

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

Well Name: HUERFANITO UNIT

Well Location: T26N / R9W / SEC 10 / SWNE / 36.5055073 / -107.7725583

County or Parish/State: SAN JUAN / NM

Well Number: 70R

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMSF078135

Unit or CA Name: HUERFANITO UNIT--PC

Unit or CA Number: NMNM78394A

US Well Number: 3004529436

Operator: HILCORP ENERGY COMPANY

Notice of Intent

Sundry ID: 2788925

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 05/08/2024

Time Sundry Submitted: 07:21

Date proposed operation will begin: 05/29/2024

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 05/07/2024 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_04_25__HUERFANITO_UNIT_70R__PA_NOI_20240508072018.pdf

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Conditions of Approval

Specialist Review

Huerfanito_Unit_70R_Geo_KR_20240509080843.pdf

2788925_NOIA_70R_3004529436_KR_05092024_20240509080843.pdf

General_Requirement_PxA_20240509080826.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: MAY 08, 2024 07:20 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: 05/09/2024

Signature: Kenneth Rennick



HILCORP ENERGY COMPANY
HUERFANITO UNIT 70R
P&A NOI

API #: 3004529436

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 3-1/2" CIBP or CICR at +/- 1,957' 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 +/- 1,957'.
8. **PLUG #1: 11sx of Class G Cement (15.8 PPG, 1.15 yield); PC Perfs @ 2,007' | PC Top @ 2,006' | FRD Top @ 1,802':**
 Pump an 11 sack balanced cement plug inside the 3-1/2" casing (est. TOC @ +/- 1,702' & est. BOC @ +/- 1,957'). 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 +/- 1,362'.
10. **PLUG #2: 9sx of Class G Cement (15.8 PPG, 1.15 yield); KR D Top @ 1,312' | OJO Top @ 1,263':**
 Pump a 9 sack balanced cement plug inside the 3-1/2" casing (est. TOC @ +/- 1,163' & est. BOC @ +/- 1,362'). *Note cement plug lengths & volumes account for excess.
11. POOH w/ work string to +/- 452'.
12. **PLUG #3: 19sx of Class G Cement (15.8 PPG, 1.15 yield); NAC Top @ 402' | Surf. Casing Shoe @ 135':**
 Pump a 19 sack balanced cement plug inside the 3-1/2" casing (est. TOC @ +/- 0' & est. BOC @ +/- 452').
13. 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
HUERFANITO UNIT 70R
P&A NOI

