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

Sundry Print Report

09/09/2025

Well Name: MUDGE A

Well Location: T27N / R11W / SEC 7 / NESE / 36.58688 / -108.03893

County or Parish/State: SAN JUAN / NM

Well Number: 3

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMSF078895

Unit or CA Name:

Unit or CA Number:

US Well Number: 3004506650

Operator: HILCORP ENERGY COMPANY

Notice of Intent

Sundry ID: 2870520

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 08/29/2025

Time Sundry Submitted: 08:45

Date proposed operation will begin: 11/03/2025

Procedure Description: Hilcorp Energy Company requests permission to P&A the subject well per the attached procedure, current and proposed wellbore schematics. A closed loop system will be used. The Pre-Disturbance Site Visit was held on 08/13/2025 with Roger Herrera (BLM), Daniel Sloan (Enterprise), Bertha Spencer (BIA), Alysse Pablo (NAPI) and Bryan Hall (HEC). The Re-Vegetation Plan is attached. A variance to 43 CFR 3162.6(d) permanent P&A monument and 19.15.25.10 NMAC dry hole marker requirement is requested by Navajo Agricultural Products Industry (NAPI) representative, Alysse Pablo (Land Development Coordinator) to avoid damage to the irrigation pivot and farm equipment a below grade P&A marker will be installed.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

2025_08_28_MUDGE_A_3_P_A_NOI_20250829084417.pdf

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Operator: HILCORP ENERGY COMPANY

Conditions of Approval

Additional

2870520_NOI_PnA_Mudge_A_3_3004506650_MHK_09.08.2025_20250908142036.pdf

General_Requirement_PxA_20250908141310.pdf

Mudge_A_3_Geo_Rpt_20250908095642.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: TAMMY JONES

Signed on: AUG 29, 2025 08:44 AM

Name: HILCORP ENERGY COMPANY

Title: Regulatory Compliance Specialist

Street Address: 382 ROAD 3100

City: AZTEC **State:** NM

Phone: (505) 324-5185

Email address: TAJONES@HILCORP.COM

Field

Representative Name:

Street Address:

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

Phone:

Email address:

BLM Point of Contact

BLM POC Name: MATTHEW H KADE

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647736

BLM POC Email Address: MKADE@BLM.GOV

Disposition: Approved

Disposition Date: 09/08/2025

Signature: Matthew Kade

HILCORP ENERGY COMPANY
MUDGE A 3
P&A NOI

API #:	3004506650

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. Set a **4"** CIBP or CICR at **+/- 1,787'** to isolate the **PC Perfs**.
5. Load the well as needed. Pressure test the casing above the plug to **560 psig**.
6. RU Wireline. Run CBL. Record Top of Cement. All subsequent plugs below are subject to change pending CBL results.
7. PU & TIH w/ work string to **+/- 1,787'**.
8. **PLUG #1: 6sx of Class G Cement (15.8 PPG, 1.15 yield); PC Perfs @ 1,802' | PC Top @ 1,809':**
   Pump a 6 sack balanced cement plug inside the 4" casing (est. **TOC @ +/- 1,687'** & est. **BOC @ +/- 1,787'**). Wait on Cement for 4 hours, tag TOC w/ work string. *Note cement plug lengths & volumes account for excess.
9. POOH w/ work string to **+/- 697'**.
10. **PLUG #2: 9sx of Class G Cement (15.8 PPG, 1.15 yield); OJO Top @ 647':**
    Pump a 9 sack balanced cement plug inside the 4" casing (est. **TOC @ +/- 547'** & est. **BOC @ +/- 697'**). *Note cement plug lengths & volumes account for excess.
11. POOH w/ work string. TIH & perforate squeeze holes @ **+/- 142'**. Establish circulation.
12. **PLUG #3: 36sx of Class G Cement (15.8 PPG, 1.15 yield); Surf. Casing Shoe @ 92':**
    Pump 21sx of cement in the 5-1/2" casing X 8-5/8" casing annulus (est. **TOC @ +/- 0'** & est. **BOC @ +/- 142'**). Continue pumping 6sx of cement in the 4" casing X 5-1/2" casing annulus (est. **TOC @ +/- 0'** & est. **BOC @ +/- 142'**). Pump a 9 sack balanced cement plug inside the 4" casing (est. **TOC @ +/- 0'** & est. **BOC @ +/- 142'**). WOC for 4 hrs tag TOC. *Note cement plug lengths and volumes account for excess.
13. ND BOP, cut off Wellhead. 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
MUDGE A 3
P&A NOI

