

Well Name: HUERFANO UNIT	Well Location: T27N / R10W / SEC 31 / NWNE / 36.536545 / -107.933548	County or Parish/State: SAN JUAN / NM
Well Number: 17R	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078422	Unit or CA Name: HUERFANO UNIT--PC	Unit or CA Number: NMNM78395A
US Well Number: 3004511761	Operator: HILCORP ENERGY COMPANY	

Notice of Intent

Sundry ID: 2847587

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 04/16/2025

Time Sundry Submitted: 09:10

Date proposed operation will begin: 06/06/2025

Procedure Description: Hilcorp Energy Company request permission to plug and abandon the subject well per the attached procedure, current and proposed wellbore schematics. The Pre-Disturbance Site Visit was held on 03/12/2025 with Roger Herrera (BLM) and Chad Perkins (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_04_15_HUERFANO_UN_17R_P_A_Procedure_NOI_20250416090851.pdf

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County or Parish/State: SAN JUAN / NM

Well Number: 17R

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMSF078422

Unit or CA Name: HUERFANO UNIT--PC

Unit or CA Number: NMNM78395A

US Well Number: 3004511761

Operator: HILCORP ENERGY COMPANY

Conditions of Approval

Additional

Huerfano_Unit_No_17R_Geo_Rpt_20250418125146.pdf

Authorized

2847587_17R_3004511761_NOIA_KR_04212025_20250421062949.pdf

General_Requirement_PxA_20250421062930.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: APR 16, 2025 09:09 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: KENNETH G RENNICK

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647742

BLM POC Email Address: krennick@blm.gov

Disposition: Approved

Disposition Date: 04/21/2025

Signature: Kenneth Rennick



API #:	3004511761
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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 **2-7/8"** CICR at **+/- 1,632'** 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 **+/- 1,632'**, sting into CICR, establish injection.
8. **PLUG #1a: 12sx of Class G Cement (15.8 PPG, 1.15 yield); PC Perfs @ 1,638' | PC Top @ 1,632' | FRD Top @ 1,372':**
 Pump 2sx of cement beneath the 2-7/8" CICR (est. **TOC @ +/- 1,632'** & est. **BOC @ +/- 1,682'**). *Note cement plug lengths & volumes account for excess. ****2-7/8" retainers only come with a 1-way check and are thus not able to hold cement on top. Will setting CIBP 10' above retainer to hold cement on top.**
9. TOOH w/ work string. RIH w/ **2-7/8" CIBP** and set CIBP @ **+/- 1,622'**. TIH w/ work string.
10. **PLUG #1b: 12sx of Class G Cement (15.8 PPG, 1.15 yield); PC Perfs @ 1,638' | PC Top @ 1,632' | FRD Top @ 1,372':**
 Pump a 10 sack balanced cement plug inside the 2-7/8" casing above CIBP (est. **TOC @ +/- 1,272'** & est. **BOC @ +/- 1,622'**). *Note cement plug lengths & volumes account for excess.
11. PUH w/ work string. TIH & perforate squeeze holes @ **+/- 796'**. Establish injection/circulation.
12. **PLUG #2: 63sx of Class G Cement (15.8 PPG, 1.15 yield); KRD Top @ 746' | OJO Top @ 580':**
 Pump 54sx of cement in the 2-7/8" casing X 6-1/4" open hole annulus (est. **TOC @ +/- 430'** & est. **BOC @ +/- 796'**). Pump a 9 sack balanced cement plug inside the 2-7/8" casing (est. **TOC @ +/- 480'** & est. **BOC @ +/- 796'**). WOC for 4 hrs, tag TOC w/ work string. *Note cement plug lengths and volumes account for excess.
13. POOH w/ work string. TIH & perforate squeeze holes @ **+/- 186'**. Establish circulation.
14. **PLUG #3: 51sx of Class G Cement (15.8 PPG, 1.15 yield); Surf. Casing Shoe @ 136':**
 Pump 8sx of cement in the 2-7/8" casing X 6-1/4" open hole annulus (est. **TOC @ +/- 136'** & est. **BOC @ +/- 186'**). Continue pumping 37sx of cement in the 2-7/8" casing X 8-5/8" casing annulus (est. **TOC @ +/- 0'** & est. **BOC @ +/- 136'**). Pump a 6 sack balanced cement plug inside the 2-7/8" casing (est. **TOC @ +/- 0'** & est. **BOC @ +/- 186'**). WOC for 4 hrs, tag TOC w/ work string. *Note cement plug lengths and volumes account for excess.
15. 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.



