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

Sundry Print Report

03/15/2022

Well Name: HUERFANITO UNIT

Well Location: T27N / R9W / SEC 22 / SWNW / 36.562347 / -107.780853

County or Parish/State: SAN JUAN / NM

Well Number: 75

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMSF078356

Unit or CA Name: HUERFANITO UNIT--DK

Unit or CA Number: NMNM78394B

US Well Number: 3004506377

Well Status: Producing Gas Well

Operator: HILCORP ENERGY COMPANY

Notice of Intent

Sundry ID: 2654228

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 01/26/2022

Time Sundry Submitted: 11:49

Date proposed operation will begin: 02/09/2022

Procedure Description: Hilcorp Energy Company requests permission to P&A the subject well per the attached procedures, current and proposed wellbore schematics. The Pre-Disturbance Site Visit was held on 1/21/2022 with Bob Switzer/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

Plug_and_Abandonment_Procedure___Huerfanito_Unit_75_20220126114757.pdf

Huerfanito_Unit_75_Reclamation_Plan_20220126114757.pdf

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Conditions of Approval

Additional Reviews

27N09W22EKd_Huerfanito_Unit_75_20220314140415.pdf

Operator Certification

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 submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: KANDIS ROLAND

Signed on: JAN 26, 2022 11:48 AM

Name: HILCORP ENERGY COMPANY

Title: Operation Regulatory Tech

Street Address: 382 Road 3100

City: Farmington **State:** NM

Phone: (505) 599-3400

Email address: kroland@hilcorp.com

Field Representative

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: 03/14/2022

Signature: Kenneth Rennick

Plug and Abandonment - NOI

Huerfanito 75

API # - 3004506377

Procedure:

Hold PJSM prior to beginning any and all operations. Properly document all operations via the JSA process. Ensure that all personnel onsite abide by HEC safety protocol, including PPE, housekeeping, and standard guidelines.

Verify cathodic protection is off and wellhead instrumentation is properly disconnected from the wellhead. Comply with all NMOCD, BLM, and HEC safety and environmental regulations.

Verify there is no H2S present prior to beginning operations. If any H2S is present, take the necessary actions to ensure that the location is safe prior to beginning operations.

Observe and record pressures across all string daily, prior to beginning operations. **Remember to notify NMOCD 24 hours prior to starting operations on location.**

NOTE: **This procedure is contingent upon P&A sundry approval by NMOCD**. All cement volumes use 100% excess outside pipe and 50’ excess inside (unless otherwise stated). All cement will be Class G, mixed at 15.8 ppg w/ a 1.15 cf/sx yield. The stabilizing wellbore fluid will be an 8.3 ppg fluid, sufficient to balance all exposed formation pressures.

1. This project will use a steel tank to handle waste fluids circulated from the well and cement wash up.
2. Test anchors if not using a base beam. Comply with all NMOCD, BLM, and HEC safety regulations. MIRU and conduct safety meeting for all personnel on location.
3. Record casing, tubing, and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary. Ensure well is dead or on a vacuum.
4. ND wellhead and NU BOP, scan tubing out to use as work string.
5. RUWL and make GR run to 6634’ (top perf).
6. RIH and set CIBP at 6624’. POOH WL.
7. RIH tubing and fill and roll hole to prep for CBL. Stand back pipe.
8. Run CBL from 6620’ to surface.
9. Adjust plugs in accordance with BLM/NMOCD rules with approval from both agencies based on CBL results.
10. **Plug #1, 6624’ - 6594’ (Dakota Top: 6634’)**
11. RIH with tubing and spot 30’ of cement on CIBP to make TOC 6594’
12. Circulate plug mud to 5766’
13. **Plug #2, 5766’ - 5666’ (Gallup Top: 5716’)**
14. Circulate cement from 5766’-5666’ (1.59 bbl)

