

Well Name: MUDGE A	Well Location: T27N / R11W / SEC 6 / NWSW / 36.601468 / -108.051437	County or Parish/State: SAN JUAN / NM
Well Number: 7R	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078895	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004530039	Operator: HILCORP ENERGY COMPANY	

Notice of Intent

Sundry ID: 2870789

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 08/29/2025	Time Sundry Submitted: 09:35
Date proposed operation will begin: 10/24/2025	

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 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 closed loop system will be used.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

2025_08_28_MUDGE_A_7R_P_A_NOI_20250829093439.pdf

Received by OCD: 9/9/2025 7:28:28 AM

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Conditions of Approval

Additional

2870789_NOI_PnA_Mudge_A_7R_3004530039_MHK_09.08.2025_20250908162941.pdf
General_Requirement_PxA_20250908162752.pdf
Mudge_A_7R_Geo_Rpt_20250908153417.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 09:35 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 7R
P&A NOI

API #:	3004530039
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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. Set a **4-1/2"** CIBP or CICR at **+/- 1,831'** 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 **+/- 1,831'**.
8. **PLUG #1: 45sx of Class G Cement (15.8 PPG, 1.15 yield); PC Perfs @ 1,847' | PC Top @ 1,846' | FRD Top @ 1,347'**:
 Pump a 45 sack balanced cement plug inside the 4-1/2" casing (est. **TOC @ +/- 1,247'** & est. **BOC @ +/- 1,831'**). Wait on Cement for 4 hours, tag TOC w/ work string. *Note cement plug lengths & volumes account for excess.
9. POOH w/ work string. TIH & perforate squeeze holes @ **+/- 670'**. RIH w/ **4-1/2"** CICR and set CICR @ **+/- 650'**. TIH w/ work string & sting into CICR. Establish injection. **Note the perforation is at 670' due to cement behind pipe via the CBL.
10. **PLUG #2: 30sx of Class G Cement (15.8 PPG, 1.15 yield); OJO Top @ 669'**:
 Pump 18sx of cement in the 4-1/2" casing X 6-1/4" open hole annulus (est. **TOC @ +/- 470'** & est. **BOC @ +/- 670'**). Pump an additional 2sx of cement beneath the 4-1/2" CICR (est. **TOC @ +/- 650'** & est. **BOC @ +/- 670'**). Sting out of retainer, pump a 10 sack balanced cement plug on top of the CICR. (est. **TOC @ +/- 520'** & est. **BOC @ +/- 650'**). WOC for 4 hrs, tag TOC w/ work string. *Note cement plug lengths and volumes account for excess.
11. POOH w/ work string. TIH & perforate squeeze holes @ **+/- 183'**. Establish circulation.
12. **PLUG #3: 33sx of Class G Cement (15.8 PPG, 1.15 yield); Surf. Casing Shoe @ 133'**:
 Pump 5sx of cement in the 4-1/2" casing X 6-1/4" open hole annulus (est. **TOC @ +/- 133'** & est. **BOC @ +/- 183'**). Continue pumping 14sx of cement in the 4-1/2" casing X 7" casing annulus (est. **TOC @ +/- 0'** & est. **BOC @ +/- 133'**). Pump a 14 sack balanced cement plug inside the 4-1/2" casing (est. **TOC @ +/- 0'** & est. **BOC @ +/- 183'**). *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 7R