HUERFANO UNIT 17R - CURRENT WELLBORE SCHEMATIC

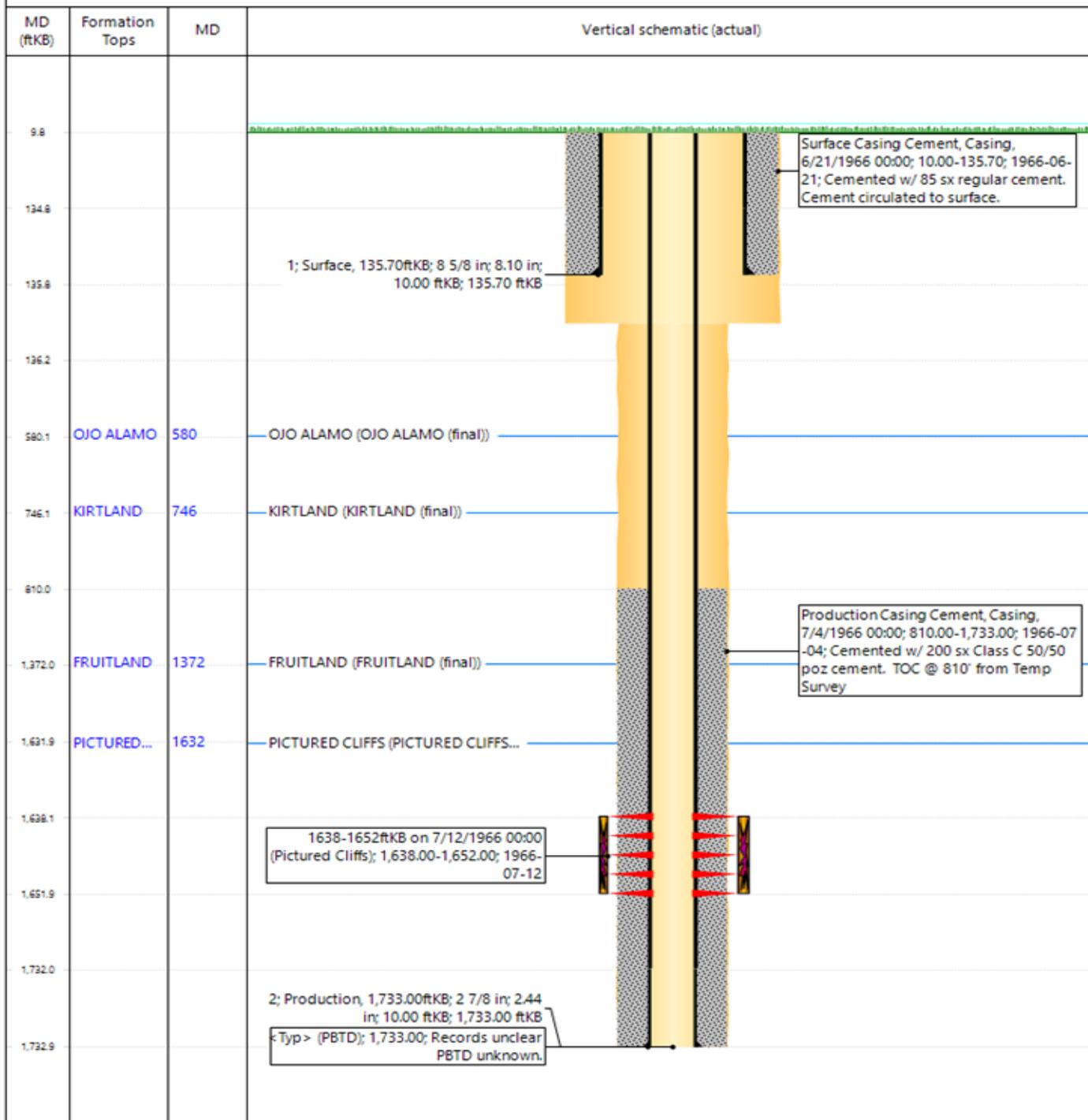


P&A WBD - Current Schematic

Well Name: **HUERFANO UNIT #17R**

API / UWI 3004511761	Surface Legal Location 031-027N-010W-B	Field Name KUTZ WEST (PICTURED CLIFFS)	Route 0604	State/Province NEW MEXICO	Well Configuration Type VERTICAL
Ground Elevation (ft) 6,015.00	Original KBRT Elevation (ft) 6,025.00	Tubing Hanger Elevation (ft)	RKB to GL (ft) 10.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)

Original Hole [VERTICAL]





