

Well Name: HUERFANITO UNIT	Well Location: T27N / R9W / SEC 25 / NWSW / 36.5430518 / -107.7450892	County or Parish/State: SAN JUAN / NM
Well Number: 82	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name: EASTERN NAVAJO
Lease Number: I149IND8473	Unit or CA Name: HUERFANITO UNIT--DK, HUERFANITO UNIT--MV	Unit or CA Number: NMNM78394B, NMNM78394C
US Well Number: 3004512189	Operator: HILCORP ENERGY COMPANY	

Notice of Intent

Sundry ID: 2838729

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 02/25/2025	Time Sundry Submitted: 01:20
Date proposed operation will begin: 03/12/2025	

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 02/19/2025 with Roger Herrera (BLM), Laverne Jaquez (BIA, FIMO) 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_02_19_HUERFANITO_UNIT_82_P_A_NOI_20250225131929.pdf

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US Well Number: 3004512189	Operator: HILCORP ENERGY COMPANY	

Conditions of Approval

Additional

2838729_NOI_PnA_Huerfanito_Unit_82_3004512189_MHK_02.27.2025_20250227094843.pdf

General_Requirement_PxA_20250227092249.pdf

Huerfanito_82_P_A_GeoReport_20250226152332.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: FEB 25, 2025 01:20 PM
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: 02/27/2025
Signature: /s/ Matthew Kade	

HILCORP ENERGY COMPANY

HUERFANITO UNIT 82

P&A NOI



API #:	3004512189
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JOB PROCEDURES