15. Circulate plug mud to 3819’
16. **Plug #3, 3819’ - 3719’ (Mesaverde Top: 3769’)**
17. Circulate cement from 3819’-3719’ (1.59 bbl)
18. Circulate plug mud to 2285’
19. **Plug #4, 2285’ – 2185’ (Pictured Cliffs: 2235’)**
20. Circulate cement from 2285’-2185’ (1.59 bbl)
21. Circulate plug mud to 1959’
22. **Plug #5, 1959’ – 1859’ (Fruitland: 1909’)**
23. Circulate cement from 1959’-1859’ (1.59 bbl)
24. Circulate plug mud to 1497’
25. **Plug #6, 1497’ – 1257’ (Kirtland: 1447’, Ojo Alamo: 1307’)**
26. Circulate cement from 1497’-1257’ (3.82 bbl)
27. Circulate plug mud to 255’
28. Lay down tubing. RUWL, perforate at 255’, RDMO WL.
29. **Plug #7, 255’ - Surface (Surface Shoe: 205’)**
30. Bullhead down casing and circulate out bradenhead. Volume of 14 bbl. will pump 28 bbl. minimum to cover excess.
31. ND BOP and cut off wellhead below surface casing flange per regulation. Top off w/cement if needed. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location.

Hilcorp Energy Company

Schematic - Current

Well Name: HUERFANITO UNIT #75

API / UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type
3004506377	022-027N-009W-E	BSN DK(PRO GAS) #0065	078356	NEW MEXICO	VERTICAL

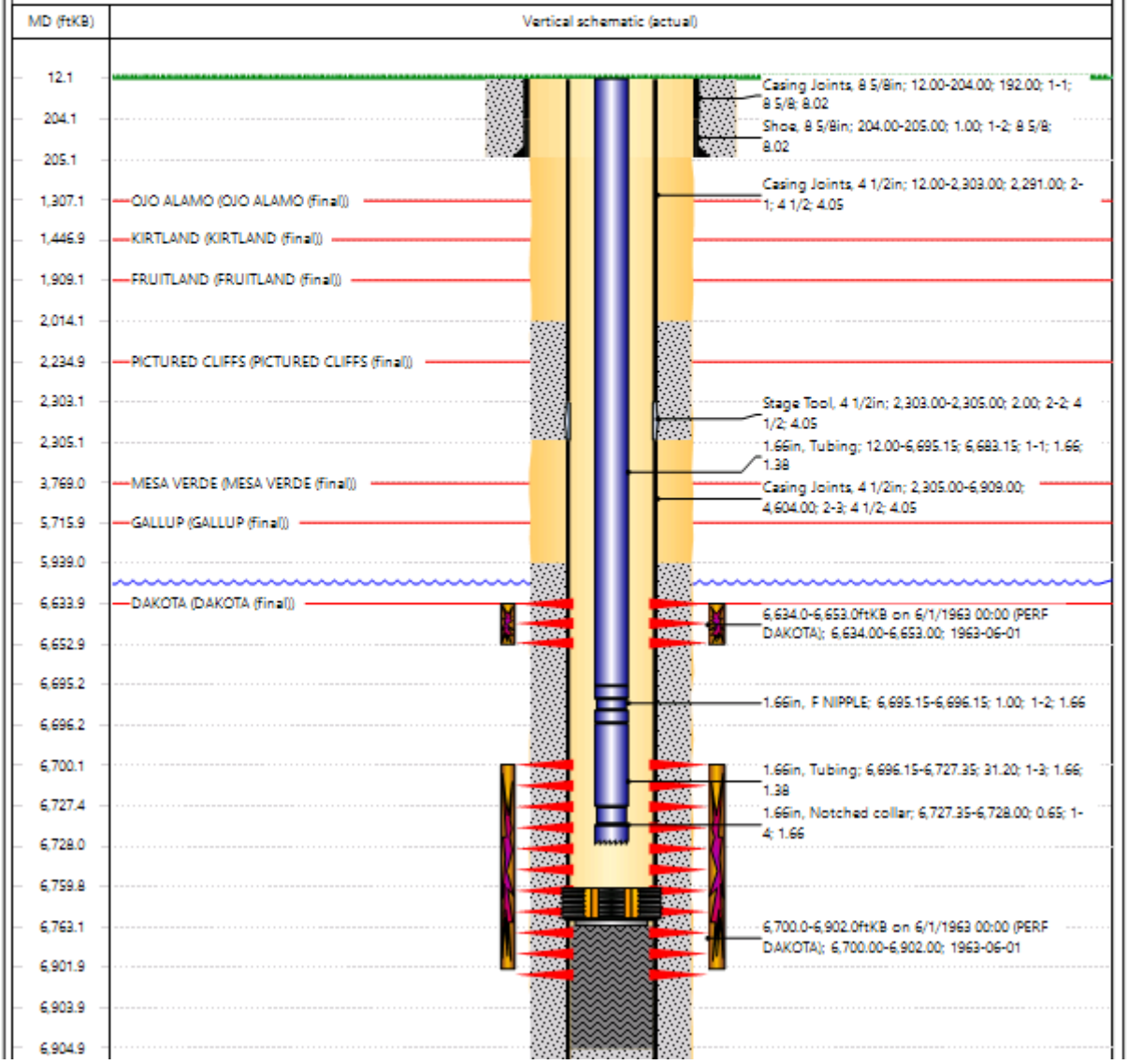
Original KB/RT Elevation (ft)	KB-Ground Distance (ft)	Original Spud Date	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB)
6,303.00	12.00	5/6/1963 00:00	2/6/1994 06:00	Original Hole - 6,760.0	

Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Actual Start Date	End Date
FACILITIES	SURFACE EQUIPMENT	SURFACE EQUIPMENT	1/31/1994	2/6/1994

TD: 6,910.0

Original Hole [VERTICAL]



Hilcorp Energy Company

Proposed

Well Name: HUERFANITO UNIT #75

API / UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type
3004506377	022-027N-009W-E	BSN DK(PRO GAS) 4C055	078356	NEW MEXICO	VERTICAL

Original KB/RT Elevation (ft)	KB-Ground Distance (ft)	Original Spud Date	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB)
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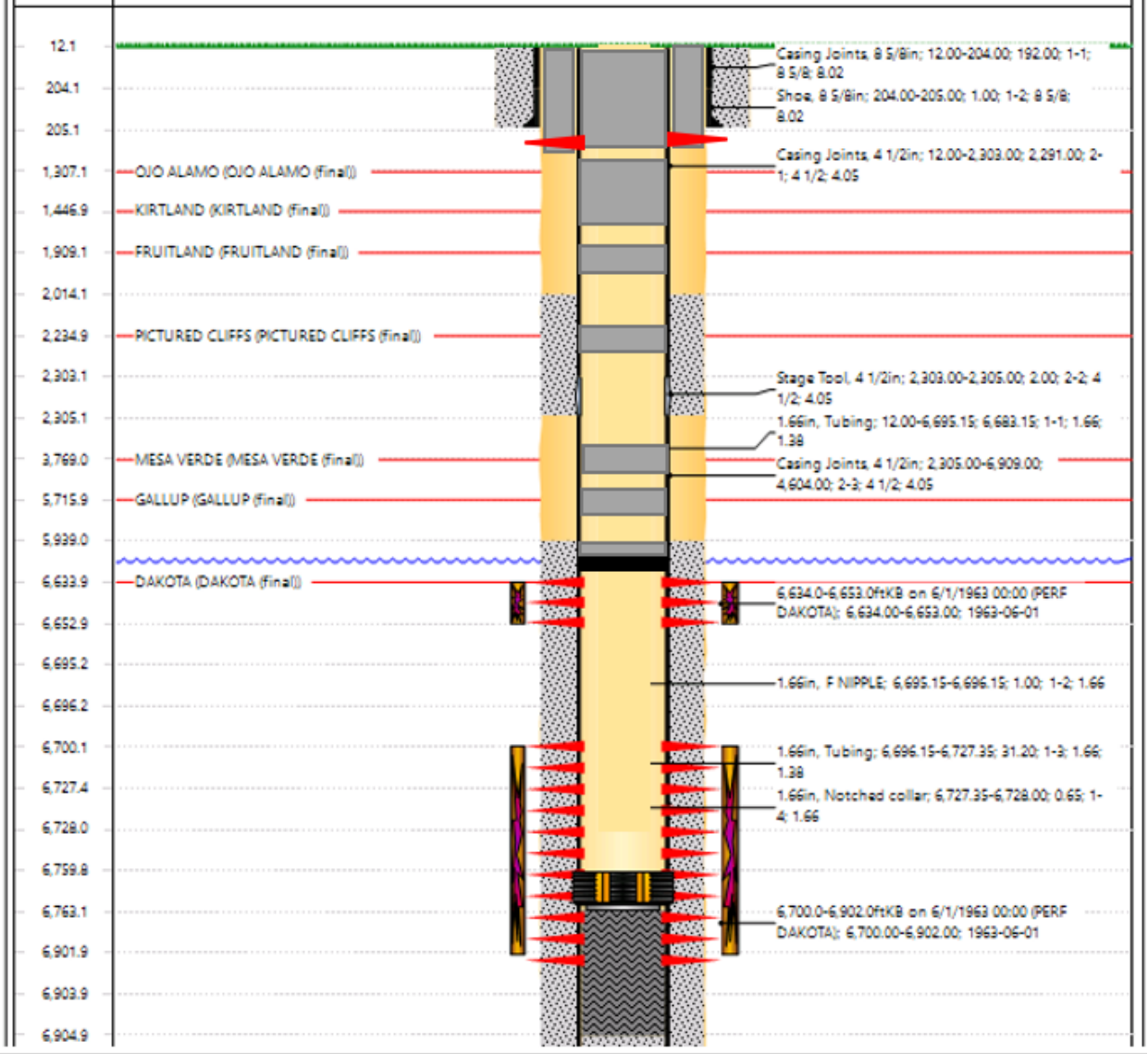
Original Hole [VERTICAL]



