

Well Name: SAN JUAN	Well Location: T29N / R9W / SEC 33 / SWNW / 36.684418 / -107.79126	County or Parish/State: SAN JUAN / NM
Well Number: 22	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM029146	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004507687	Well Status: Producing Gas Well	Operator: HILCORP ENERGY COMPANY

Notice of Intent

Sundry ID: 2779576

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 03/14/2024

Time Sundry Submitted: 12:06

Date proposed operation will begin: 04/01/2024

Procedure Description: Hilcorp Energy Company requests permission to P&A the subject well per the attached procedure, current and proposed wellbore schematics. The Pre-Disturbance Site Visit was held on 3/6/2024 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

2024_03_14__SAN_JUAN_22__P_A_NOI_20240314120549.pdf

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Operator: HILCORP ENERGY COMPANY

Conditions of Approval

Specialist Review

2779576_NOIA_22_3004507687_KR_03142024_20240314132524.pdf

General_Requirement_PxA_20240314132420.pdf

San_Juan_No_22_Geo_Rpt_20240311153633_20240314132411.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: PRISCILLA SHORTY

Signed on: MAR 14, 2024 12:06 PM

Name: HILCORP ENERGY COMPANY

Title: Regulatory Technician

Street Address: 382 ROAD 3100

City: AZTEC

State: NM

Phone: (505) 324-5188

Email address: PSHORTY@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: 03/14/2024

Signature: Kenneth Rennick



HILCORP ENERGY COMPANY
SAN JUAN 22
P&A NOI

API #:	3004507687
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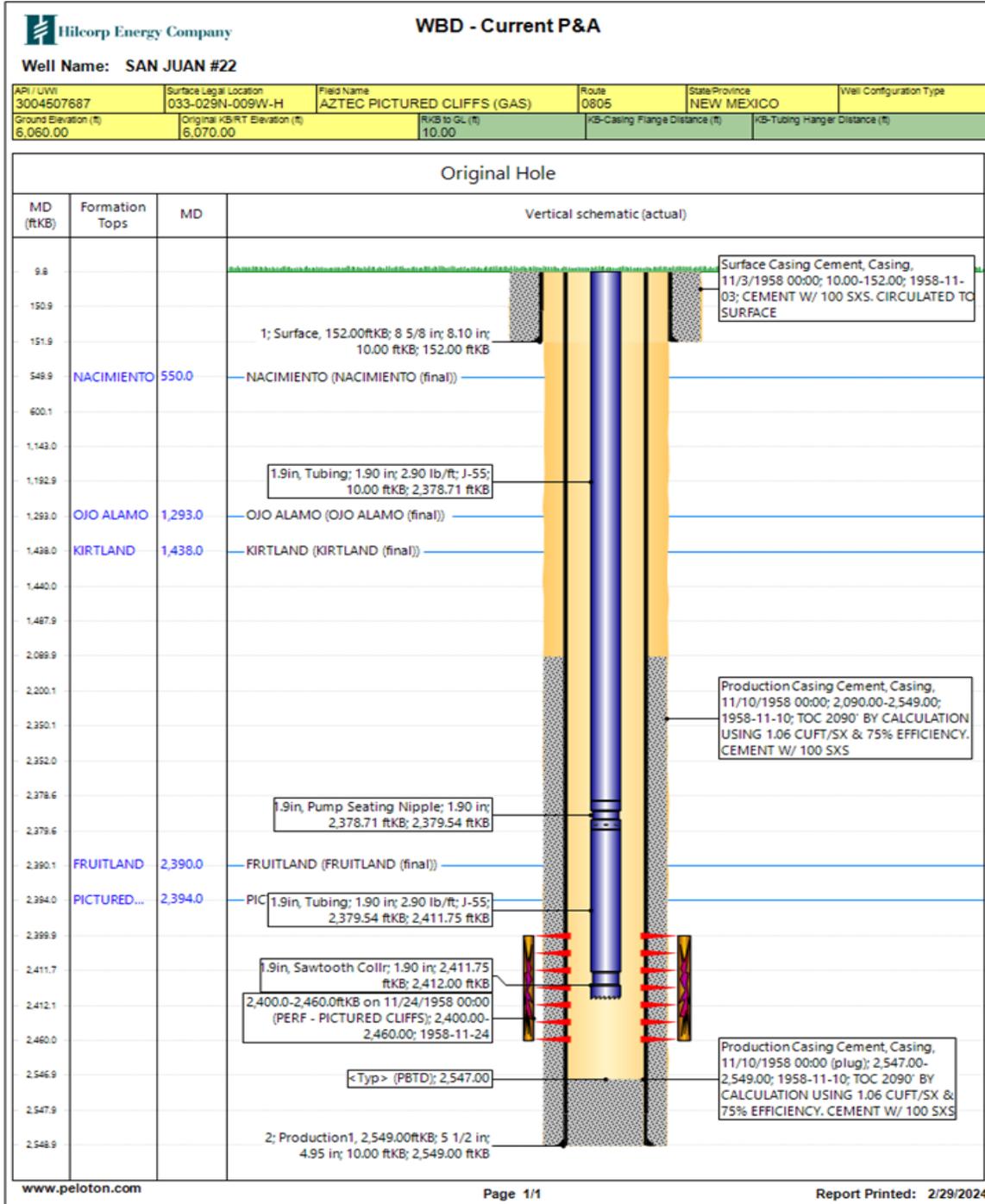
JOB PROCEDURES