3 Separate CBL's for this well show good cement at the following depths:

1,830' - 2,640' based on 2003 CBL

3,660' - 4,300' based on 2003 CBL

4,700' - 6,880' based on 1993 and 1995 CBL's

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.
4. Unseat rod pump and POOH w/ pump and rods. NU and test BOP. Unland tubing and POOH w/ tubing.
5. PU workstring and TIH w/ a bit/scrapper to 6,550'. POOH.
6. PU **5-1/2"** CIBP or CICR and set at **+/- 6,525'** to isolate the **DK** Perfs.
7. Get accurate fluid level before pumping cement due to open perfs above.
8. **PLUG #1: 18sx of Class G Cement (15.8 PPG, 1.15 yield); DK Perfs @ 6,536' | DK Top @ 6,598' | GRN Top @ 6,490':**
Pump an 18 sack balanced cement plug inside the 5-1/2" casing (est. **TOC @ +/- 6,375'** & est. **BOC @ +/- 6,525'**). 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 **+/- 5530'**. Get accurate fluid level before pumping cement due to open perfs above.
10. **PLUG #2: 18sx of Class G Cement (15.8 PPG, 1.15 yield); GAL Top @ 5,630':**
Pump an 18 sack balanced cement plug inside the 5-1/2" casing (est. **TOC @ +/- 5,530'** & est. **BOC @ +/- 5,680'**). *Note cement plug lengths & volumes account for excess.
11. POOH w/ work string. TIH and set a **5-1/2" CICR** at **+/- 4,450'** to isolate the **MV** Perfs. Sting into CICR and attempt to establish injection.
12. **PLUG #3: 203sx of Class G Cement (15.8 PPG, 1.15 yield); DV Tool #1 Top @ 4,707' | MCS Top @ 4,600' | MV Perfs @ 4,470' | MV Top @ 3,732':**
Pump 61sx of cement in the 5-1/2" casing X 7-7/8" open hole annulus (est. **TOC @ +/- 4,300'** & est. **BOC @ +/- 4,700'**). Pump an additional 46sx of cement beneath the 5-1/2" CICR (est. **TOC @ +/- 4,450'** & est. **BOC @ +/- 4,839'**). Sting out of retainer, pump a 96 sack balanced cement plug on top of the CICR. (est. **TOC @ +/- 3,632'** & est. **BOC @ +/- 4,450'**). WOC for 4 hrs, tag TOC w/ work string. *Note cement plug lengths & volumes account for excess. (Outside plug cement calculated from 4,300'-4,700' based on good cement above 4,300' and below 4,700' via the CBL).
13. POOH w/ work string. RIH and set a **5-1/2" CICR** at **+/- 3,044'** to isolate the **CHC** Perfs. Sting into CICR and attempt to establish injection.
14. **PLUG #4: 98sx of Class G Cement (15.8 PPG, 1.15 yield); CHC Perfs @ 3,064' | CHC Top @ 3,060':**
Pump 55sx of cement in the 5-1/2" casing X 7-7/8" open hole annulus (est. **TOC @ +/- 2,910'** & est. **BOC @ +/- 3,270'**). Pump an additional 27sx of cement beneath the 5-1/2" CICR (est. **TOC @ +/- 3,044'** & est. **BOC @ +/- 3,270'**). Sting out of retainer, pump a 16 sack balanced cement plug on top of the CICR. (est. **TOC @ +/- 2,914'** & est. **BOC @ +/- 3,044'**). WOC for 4 hrs, tag TOC w/ work string. *Note cement plug lengths & volumes account for excess. (Moved CICR down to 20' above Chacra perfs to be closer to Chacra Top).
15. PUH w/ workstring to **+/- 2,386'**.
16. **PLUG #5: 38sx of Class G Cement (15.8 PPG, 1.15 yield); DV Tool #2 Top @ 2,336' | PC Top @ 2,160':**
Pump a 38 sack balanced cement plug inside the 5-1/2" casing (est. **TOC @ +/- 2,060'** & est. **BOC @ +/- 2,386'**). *Note cement plug lengths & volumes account for excess.
17. TOO H w/ workstring. TIH & perforate squeeze holes @ **+/- 1,825'**. RIH w/ **5-1/2" CICR** and set CICR @ **+/- 1,775'**. TIH w/ work string & sting into CICR. Establish injection.
18. **PLUG #6: 188sx of Class G Cement (15.8 PPG, 1.15 yield); FRD Top @ 1,793' | KRD Top @ 1,420' | OJO Top @ 1,276':**
Pump 110sx of cement in the 5-1/2" casing X 7-7/8" open hole annulus (est. **TOC @ +/- 1,105'** & est. **BOC @ +/- 1,830'**). Pump an additional 8sx of cement beneath the 5-1/2" CICR (est. **TOC @ +/- 1,775'** & est. **BOC @ +/- 1,843'**). Sting out of retainer, pump a 70 sack balanced cement plug on top of the CICR. (est. **TOC @ +/- 1,176'** & est. **BOC @ +/- 1,775'**). WOC for 4 hrs, tag TOC w/ work string. *Note cement plug lengths and volumes account for excess. (Perforations moved up to 1,825' to be above TOC at 1,830').
19. TOO H w/ workstring. TIH & perforate squeeze holes @ **+/- 373'**. Establish circulation.
20. **PLUG #7: 117sx of Class G Cement (15.8 PPG, 1.15 yield); Surf. Casing Shoe @ 298' | 7" x 5.5" Crossover @ 323':**
Pump 12sx of cement in the 5-1/2" casing X 7-7/8" open hole annulus (est. **TOC @ +/- 298'** & est. **BOC @ +/- 373'**). Continue pumping 46sx of cement in the 7" casing X 9-5/8" casing annulus (est. **TOC @ +/- 0'** & est. **BOC @ +/- 298'**). Pump an 72 sack balanced cement plug inside the 7" casing (est. **TOC @ +/- 0'** & est. **BOC @ +/- 373'**). *Note cement plug lengths and volumes account for excess. Perforating 50' below crossover.
21. 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