HUERFANO UNIT 17R - PROPOSED WELLBORE SCHEMATIC

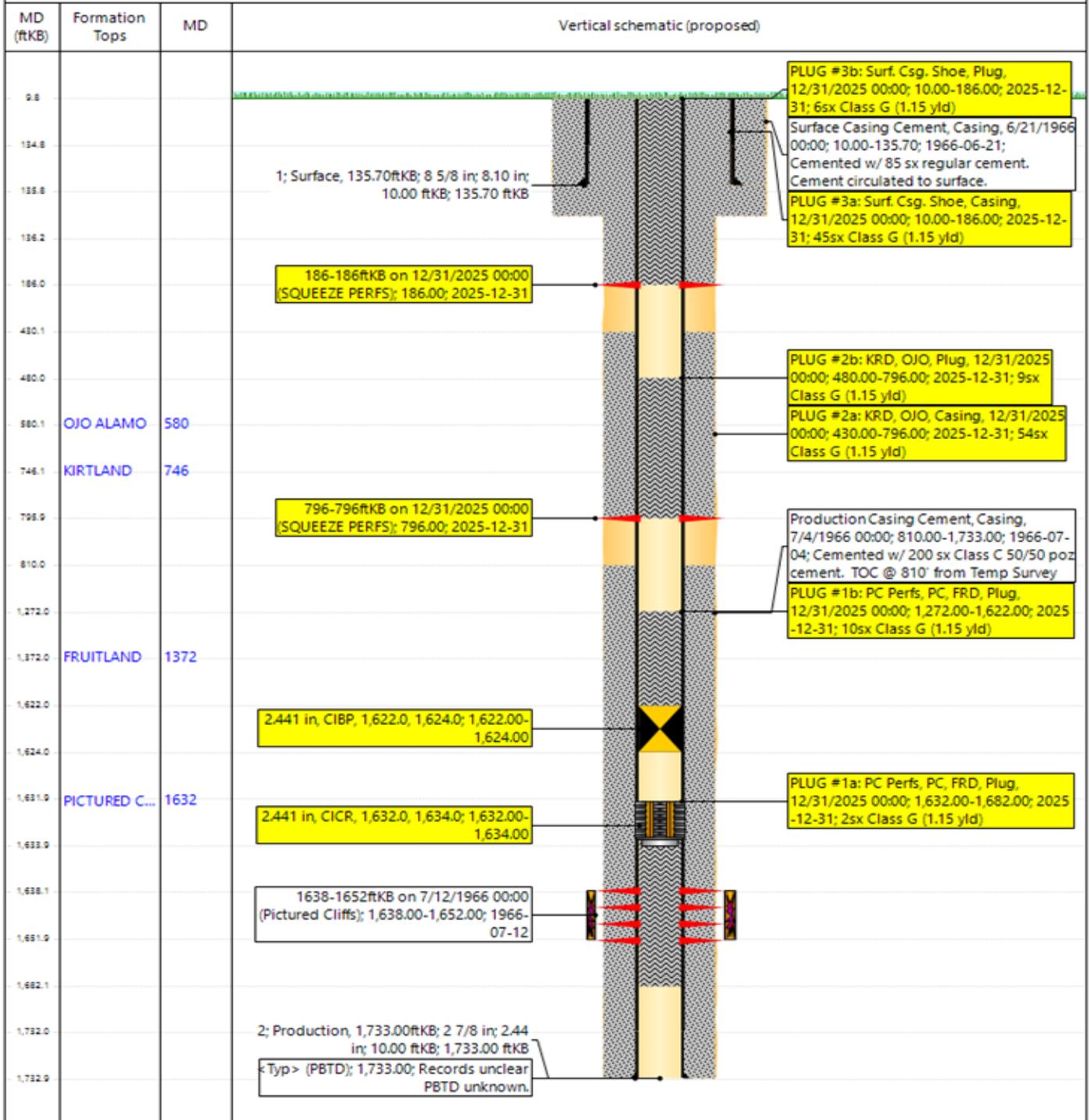


P&A WBD - Proposed Schematic

Well Name: **HUERFANO UNIT #17R**

API / UWI 3004511761	Surface Legal Location 031-027N-010W-B	Field Name KUTZ WEST (PICTURED CLIFFS)	Route 0604	State/Province NEW MEXICO	Well Configuration Type VERTICAL
Ground Elevation (ft) 6,015.00	Original KB/RT Elevation (ft) 6,025.00	Tubing Hanger Elevation (ft)	RKB to GL (ft) 10.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)