MUDGE A 3 - CURRENT WELLBORE SCHEMATIC

Hilcorp Energy Company

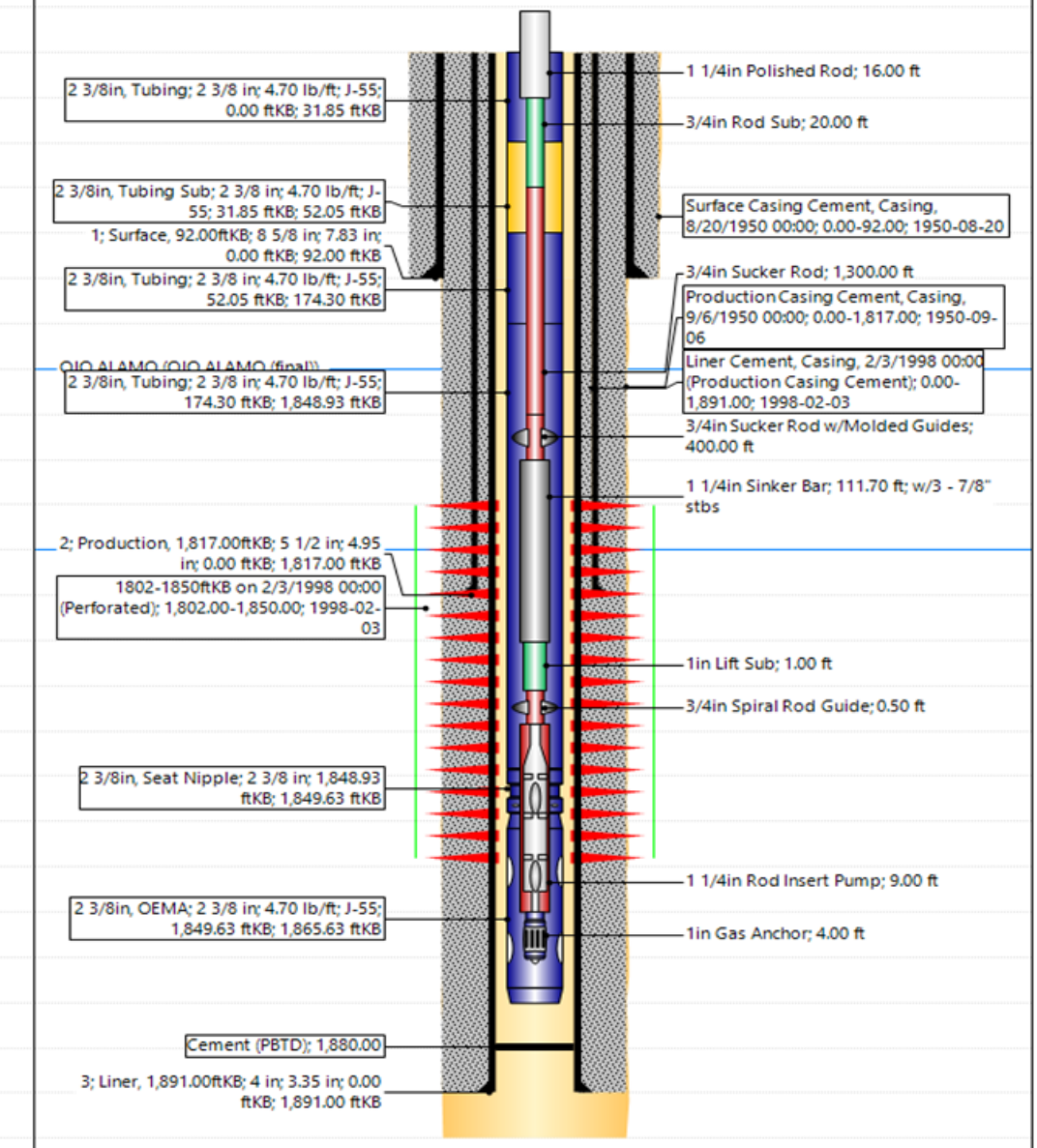
P&A WBD - Current Schematic

Well Name: MUDGE A #3

API / UWI	Surface Legal Location	Field Name	Route	State/Province	Well Configuration Type
3004506650	T27N-R11W-S07	Kutz W Pictured Cliffs	0603	NEW MEXICO	Vertical
Ground Elevation (ft)	**Original KB/RT Elevation (ft)**	**Tubing Hanger Elevation (ft)**	**RKB to GL (ft)**	**KB-Casing Flange Distance (ft)**	**KB-Tubing Hanger Distance (ft)**
6,119.00					

Original Hole, MUDGE A #3 [Vertical]

MD (ftKB)	Formation Tops	MD
-1.3		
0.0		
14.8		
31.8		
34.8		
52.2		
91.9		
174.2		
647.0	OJO ALAMO	647
1,334.6		
1,734.9		
1,801.8		
1,809.1	PICTURED...	1809
1,816.9		
1,846.5		
1,847.4		
1,848.1		
1,849.1		
1,849.7		
1,850.1		
1,857.0		
1,860.9		
1,865.5		
1,879.9		
1,891.1		
1,923.9		



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MUDGE A 3 - PROPOSED WELLBORE SCHEMATIC