HUERFANITO UNIT 82

P&A NOI

HUERFANITO UNIT 82 - CURRENT WELLBORE SCHEMATIC



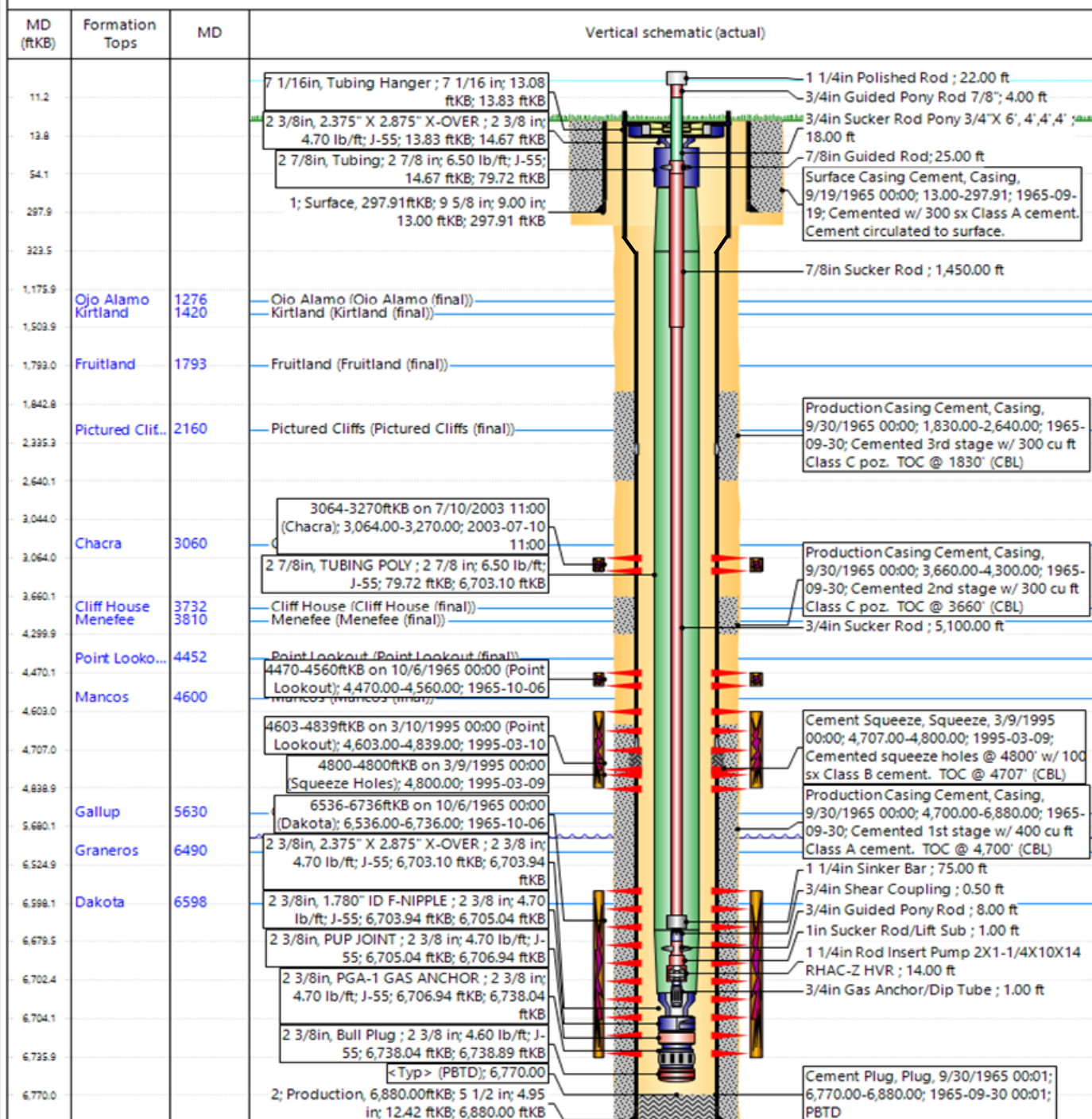
Hilcorp Energy Company

P&A WBD - Current Schematic

Well Name: HUERFANITO UNIT #82

API / UWI 3004512189	Surface Legal Location 025-027N-009W-L	Field Name BSN DK(RO GAS)	#0068	Route 0809	State/Province NEW MEXICO	Well Configuration Type VERTICAL
Ground Elevation (ft) 6,268.00	Original KB/RT Elevation (ft) 6,281.00	Tubing Hanger Elevation (ft)		KB to GL (ft) 13.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)

Original Hole [VERTICAL]