P&A NOI

MUDGE A 7R - CURRENT WELLBORE SCHEMATIC

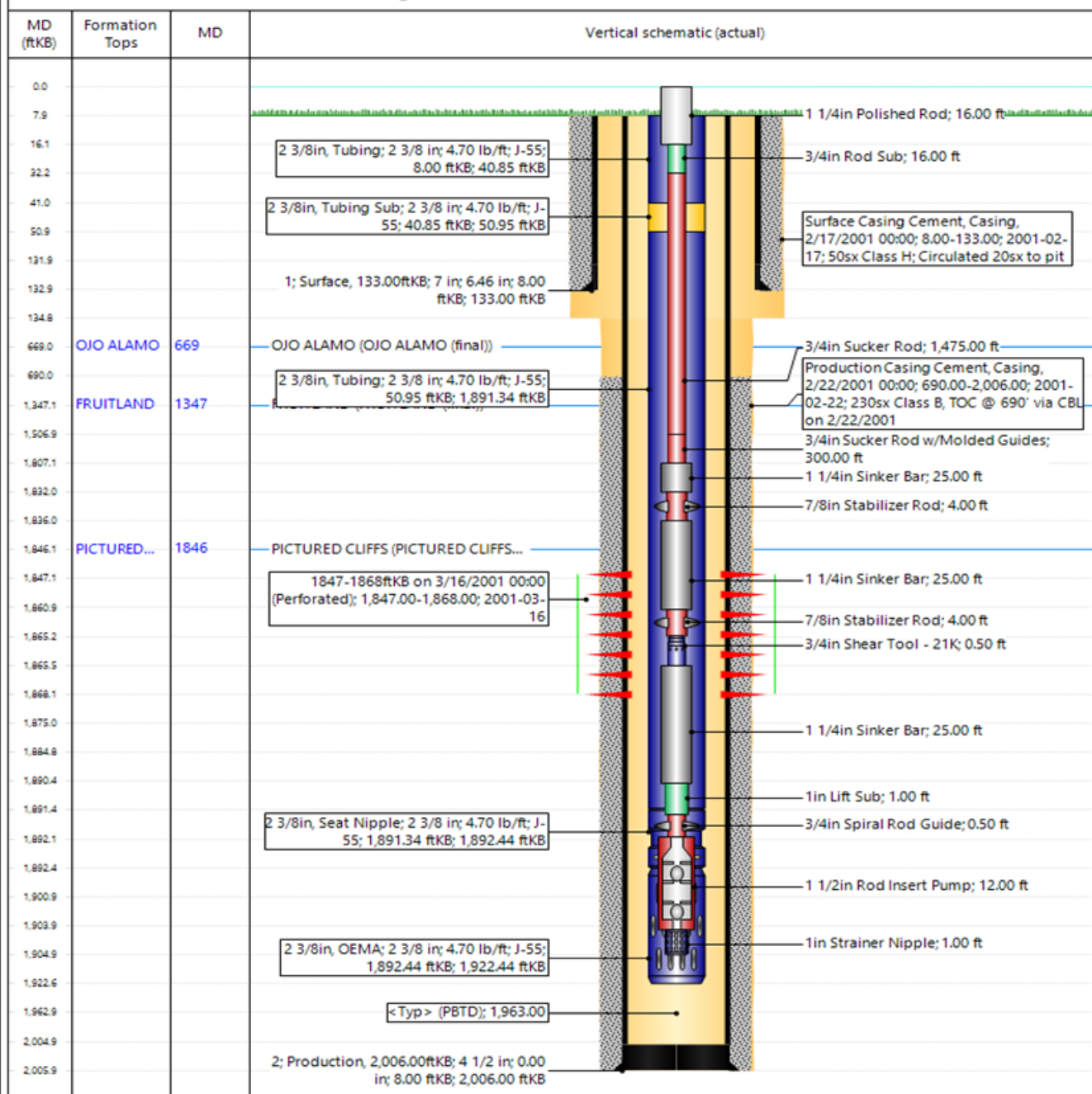


P&A WBD - Current Schematic

Well Name: MUDGE A #7R

API / UWI 3004530039	Surface Legal Location T27N-R11W-S06	Field Name Kutz W Pictured Cliffs	Route 0603	State/Province NEW MEXICO	Well Configuration Type Vertical
Ground Elevation (ft) 6,106.00	Original KBRT Elevation (ft) 6,114.00	Tubing Hanger Elevation (ft)	RKB to GL (ft) 8.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)