1. Contact NMOCD and BLM (where applicable) 24 hours prior to MIRU.
2. Hold pre-job safety meeting. Verify cathodic is off. Comply with all NMOCD, BLM, and HEC safety and environmental regulations.
3. MIRU service rig and associated equipment; NU and test BOP.
4. TOOH w/ 1.9" tubing string.
5. Set a **5-1/2"** CIBP or CICR at **+/- 2,350'** to isolate the PC Perfs.
6. Load the well as needed. Pressure test the casing above the plug to **560 psig**.
7. RU Wireline. Run CBL. Record Top of Cement. All subsequent plugs below are subject to change pending CBL results.
8. PU & TIH w/ work string to **+/- 2,350'**.
9. **PLUG #1: 18sx of Class G Cement (15.8 PPG, 1.15 yield); PC Perfs @ 2,400' | FRD Top @ 2,390'**:
 Pump an 18 sack balanced cement plug inside the 5-1/2" casing (est. **TOC @ +/- 2,200'** & est. **BOC @ +/- 2,350'**).
10. TOOH w/ work string. TIH & perforate squeeze holes @ **+/- 1,488'**. RIH w/ **5-1/2"** CICR and set CICR @ **+/- 1,438'**. TIH w/ work string & sting into CICR. Establish injection.
11. **PLUG #2: 87sx of Class G Cement (15.8 PPG, 1.15 yield); KRD Top @ 1,438' | OJO Top @ 1,293'**:
 Pump 52sx of cement in the 5-1/2" casing X 7-7/8" open hole annulus (est. **TOC @ +/- 1,143'** & est. **BOC @ +/- 1,488'**). Pump an additional 6sx of cement beneath the 5-1/2" CICR (est. **TOC @ +/- 1,438'** & est. **BOC @ +/- 1,488'**). Sting out of retainer, pump a 29 sack balanced cement plug on top of the CICR. (est. **TOC @ +/- 1,193'** & est. **BOC @ +/- 1,438'**). WOC for 4 hrs, tag TOC w/ work string. *Note cement plug lengths and volumes account for excess.
12. TOOH w/ work string. TIH & perforate squeeze holes @ **+/- 600'**. Establish circulation.
13. **PLUG #3: 225sx of Class G Cement (15.8 PPG, 1.15 yield); NAC Top @ 550' | Surf. Casing Shoe @ 152'**:
 Pump 68sx of cement in the 5-1/2" casing X 7-7/8" open hole annulus (est. **TOC @ +/- 152'** & est. **BOC @ +/- 600'**). Continue pumping 87sx of cement in the 5-1/2" casing X casing annulus (est. **TOC @ +/- 0'** & est. **BOC @ +/- 152'**). Pump an 70 sack balanced cement plug inside the 5-1/2" casing (est. **TOC @ +/- 0'** & est. **BOC @ +/- 600'**). WOC for 4 hrs, tag TOC w/ work string.
14. ND BOP, cut off casing below casing flange. Top off cement in surface casing annulus, if needed. Install a P&A marker with cement to comply with regulations. Rig down, move off location, cut off anchors, and restore location.



