broadcast seeding will be applied at a double the rate of seed.
3. Timing of the seeding will be when the ground is not frozen or saturated.

5. **WEED MANAGEMENT**

1. No noxious weeds were identified during this onsite.

BLM FLUID MINERALS
P&A Geologic Report

Date Completed: 3/23/2023

Well No. Omler #004 (API# 30-045-07080)		Location	955 FNL	&	1650 FEL	
Lease No. NMSF077085		Sec. 36	T28N		R10W	
Operator Hilcorp Energy Company		County	San Juan	State	New Mexico	
Total Depth 2120’	PBTD 2088’	Formation	Pictured Cliffs/Fruitland Coal			
Elevation (GL)		Elevation (KB) 5969’				

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose					
Nacimiento			Surface	995	Surface/freshwater sands
Ojo Alamo Ss			995	1113	Aquifer (possible freshwater)
Kirtland Shale			1113	1685	Possible Gas
Fruitland			1685	1996	Coal/Gas/Water
Pictured Cliffs Ss			1996	PBTD	Gas
Lewis Shale					
Chacra					
Cliff House Ss					
Menefee					
Point Lookout Ss					
Mancos Shale					
Gallup					
Greenhorn					
Graneros Shale					
Dakota Ss					
Morrison					

Remarks:
P & A

- Fruitland Coal perfs 1870’ – 1994’.
- Pictured Cliffs perfs 1996’ – 2046’.
- Fish reported below producing interval @ 2067’.

Reference Well:
1) **Formation Tops**
Same

Prepared by: *Chris Wenman*

GENERAL REQUIREMENTS FOR PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES FARMINGTON FIELD OFFICE

1.0 The approved plugging plans may contain variances from the following minimum general requirements.

1.1 Modification of the approved plugging procedure is allowed only with the prior approval of the Authorized Officer, Farmington Field Office.

1.2 Requirements may be added to address specific well conditions.

2.0 Materials used must be accurately measured. (densometer/scales)

3.0 A tank or lined pit must be used for containment of any fluids from the wellbore during plugging operations and all pits are to be fenced with woven wire. These pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced.

3.1 Pits are not to be used for disposal of any hydrocarbons. If hydrocarbons are present in the pit, the fluids must be removed prior to filling in.

4.0 All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.

4.1 The cement shall be as specified in the approved plugging plan.

4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or annular void(s) between casings, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.3 Surface plugs may be no less than 50' in length.

4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, calculated using the bit size, or 100' of annular capacity, determined from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.5 All cement plugs placed to fill an open hole shall be of sufficient volume to fill a minimum of 100' of hole, as calculated from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug. In the absence of a caliper log, an excess of 100% shall be required.

4.6 **A cement bond log or other accepted cement evaluation tool is required to be run if one had not been previously ran or cement did not circulate to surface during the original casing cementing job or subsequent cementing jobs.**

5.0 All cement plugs spotted across, or above, any exposed zone(s), when; the wellbore is not full of fluid or the fluid level will not remain static, and in the case of lost circulation or partial returns during cement placement, shall be tested by tagging with the work string.

5.1 The top of any cement plug verified by tagging must be at or above the depth specified in the approved plan, without regard to any excess.

5.2 Testing will not be required for any cement plug that is mechanically contained by use of a bridge plug and/or cement retainer, if casing integrity has been established.

5.3 Any cement plug which is the only isolating medium, for a fresh water interval or a zone containing a prospectively valuable deposit of minerals, shall be tested by tagging.

5.4 If perforations are required below the surface casing shoe, a 30 minute minimum wait time will be required to determine if gas and/or water flows are present. If flow is present, the well will be shut-in for a minimum of one hour and the pressure recorded. Short or long term venting may be necessary to evacuate trapped gas. If only a water flow occurs with no associated gas, shut well in and record the pressures. Contact the Engineer as it may be necessary to change the cement weight and additives.

6.0 Before setting any cement plugs the hole needs to be rolled. All wells are to be controlled by means of a fluid that is to be of a weight and consistency necessary to stabilize the wellbore. This fluid shall be left in place as filler between all plugs.

6.1 Drilling mud may be used as the wellbore fluid in open hole plugging operations.

6.2 The wellbore fluid used in cased holes shall be of sufficient weight to balance known pore pressures in all exposed formations.

7.0 A blowout preventer and related equipment (BOPE) shall be installed and tested prior to working in a wellbore with any exposed zone(s); (1) that are over pressured, (2) where the pressures are unknown, or (3) known to contain H_2S.

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), through the Automated Fluid Minerals Support System (AFMSS) with the Field Manager, Bureau of Land Management, 6251 College Blvd., Suite A, Farmington, NM 87402. The report should show the manner in which the plugging work was carried out, the extent, by depth(s), of cement plugs placed, and the size and location, by depth(s), of casing left in the well. Show date well was plugged.

9.0 All permanently abandoned wells are to be marked with a permanent monument as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10.0 If this well is located in a Specially Designated Area (SDA), compliance with the appropriate seasonal closure requirements will be necessary.

All of the above are minimum requirements. Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1. You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
6251 COLLEGE BLVD.
FARMINGTON, NEW MEXICO 87402

AFMSS 2 Sundry ID 2720499

Attachment to notice of Intention to Abandon

Well: Omler 4

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."

2. Farmington Office is to be notified at least 24 hours before the plugging operations commence at (505) 564-7750.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.

K. Rennick 03/23/2022

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

COMMENTS

Action 200652

COMMENTS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 200652
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

COMMENTS

Created By	Comment	Comment Date
john.harrison	Accepted for record - NMOCD JRH 4/4/23 BLM approved P&A 3/23/23	4/4/2023

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
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Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 200652

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 200652
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
john.harrison	None	4/4/2023