HUERFANITO UNIT 82 - PROPOSED WELLBORE SCHEMATIC

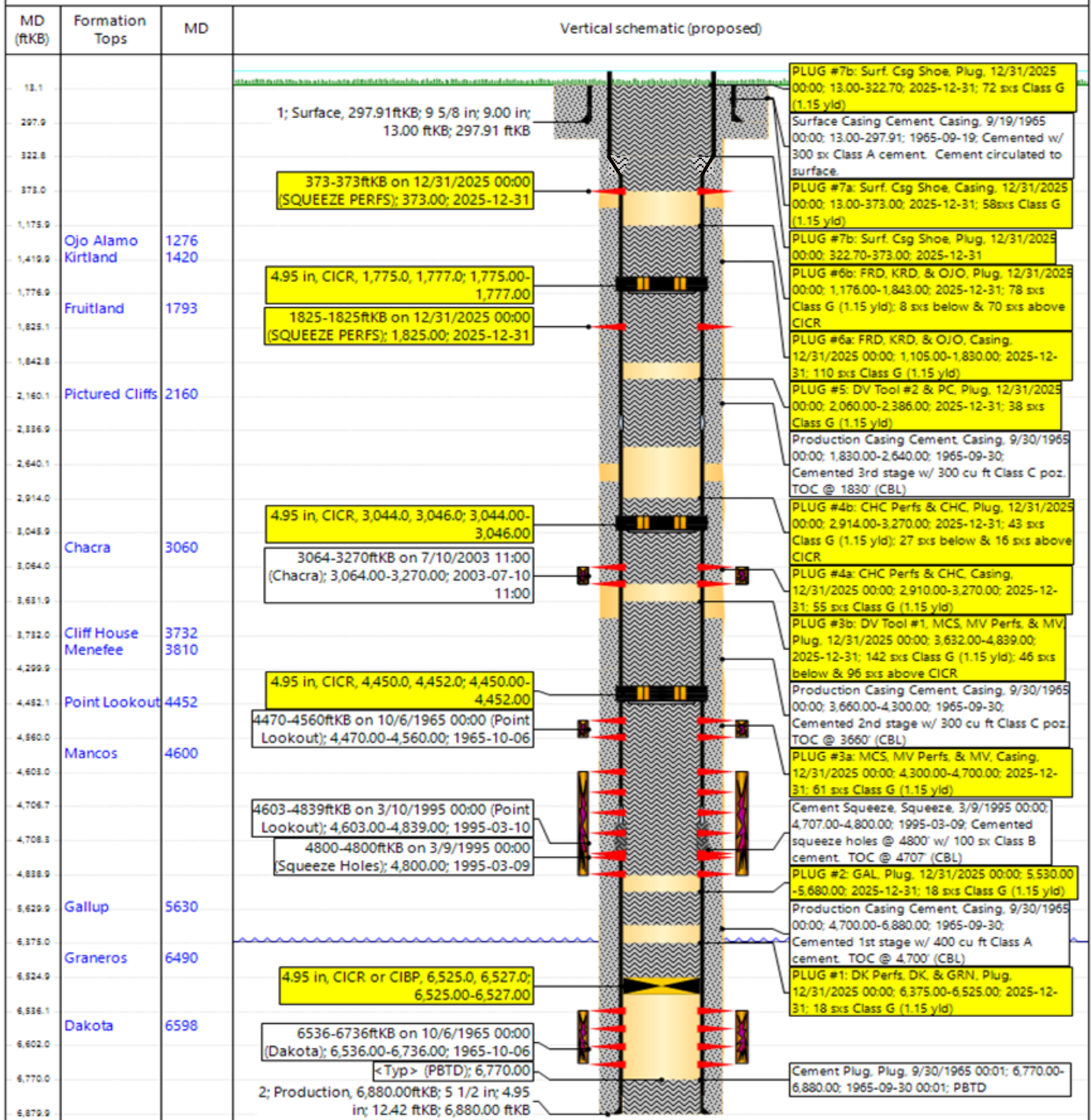


P&A WBD - Proposed Schematic

Well Name: HUERFANITO UNIT #82

API / UWI 3004512189	Surface Legal Location 025-027N-009W-L	Field Name BSN DK(PRO GAS)	#0068	Route 0809	State/Province NEW MEXICO	Well Configuration Type VERTICAL
Ground Elevation (ft) 6,268.00	Original KB/RT Elevation (ft) 6,281.00	Tubing Hanger Elevation (ft)		RKB to GL (ft) 13.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)

Original Hole [VERTICAL]



Hilcorp Energy
P&A Final Reclamation Plan
Huerfanito # 82
API: 30-045-12189
Lease Number, I-149-IND-8473
Sec.25-T027N-R09W-Unit L
Lat: 36.543035, Long: -107.745668
Footage: 1550' FSL & 990' FWL
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 February 19, 2025:

- Roger Herrera with the BLM
- Laverne Jaquez with the BIA, FIMO
- 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 striped and removed.
- 3.3) All electrical equipment will be stripped and removed from the location.
- 3.4) A pipeline strip request will be sent to Enterprise Product after the well is plugged.
- 3.5) 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.
- 3.6) 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.
- 3.7) The Cathodic ground beds on the Huerfanito #82 and #46R will be plugged and abandoned.
- 3.8) Strip topsoil, stockpile, and distribute across pad after contour work completed.

- 3.9) Push fill on southern side of well pad into western cut slope and re-contour with shallow swales and or silt traps for major drainage to create a rolling terrain that matches natural topography drainage features to limit erosion.
- 3.10) Rip compacted soil and walk down all disturbed portion of well pad.
- 3.11) Install Approximately 350' of fencing on the southern side of the well pad reclamation to limit traffic on the reclamation.
- 3.12) All trash and debris will be removed within 50' buffer outside of the location disturbance during reclamation.

4. ACCESS ROAD RECLAMATION PROCEDURE:

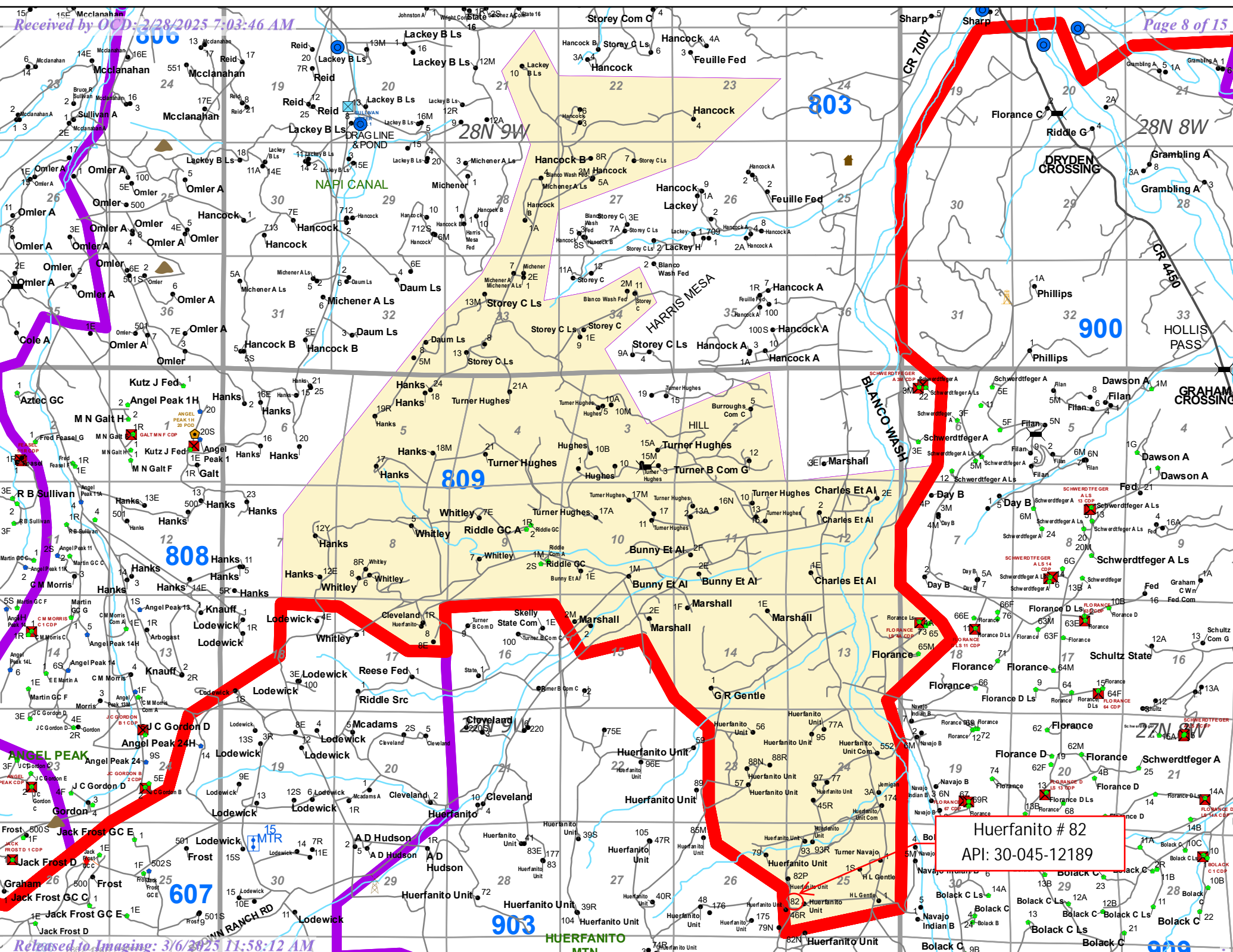
- 4.1) There is no lease access road to reclaim, the lease access road runs through the center of the well pad which is a main lease access road to other well sites.
- 4.2) All trash and debris will be removed within 50' buffer outside of the road disturbance during reclamation.