Original Hole, MUDGE A #7R [Vertical]





HILCORP ENERGY COMPANY MUDGE A 7R P&A NOI

MUDGE A 7R - PROPOSED WELLBORE SCHEMATIC



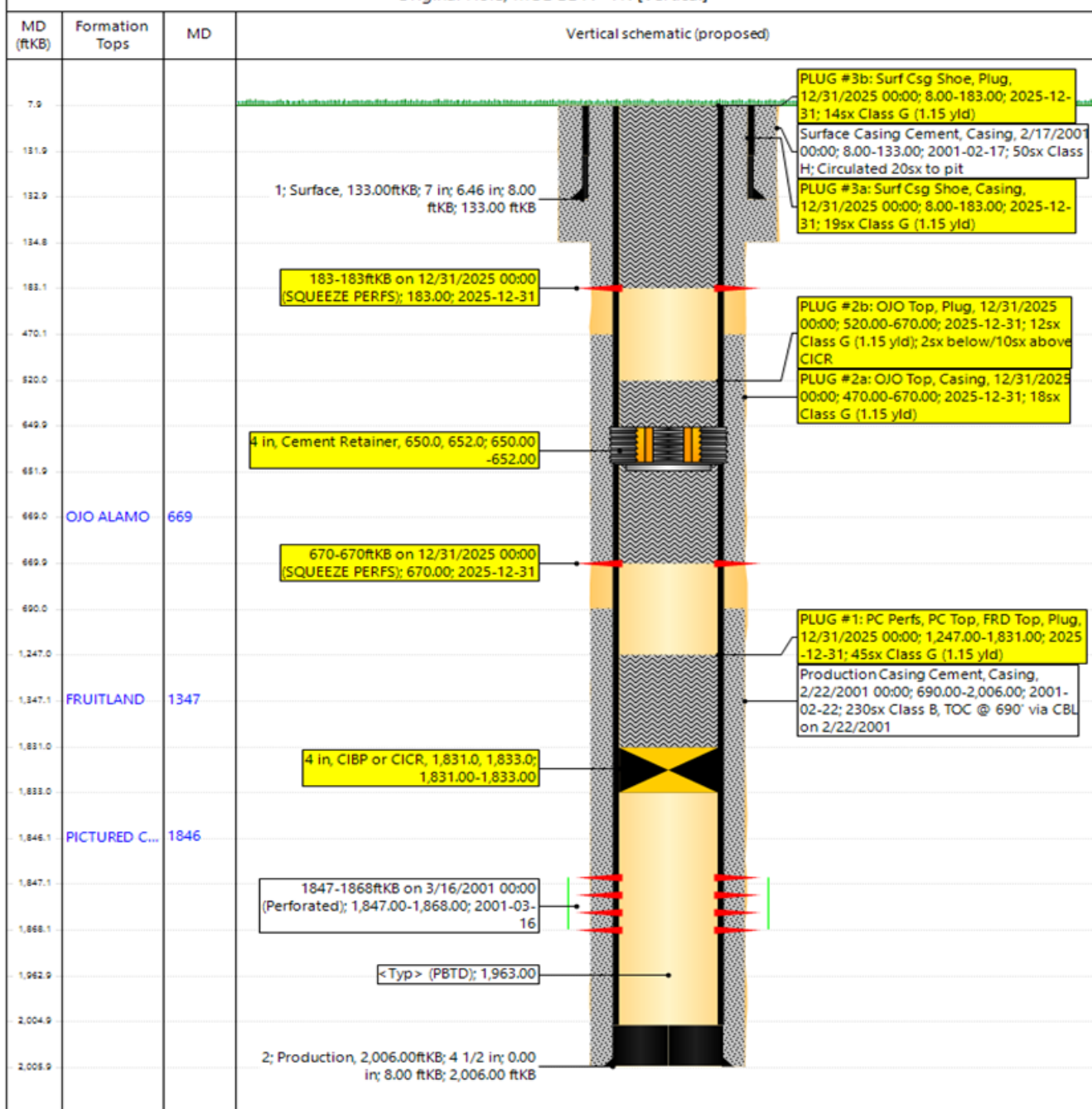
Hilcorp Energy Company

P&A WBD - Proposed Schematic

Well Name: MUDGE A #7R

API / UWI 3004530039	Surface Legal Location T27N-R11W-S06	Field Name Kutz W Pictured Cliffs	Route 0603	State/Province NEW MEXICO	Well Configuration Type Vertical
Ground Elevation (ft) 6,106.00	Original KB/RT Elevation (ft) 6,114.00	Tubing Hanger Elevation (ft) 8.00	RKB to GL (ft) 8.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)

Original Hole, MUDGE A #7R [Vertical]