Original Hole [VERTICAL]



Hilcorp Energy
P&A Final Reclamation Plan
Huerfano Unit # 17R
API: 30-045-11761
Lease Number, NMSF078422
Sec.031-T027N-R010W-Unit B
Lat: 36.53655, Long: -107.93355
Footage: 900' FNL & 1850' FEL
San Juan County, NM

1. PRE-RECLAMATION SITE INSPECTION

- 1.1) A pre-reclamation site inspection was completed by Hilcorp Energy and representatives from government agencies on Wednesday March 12, 2025:
- Roger Herrera with the BLM
 - Chad Perkins with Hilcorp Energy

2. SAMPLING, POST EQUIPMENT REMOVAL:

- 2.1) Hilcorp will conduct the below-grade tank (BGT) removal in New Mexico in accordance with the following:
1. Submit a 72-hour notice to the NMOCD prior to removal of the BGT. If the BGT is located on BLM surface, the appropriate BLM contact(s) will be copied on all correspondence related to this matter.
 2. All sampling will be handled in accordance with the site-specific Pit, Closed-Loop System, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application and 19.15.17.13 NMAC.
 3. In the event that any analyte exceeds the Closure Criteria for Soils Beneath Below-Grade Tanks listed in Table I of 19.15.17.13 NMAC, Hilcorp will determine if the impacted soils are at or less than 12 yards total. If this NMOCD-approved action can be achieved, Hilcorp will close the BGT out in accordance with 19.15.17.13 NMAC.
 4. If the amount of impacted soils exceeds 12 yards, Hilcorp will conduct all further delineation and closure activities in accordance with 19.15.29 NMAC. This will involve the submittal of an initial C-141 within 15 days of this discovery.

3. LOCATION RECLAMATION PROCEDURE

- 3.1) Final reclamation work will be completed after the well is Plugged.
- 3.2) All production equipment, anchors, and flow lines will be stripped and removed.
- 3.3) A pipeline strip request will be sent to Enterprise products after the well is plugged.
- 3.4) Enterprise products will be responsible for pipeline removal and or abandonment. If they determine to abandon the pipeline it needs to be abandon 50' from the well pad.
- 3.5) All nonnative aggregate will be scraped up and placed on the main lease access road or buried in toe of the cut prior to re-contouring.
- 3.6) Rip compacted soil and walk down all disturbed portion of well pad.
- 3.7) All trash and debris will be removed within 50' buffer outside of the location disturbance during reclamation.