Hilcorp Energy
P&A Final Reclamation Plan
Huerfanito Unit 75
API: 30-045-06377
T27N-R9W-Sec. 22-Unit E
LAT: 36.56235 LONG: -107.78085 NAD 27
Footage: 2050' FNL & 1000' FWL
San Juan County, NM

1. **PRE- RECLAMATION SITE INSPECTION**

A pre-reclamation site inspection was completed with Bob Switzer from the BLM, Mike Raney with Enterprise, and Eufracio Trujillo, Hilcorp Energy SJ South Construction Foreman on January 21, 2022.

2. **LOCATION RECLAMATION PROCEDURE**

1. Reclamation work will begin in Spring.
2. Removal of all equipment, anchors, and flowlines.
3. All trash and debris will be removed within a 50' buffer outside of the location disturbance during reclamation.
4. BGT will be sampled and closed after meeting closure standards.
5. Location will need to be recontoured by pushing fill into Southwestern edge of hill.
6. The diversion for the wash will be left in on the Southeastern corner.
7. Remove all gravel from berms, pads, and meter run and bury in toe of cut.
8. Enterprise will barricade and blind riser and remove meter run.

3. **ACCESS ROAD RECLAMATION PROCEDURE**

1. The well access road will be blocked at the entrance with a berm.
2. Reclaim road by ripping and broadcast seeding.
3. A diversion ditch will be put along the edge of lease road to deter driving on reclaimed area.

4. **SEEDING PROCEDURE**

1. A Pinon/Juniper/Sagebrush seed mix will be used for all reclaimed and disturbed areas of the well pad and lease road.
2. Overseeding of location will take place where needed.
3. 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.
4. 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.

BLM FLUID MINERALS
P&A Geologic Report

Date Completed: 03/14/2022

Well No. Huerfanito Unit #75 (API# 30-045-06377)		Location	2050	FNL	&	1000	FWL
Lease No. NMSF- 078356		Sec. 22	T27N			R09W	
Operator Hilcorp Energy Company		County	San Juan		State	New Mexico	
Total Depth 6910’	PBTD	Formation	Dakota				
Elevation (GL) 6291’		Elevation (KB)	6303’				

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm					Surface/freshwater sands
Nacimiento Fm			Surface	1307	Possible freshwater sands
Ojo Alamo Ss			1307	1447	Aquifer (possible freshwater)
Kirtland Shale			1447	1909	
Fruitland Fm			1909	2235	Coal/Gas/Possible water
Pictured Cliffs Ss			2235	2286	Gas
Lewis Shale			2286	2762	
Chacra			2762	3769	Gas
Cliff House Ss			3769	3870	Water/Possible gas
Menefee Fm			3870	4514	Coal/Ss/Water/Possible O&G
Point Lookout Ss			4514	4660	Probable water/Possible O&G
Mancos Shale			4660	5716	
Gallup			5716	6529	O&G/Water
Greenhorn			6529	6585	
Graneros Shale			6585	6634	
Dakota Ss			6634	PBTD	O&G/Water

Remarks:
P & A

- BLM picks for the Chacra formation top varies from Operator submission.
- Add a plug to cover the Mancos formation top at 4660’.
- Add a plug to cover the Chacra formation top at 2762’.
- The plugs proposed in the P&A procedure, with changes recommended above, will adequately protect any freshwater sands in this well bore.
- Dakota perfs 6634’ – 6902’.

Reference Well:
1) **Formation Tops**
Same

Prepared by: *Chris Wenman*

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 90241

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 90241
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	CBL required	3/15/2022
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	3/15/2022
kpickford	Adhere to BLM approved COAs and plugs. See GEO report.	3/15/2022