Hilcorp Energy Company

P&A WBD - Proposed Schematic

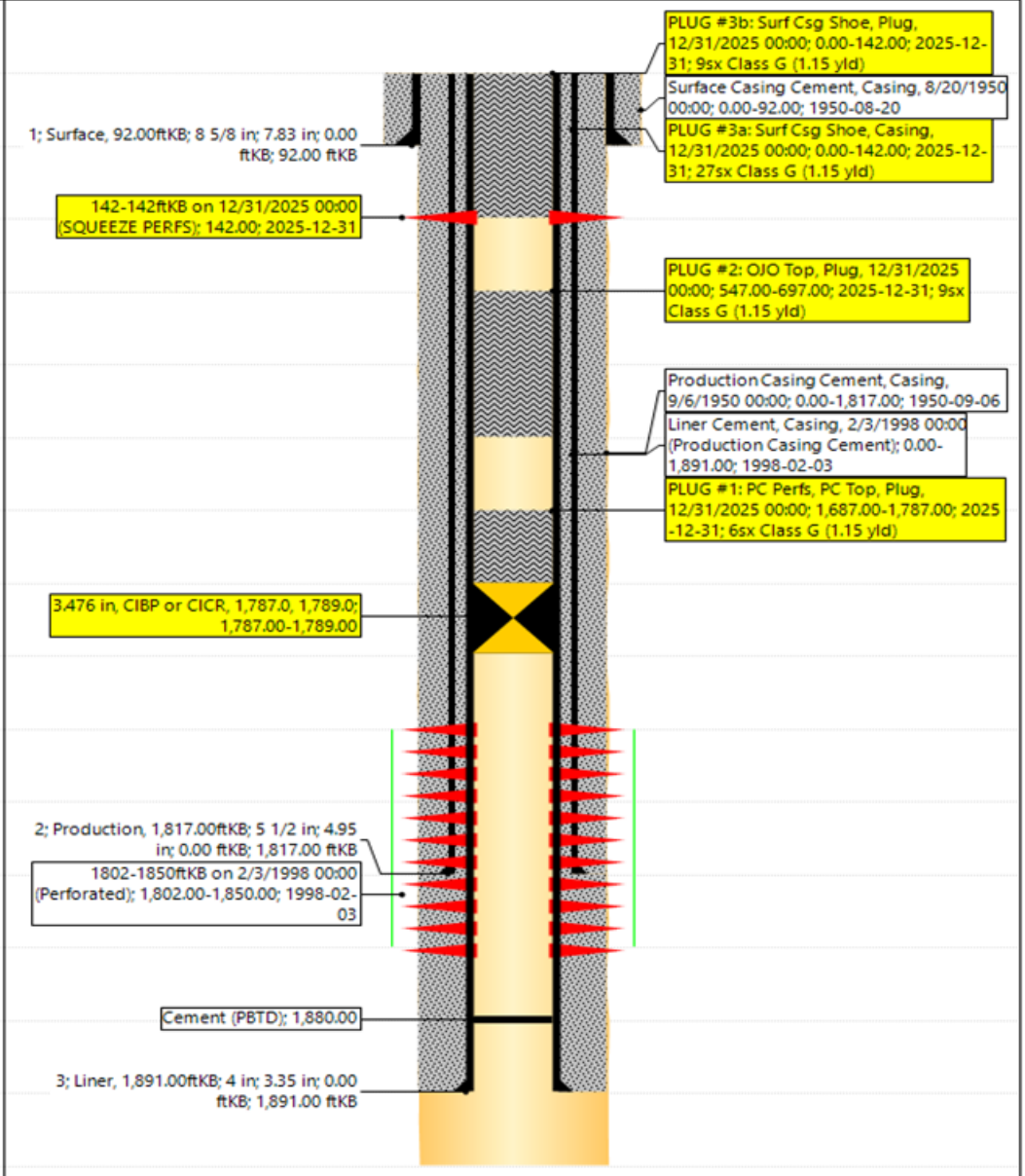
Well Name: MUDGE A #3

API / UWI	Surface Legal Location	Field Name	Route	State/Province	Well Configuration Type
3004506650	T27N-R11W-S07	Kutz W Pictured Cliffs	0603	NEW MEXICO	Vertical
Ground Elevation (ft)	**Original KB/RT Elevation (ft)**	**Tubing Hanger Elevation (ft)**	**RKB to GL (ft)**	**KB-Casing Flange Distance (ft)**	**KB-Tubing Hanger Distance (ft)**
6,119.00					

Original Hole, MUDGE A #3 [Vertical]

MD (ftKB)	Formation Tops	MD
0.0		
91.9		
142.1		
546.9		
647.0	OJO ALAMO	647
696.9		
1,687.0		
1,787.1		
1,789.0		
1,801.8		
1,809.1	PICTURED C...	1809
1,816.9		
1,850.1		
1,879.9		
1,891.1		
1,923.9		

Vertical schematic (proposed)



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Hilcorp Energy
P&A Final Reclamation Plan
Mudge A 3
API: 30-045-06650
T27N-R11W-Sec.7 -Unit I
LAT: 36.586896 LONG: -108.038883 NAD 27
1650’ FSL FNL & 990' FEL
San Juan County, NM

1. **PRE- RECLAMATION SITE INSPECTION**

   A pre-reclamation site inspection was completed with Roger Herrera (BLM), Daniel Sloan (Enterprise), Bertha Spencer (BIA), Alysse Pablo (NAPI) and Bryan Hall Hilcorp Energy SJ South Construction Foreman on August 13, 2025.

2. **LOCATION RECLAMATION PROCEDURE**

   1. Removal of all equipment, separator, meter run, anchors, flowlines, BGT, Tank, and Pumping Unit.
   2. Cose BGT per NMOCD Regulations.
   3. All trash and debris will be removed within a 50’ buffer outside of the location disturbance during reclamation.
   4. Place available gravel on main road.
   5. HEC will remove pipeline 50’ off location and cap.
   6. Bury P&A marker below grade.
   7. Rip and seed bare ground.

3. **ACCESS ROAD RECLAMATION PROCEDURE**

   1. N/A

4. **SEEDING PROCEDURE**

   1. Crested wheat/Indian Rice grass seed mix will be used for all reclaimed and disturbed areas of the well pad and lease road.
   2. Drill seed method 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. The time 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.