4. ACCESS ROAD RECLAMATION PROCEDURE:

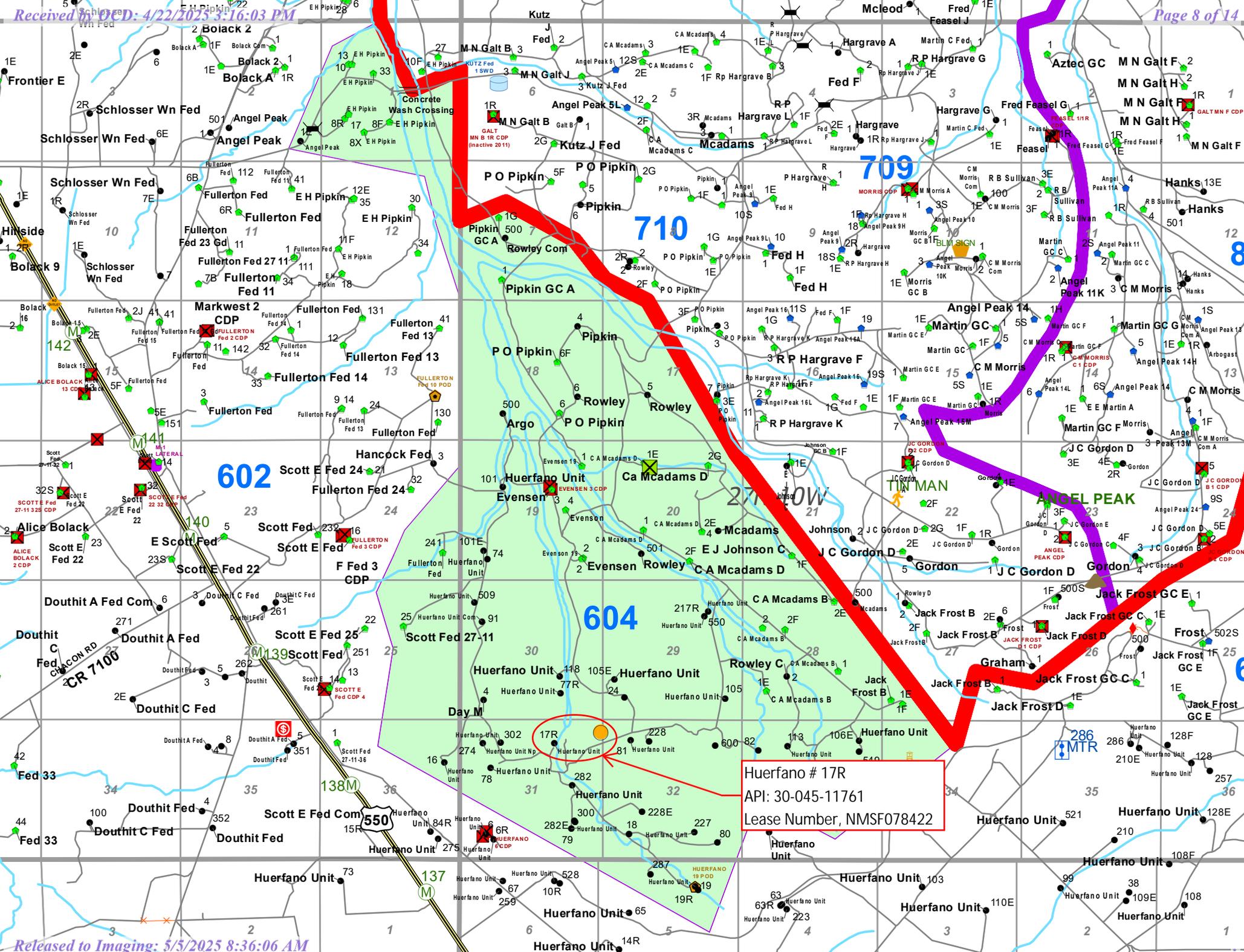
- 4.1) The main lease access road is approximately ~290 feet long.
- 4.2) Rip and re-contour ~290 feet of lease access road up to main road with shallow swells, berms, and or silt traps as needed to match natural topography drainage features.
- 4.3) All trash and debris will be removed within 50' buffer outside of the road disturbance during reclamation.

5. SEEDING PROCEDURE

- 5.1) A BLM Badlands seed mix will be used for all reclaimed and disturbed areas of the well pad.
- 5.2) Drill seeding 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.
- 5.3) Timing of the seeding will take place when the ground is not frozen or saturated.

6. WEED MANAGEMENT

- 6.1) No action is required at this time for weed management, no noxious weeds were identified during the onsite.



Huerfano # 17R
 API: 30-045-11761
 Lease Number, NMSF078422

Huerfano Unit # 17R

Well Pad Reclamation

Legend

 36.53655, -107.93355

 36.53655, -107.93355

Rip compacted soil and walk down all disturbed portion of well pad.

Rip and re-contour ~290 feet of lease access road up to main road with shallow swells, berms, and or silt traps as needed to match natural topography drainage features.



**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.

BLM - FFO - Geologic Report

Date Completed 4/18/2025

Well No.	Huerfano Unit No. 17R	Surf. Loc.	900	FNL	1850	FEL
Lease No.	NMSF078422	Sec		31	T27N	R10W
Agrmt No.	NMNM78395A					
Operator	Hilcorp Energy Company	County	San Juan	State	New Mexico	
TVD	1733	PBSD	1733	Formation:	Pinion Fruitland Sand	
Elevation	GL			Elevation	Est. KB	6042

Geologic Formations	Est. tops	Subsea Elev.	Remarks
Nacimiento Fm.	Surface		Surface /fresh water sands
Ojo Alamo Ss	580	5462	Fresh water aquifer
Kirtland Fm.	746	5296	
Fruitland Fm.	1372	4670	Coal/gas/possible water
Pictured Cliffs	1632	4410	Possible gas/water

Remarks:

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

Reference Well:

Hilcorp Energy Co.
Same

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

April 21, 2025

Notice of Intent – Plug and Abandonment

Operator: Hilcorp Energy Company
Lease: NMSF078422
Agreement: NMNM78395A
Well(s): Huerfano Unit 17R, US Well # 30-045-11761
Location: NWNE Sec 31 T27N R10W (San Juan County, NM)
Sundry Notice ID #: 2847587

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 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 4/21/2025

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 454456

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 454456
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	NMOCD agrees with BLM formation tops - Notify NMOCD 24 hours prior to moving on - monitor string pressures daily - report on subsequent - submit all logs prior to subsequent	5/5/2025