Hilcorp Energy
P&A Final Reclamation Plan
Mudge A 7R
API: 30-045-300039
T27N-R11W-Sec.6 -Unit L
LAT: 36.601432 LONG: -108.050766 NAD 27
1650' FSL FNL & 790' FWL
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, 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. Feather in west side onto location.
6. HEC will remove pipeline , drag exposed pipe to the road, cut and haul off. Hilcorp will disconnect pipeline at the dogleg.
7. Rip and seed bare ground.

3. ACCESS ROAD RECLAMATION PROCEDURE

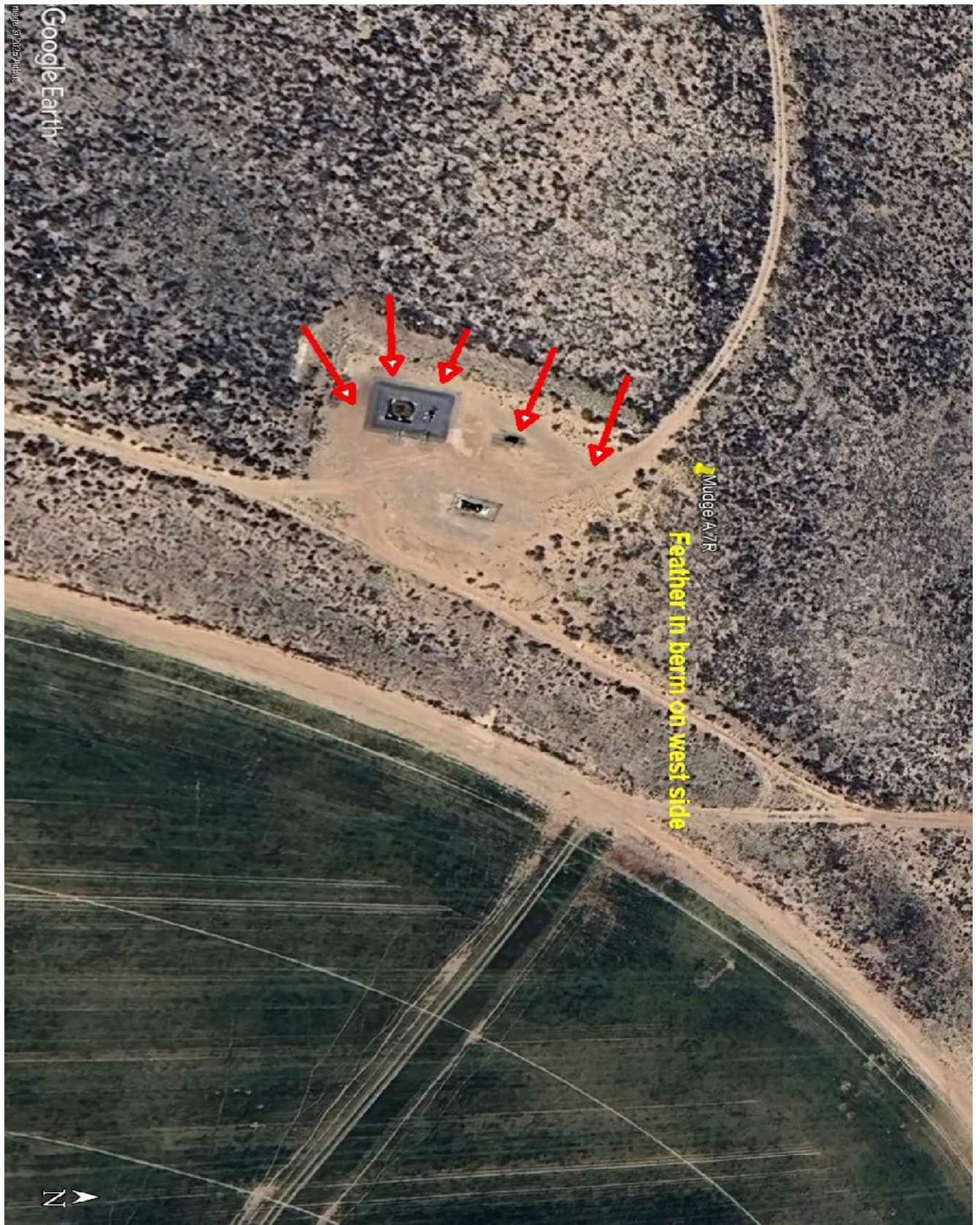
1. Close both access roads back to main road. Block with berms to stop access.
2. Rip and seed.