HUERFANITO UNIT 70R - CURRENT WELLBORE SCHEMATIC

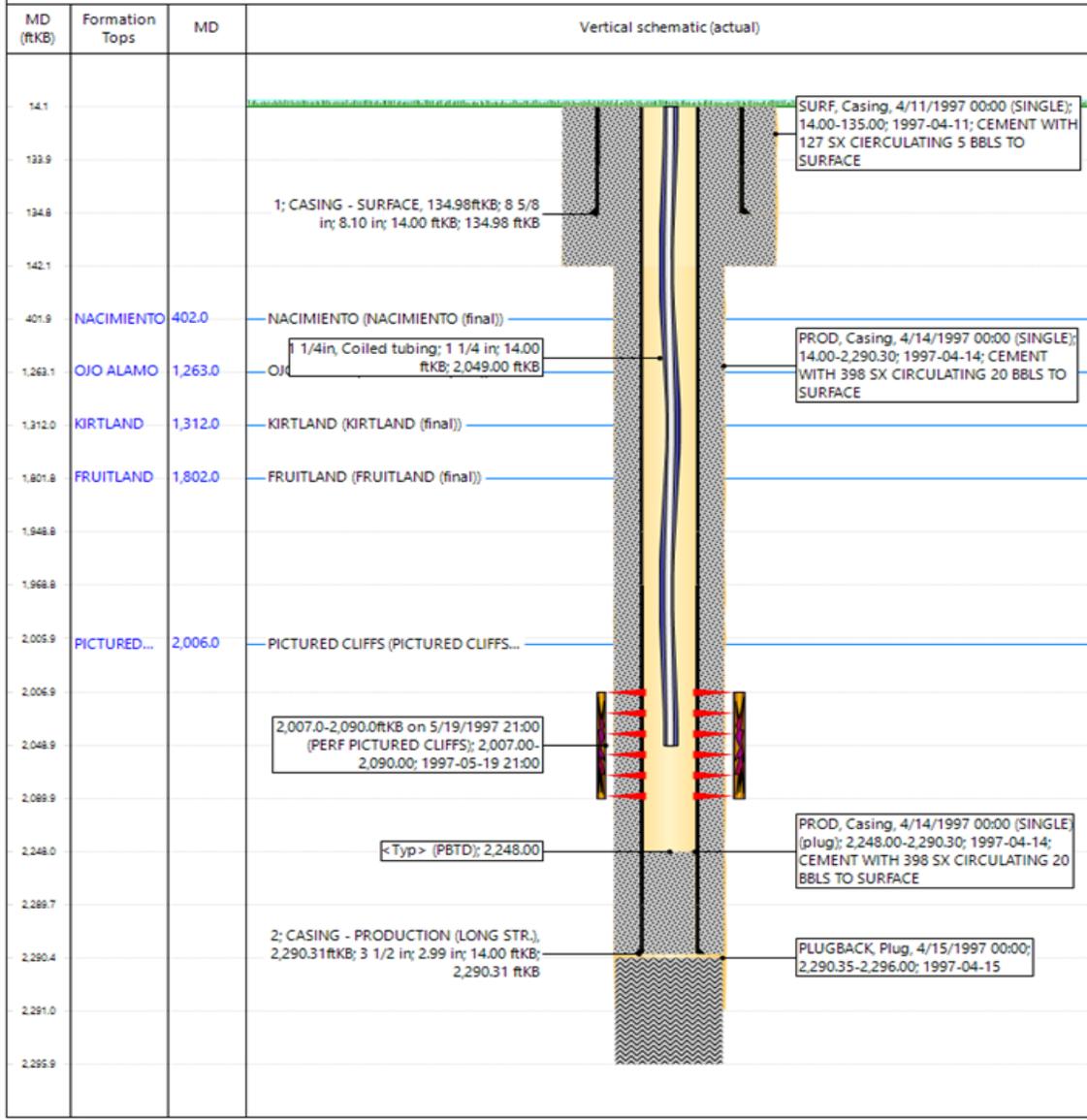


P&A WBD - Current Schematic

Well Name: **HUERFANITO UNIT #70R**

API / UWI 3004529436	Surface Legal Location 010-026N-009W-G	Field Name BALLARD PICTURED CLIFFS #0080	Route 0608	State/Province NEW MEXICO	Well Configuration Type VERTICAL
Ground Elevation (ft) 6,293.00	Original KBRT Elevation (ft) 6,307.00	Tubing Hanger Elevation (ft)	RKB to GL (ft) 14.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)

Original Hole [VERTICAL]





**HILCORP ENERGY COMPANY
HUERFANITO UNIT 70R
P&A NOI**

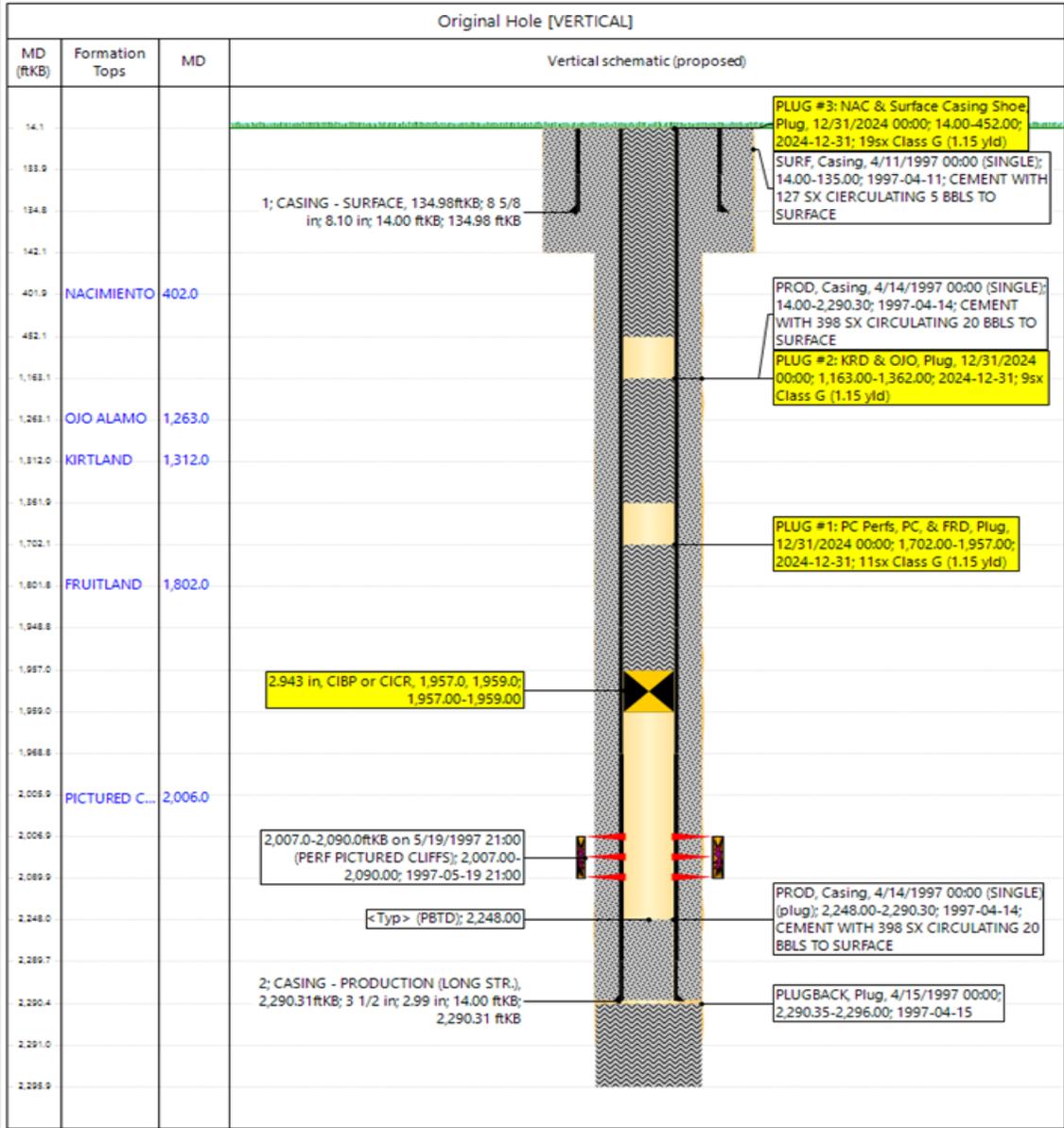
HUERFANITO UNIT 70R - PROPOSED WELLBORE SCHEMATIC