Google Earth
N

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) and 43 CFR 3172.12(a)(10). 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.

BLM - FFO - Geologic Report

Date Completed 9/5/2025

Well No.	Mudge A No 3			Surf. Loc.	1650	FSL	990 FEL
Lease No.	NMSF078895				Sec 7	T27N	R11W
US Well No.	3004506650						
Operator	Hilcorp Energy Co.			County	San Juan	State	New Mexico
TVD	1924	PBTD	1880	Formation	West Kutz Pictured Cliffs		
Elevation	GL	6119		Elevation	DF 6129		

Geologic Formations	Est. tops	Subsea Elev.	Remarks
Nacimiento Fm.	Surface		Surface /fresh water sands
Surface Casing base	92	6037	
Ojo Alamo	613	5516	Fresh water aquifer
Kirtland Fm.	738	5391	
Fruitland Fm.	1383	4746	Coal/gas/possible water
Pictured Cliffs	1813	4316	Possible gas/water
Perforations Top	1802	4327	
Perforations Bottom	1850	4279	

Remarks:

-Vertical wellbore, all formation depths are TVD from KB at the wellhead.

Modify Plug 2: Make the TOC 513' to cover the BLM geologist's pick for the Ojo Alamo top.

Prepared by: Walter Gage

Reference Well:

Beta Development
Holloway Federal No 3
3004506630
990' FSL, 990' FWL, 27N-11W-7M
GL= 6136', KB= 6146'

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Farmington District Office
6251 College Boulevard, Suite A
Farmington, New Mexico 87402
http://www.blm.gov/nm

CONDITIONS OF APPROVAL

September 8, 2025

Notice of Intent - Plug and Abandonment

Operator: Hilcorp Energy Company
Lease: NMSF078895
Well(s): Mudge A 3, API # 30-045-06650
Location: NESE Sec 7 T27N R11W (San Juan County, NM)
Sundry Notice ID#: 2870520

The Notice of Intent to Plug and Abandon is accepted with the following Conditions of Approval (COA):

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

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

3. **The following modifications to your plugging program are made:**

   a. Add plug to cover BLM Geologist's Fruitland formation top pick @ 1383'. Plug should at a minimum cover 1283' – 1453', estimated minimum 9 sx Class G cement.

   b. Adjust Plug 2 (Ojo Alamo) TOC to 513' to account for BLM Geologist's Ojo Alamo formation top pick @ 613' and BOC to 788' to account for BLM Geologist's Kirtland formation top pick @ 738'. Plug should at a minimum cover 513' – 788', estimated minimum 17 sx Class G cement.

4. Additional changes to procedure, before or during plugging, should be sent through email to Kenneth Rennick (krennick@blm.gov) for approval. Verbal approvals may be given and must be followed up with an email documenting the requested changes.

5. Below Ground Level Marker is approved. Marker must be at least ¼" thick and welded in place. Marker should include all well location and identity information as required under 43 CFR 3162.6(e).

6. **Deadline of Completion of Operations:** Complete the plugging operation before September 8, 2026. If unable to meet the deadline, notify the Bureau of Land Management's Farmington Field Office prior to the deadline via Sundry Notice (Form 3160-5) Notice of Intent detailing the reason for the delay and the date the well is to be plugged.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements. Any estimated minimum sacks provided in procedure modification include necessary excesses.

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

Kenny Rennick (krennick@blm.gov/505-564-7742)

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 504103

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 504103
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
loren.diede	Notify the OCD inspection supervisor via email 24 hours prior to beginning Plug & Abandon (P&A) operations.	9/11/2025
loren.diede	Accepted for record.	9/11/2025
loren.diede	NMOCD requests that the Kirtland (740') and Fruitland (1250') formation tops also be covered with cement plugs	9/11/2025
loren.diede	Submit photo and GPS coordinates of the P&A marker with the final P&A reports. The API# on the marker should be clearly legible.	9/11/2025