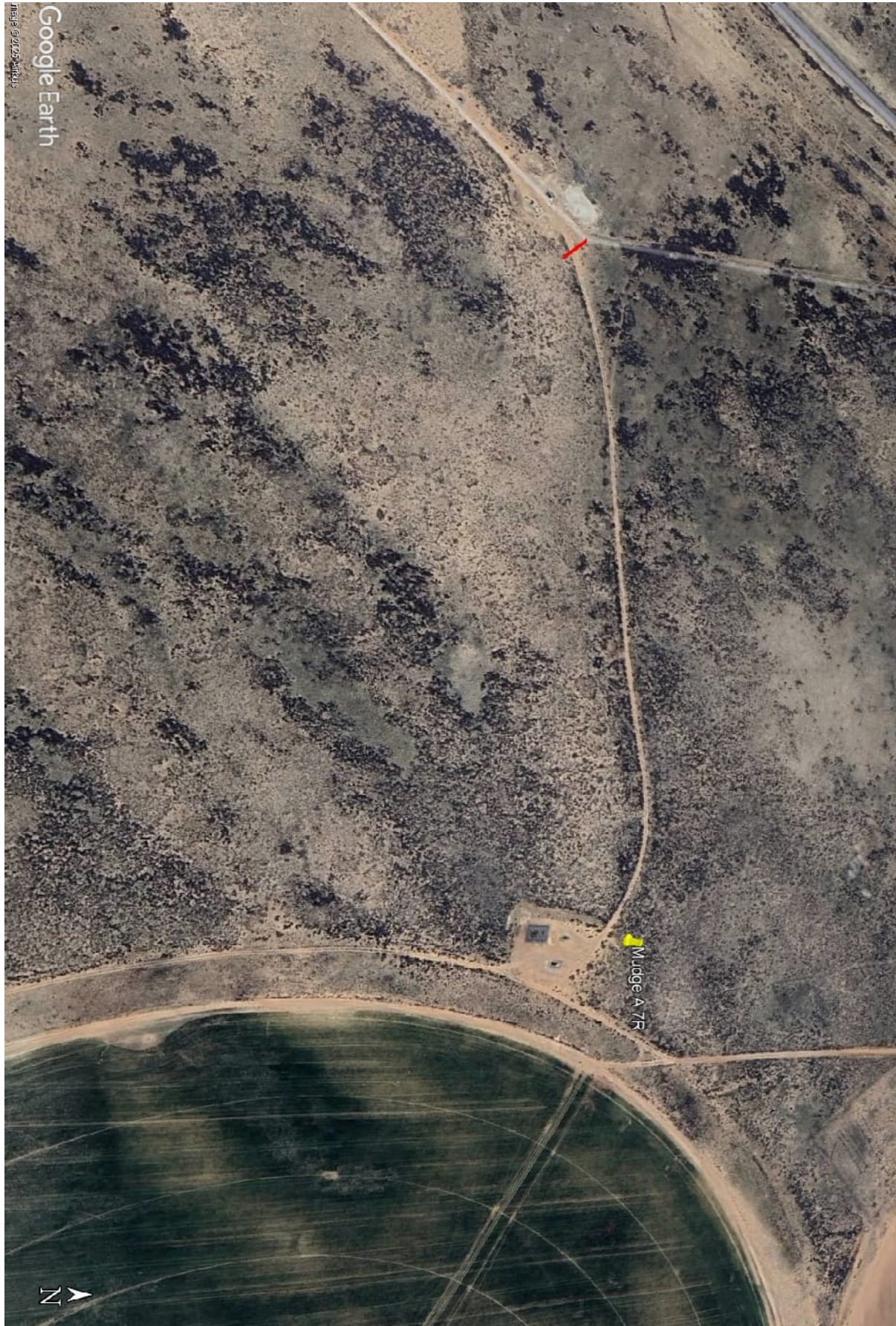
4. SEEDING PROCEDURE

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.





**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) 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**

9/8/2025

Well No.	Mudge A No 7R	Surf. Loc.	1650	FSL	790	FWL
Lease No.	NMSF078895	Sec	6	T27N	R11W	
US Well No.	3004530039					
Operator	Hilcorp Energy Co.	County	San Juan	State	New Mexico	
TVD	2006	PBTD	1963	Formation	West Kutz Pictured Cliffs	
Elevation	GL		6106	Elevation	KB	6114

Geologic Formations	Est. tops	Subsea Elev.	Remarks
Nacimiento Fm.	Surface		Surface /fresh water sands
Surface Casing base	133	5981	
Ojo Alamo	669	5445	Fresh water aquifer
Kirtland Fm.	776	5338	
Fruitland Fm.	1271	4843	Coal/gas/possible water
Pictured Cliffs	1836	4278	Possible gas/water
Perforations Top	1847	4267	
Perforations Bottom	1868	4246	

Remarks:Reference Well:

-Vertical wellbore, all formation depths are TVD from KB at the wellhead.
 Modify Plug 1: Make the TOC 1171' to cover the BLM geologist's pick for the Fruitland top.

Beta Development
 Holloway Federal No 3
 3004506839
 1750' FSL, 1650' FWL, 6K-27N-11W
 GL= 6076', KB= 6088'

Prepared by: Walter Gage



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 7R, API # 30-045-30039
Location: NWSW Sec 6 T27N R11W (San Juan County, NM)
Sundry Notice ID#: 2870789

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. Adjust Plug 1 (Picture Cliffs/Fruitland) TOC to 1171' to account for BLM Geologist's Fruitland formation top pick @ 1271'. Plug should at a minimum cover 1171' – 1831', estimated minimum 52 sx Class G cement.
 - b. Add plug to cover BLM Geologist's Kirtland formation top pick @ 776'. Plug should cover at a minimum 726' – 826', estimated minimum 8 sx Class G. Plug may be combined with Plug 2 (Ojo Alamo).
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. **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 504111

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 504111
	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	A Cement Bond Log (CBL) is required to be submitted to electronic permitting.	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 is to be clearly legible.	9/11/2025
loren.diede	Modify (based on CBL) either the Fruitland or Ojo Alamo plugs to cover the Kirtland top found at 776', (BLM geologist's top pick).	9/11/2025