P&A WBD - Proposed Schematic

Well Name: HUERFANITO UNIT #70R

API / UWI 3004529436	Surface Legal Location D10-026N-009W-G	Field Name BALLARD PICTURED CLIFFS 8060	Route 0608	State/Province NEW MEXICO	Well Configuration Type VERTICAL
Ground Elevation (ft) 6,293.00	Original KB/RT Elevation (ft) 6,307.00	Tubing Hanger Elevation (ft)	RKB to GL (ft) 14.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)



Hilcorp Energy
P&A Final Reclamation Plan
Huerfanito Unit 70R
API: 30-045-29436
T26N-R9W-Sec. 10-Unit G
LAT: 36.50547 LONG: -107.7725 NAD 27
Footage: 1610' FNL & 1645' FEL
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 North Construction Foreman on May 7, 2024.

2. LOCATION RECLAMATION PROCEDURE

1. Final reclamation will occur in Summer.
2. Removal of all equipment, compressor, anchors, flowlines and meter run.
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. Pad is on contour with surroundings. Rip, disk and seed.
6. Add silt traps if needed.
7. Meter run will be removed. Pipeline will be stripped back to edge of disturbance.

3. ACCESS ROAD RECLAMATION PROCEDURE

1. Access road will be closed by water barring.
2. Access will be ripped, disked and seeded.

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.

**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 5/9/2024

Well No.	Huerfanito Unit 70 R	Surf. Loc.	1610	FNL	1645	FEL
US Well No.	30-045-29436	Sec.	10	T. 26N	R. 9W	
Lease No.	NMSF078135					
Agrmt #	NMNM78394A	County	San Juan	State	NM	
Operator	Hilcorp Energy Company	Formation	Ballard Pictured Cliffs			
TVD	2296 PBDT	Elevation KB	2248	NA		
Elevation GL						

Geologic Formations	Est. tops	Remarks
Nacimiento Fm.	402	Surface/ fresh water sands
Ojo Alamo Ss.	980	Fresh water aquifer
Kirtland Fm.	1312	
Fruitland Fm.	1802	Coal/gas/possible water
Pictured Cliffs	2006	Possible gas/water

Remarks:

Reference Well:

<p>The available induction log and the reference well indicates that the top of Ojo Alamo may be located higher than the location selected by the operator. Adjust the top of Plug 2 to 880 ft to account for the BLM selected Ojo Alamo top at 980 ft.</p>	<p>Huerfanito Unit 80 US Well No. 30-045-05970 Sec 10 T 26N R 9W San Juan County, New Mexico</p>
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Prepared by: Kenneth Rennick

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

AFMSS 2 Sundry ID 2788925

Attachment to notice of Intention to Abandon

Well: Huerfanito Unit 70R

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 2 to 880 ft to account for the BLM selected Ojo Alamo top at 980 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 05/09/2024

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 342424

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 342424
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	Notify NMOCD 24 hours prior to moving on - monitor string pressures daily report on subsequent - Submit all logs prior to subsequent - NMOCD concurs with BLM picks for formation tops	5/23/2024