HILCORP ENERGY COMPANY
SAN JUAN 22
P&A NOI

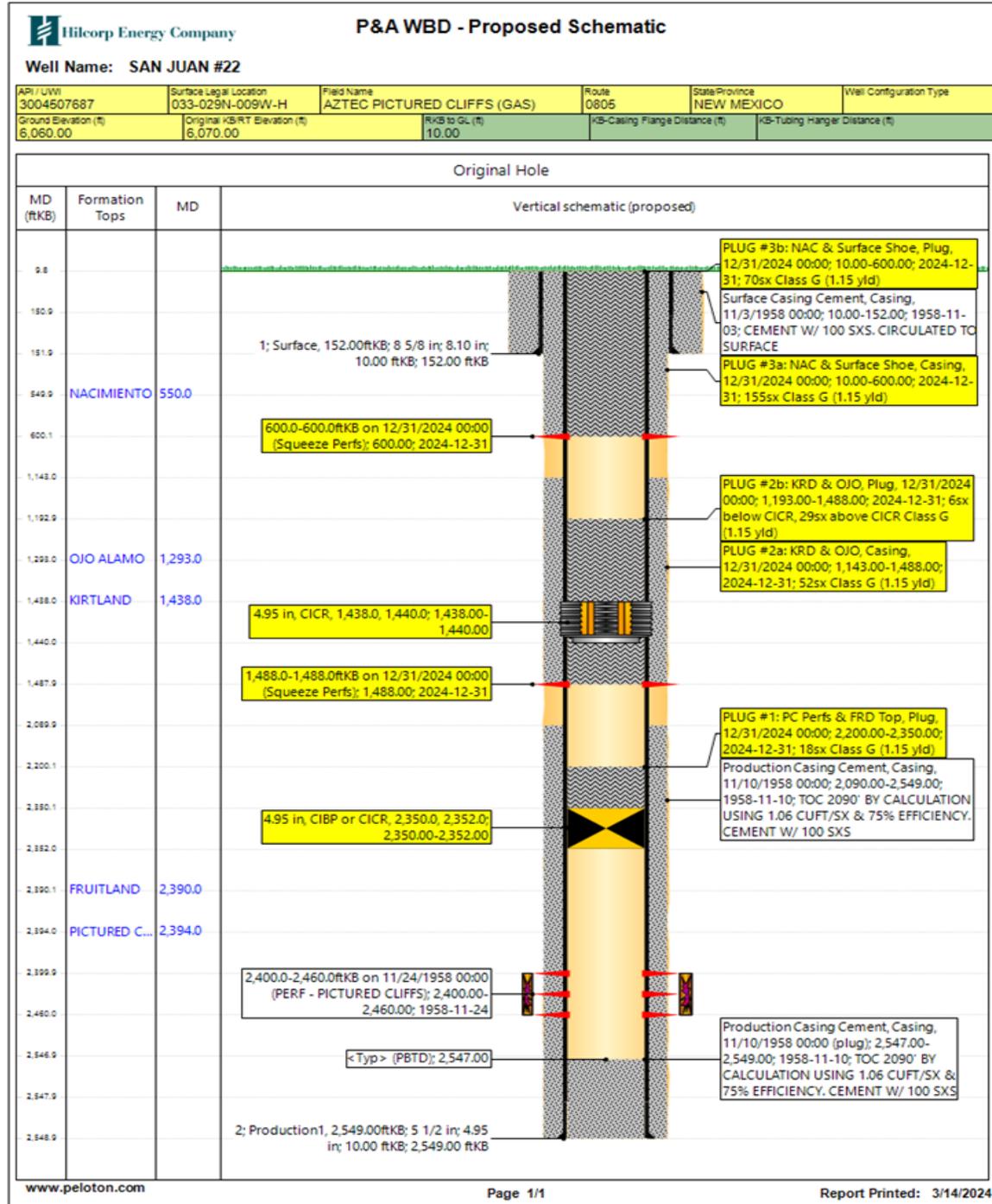
SAN JUAN 22 - CURRENT WELLBORE SCHEMATIC