5. SEEDING PROCEDURE

- 5.1) A Pinion/Juniper 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.



Huerfanito # 82

Locaton overview

Legend

 36.543035, -107.745668

Install Approximately 350' of fencing on the southern side of the well pad reclamation to limit traffic on the reclamation.

345.85 ft
36.543035, -107.745668

Push fill on southern side of well pad into western cut slope and re-contour with shallow swales and or silt traps for major drainage to create a rolling terrain that matches natural topography drainage features to limit erosion.

**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: Feb 26 2025

Well No.
API
Operator
Elevation (GF)
Lease #

Huerfanito Unit #82
30-045-12189
Hilcorp Energy Co.
6268
N/A

Surf. Loc.

County

790
T. 27 N
San Juan

FNL
R. 09 W

State

1190
Section 25
NM

Geologic Formations	Tops	Remarks
Ojo Alamo	1131	F/W Sands
Kirtland	1416	
Fruitland	1896	Coal, Gas
Pic. Cliffs	2168	
Chacra	3067	Gas
Cliffhouse	3732	Gas
Menefee	3841	Poss. Coal
Pt. Lookout	4459	
Mancos	4631	
Gallup	5662	Gas
Graneros	6490	
Dakota	6598	Oil, Gas

Remarks: Please adjust plugs to account for BLM-picked formation tops.



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

February 27, 2025

Notice of Intent - Plug and Abandonment

Operator: Hilcorp Energy Company
Lease: I149IND8473
Agreements: NMNM78394B, NMNM78394C
Well(s): Huerfanito Unit 82, API # 30-045-12189
Location: NWSW Sec 25 T27N R9W (San Juan County, NM)
Sundry Notice ID#: 2838729

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. **The following modifications to your plugging program are made:**
 - a. Adjust Plug 2 (Gallup) to cover the BLM geologist's Gallup formation top pick @ 5662'. Plug should cover at a minimum 5562' – 5712', estimate minimum 18 sx.
 - b. Adjust Plug 6 (Fruitland/Kirtland/Ojo) to cover the BLM geologists Fruitland, Kirtland, and Ojo Alamo formation top picks @ 1896', 1416', and 1131', respectively. Plug should cover at minimum 1031' – 1946'.
 - i. May split into two plugs based on CBL, covering Fruitland formation (Inside 1796' – 1946') and Kirtland/Ojo Formations (Inside/Outside 1031' - 1466'). Fruitland plug may be combined with DV#2/Picture Cliffs plug in this case.
3. **Notification:** Farmington Field Office is to be notified at least 24 hours before the plugging operations commence at (505) 564-7750.
4. Additional changes to procedure, before or during plugging, should be sent through email to Kenneth Rennick (krennick@blm.gov) and Matthew Kade (mkade@blm.gov) for approval. Verbal approvals may be given and should be followed up with an email documenting the requested changes.
5. If a CBL is run, send a copy to Kenneth Rennick (krennick@blm.gov) and Matthew Kade (mkade@blm.gov)

6. **Deadline of Completion of Operations:** Complete the plugging operation before February 27, 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.

Matthew Kade (mkade@blm.gov/505-564-7736) / 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 437201

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 437201
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	Tribal - approved for record only	3/6/2025