HILCORP ENERGY COMPANY
SAN JUAN 22
P&A NOI

SAN JUAN 22 - PROPOSED WELLBORE SCHEMATIC



Hilcorp Energy
P&A Final Reclamation Plan
San Juan 22
API: 30-045-07687
T29N-R9W-Sec. 33-Unit E
LAT: 36.68442 LONG: -107.79126 NAD 27
Footage: 1850' FNL & 1180' FWL
San Juan County, NM

1. PRE- RECLAMATION SITE INSPECTION

A pre-reclamation site inspection was completed with Roger Herrera, from the BLM and Dale Crawford, Hilcorp Energy SJ South Construction Foreman on March 6, 2024.

2. LOCATION RECLAMATION PROCEDURE

1. Final reclamation will occur in Summer.
2. Removal of all equipment, anchors and flowlines.
3. All trash and debris will be removed within a 50' buffer outside of the location disturbance during reclamation.
4. Remove all gravel from berms, pads, and meter run.
5. Push fill slope from both sides back to the center to recreate the ridge.
6. Add silt traps if needed.
7. Meter run will be removed. Pipeline will be stripped back to start of access.

3. ACCESS ROAD RECLAMATION PROCEDURE

1. Access roads will be closed by water barring.
2. Access will be ripped and contoured.

4. SEEDING PROCEDURE

1. A sage and 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.

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

AFMSS 2 Sundry ID 2779576

Attachment to notice of Intention to Abandon

Well: San Juan 22

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. The following modifications to your plugging program are to be made:
 - a. Adjust the top of Plug 1 to 1926 ft to account for the BLM geologist's Fruitland top at 2026 ft.
 - b. Adjust the top of Plug 2 to 1026 ft to account for the BLM geologist's Ojo Alamo top 1126 ft.
3. 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 03/14/2024

BLM - FFO - Geologic Report

Date Completed 3/11/2024

Well No. San Juan # 22 Surf. Loc. 1850 FNL 1180 FWL
 Sec 33 T29N R9W

Lease No. NMNM029146

Operator Hilcorp Energy Co County San Juan State New Mexico
 TVD 2549 PBTB 2547 Formation: Aztec Pictured Cliffs
 Elevation GL 6060 Elevation Est. KB 6070 (Estimated)

Geologic Formations	Est. tops	Subsea Elev.	Remarks
Nacimiento Fm.	Surface		Surface /fresh water sands
Ojo Alamo Ss	1126	4944	Fresh water aquifer
Kirtland Fm.	1438	4632	
Fruitland Fm.	2026	4044	Coal/gas/possible water
Pictured Cliffs	2316	3754	Possible gas/water
Lewis Shale (Main)	2501	3569	Source rock

Remarks:

Reference Well:

-Vertical wellbore, all formation depths are TVD from KB at the wellhead.
 -Adjust the top of Plug 1 to 1926' to account for the BLM geologist's Fruitland top.
 -Adjust the top of Plug 2 to 1026' to account for the BLM geologist's Ojo Alamo top.
 -The surface formation is the Nacimiento, therefore the bottom of Plug 3 may be adjusted.

Hilcorp Energy Co
 State Gas Com O # 1
 1540' FNL, 990' FEL
 32H, 29N, 9W
 GL=6083, KB=6094

Prepared by: Walter Gage

**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 H₂S.

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.

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

CONDITIONS

Action 323428

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 323428
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	Follow BLM tops - start plug 1 50 feet below pc top - Notify NMOCD 24 hours prior to moving on - Monitor string pressures daily report findings in subsequent.	3/14/2024