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

Sundry Print Report

08/15/2022

Well Name: FEDERAL F

Well Location: T30N / R11W / SEC 33 / NWSE / 36.765747 / -107.992722

County or Parish/State: SAN JUAN / NM

Well Number: 1

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMSF043260A

Unit or CA Name: FEDERAL F

Unit or CA Number: NMNM73854

US Well Number: 3004508977

Well Status: Gas Well Shut In

Operator: HILCORP ENERGY COMPANY

Notice of Intent

Sundry ID: 2685733

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 08/04/2022

Time Sundry Submitted: 11:24

Date proposed operation will begin: 09/01/2022

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 8/3/2022 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

Federal_F_1_P_A_NOI_Packet_20220804112433.pdf

Plug and Abandonment - NOI

Federal F 1

API # - 300 45 08977

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.

CBL from 2/12/2000 indicate TOC in 4.5" string is at ~1400', above the Fruitland top.

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. RUPU and POOH with 2 3/8" tubing.
5. RUWL and make GR run to 6,666' (top perf). Run CBL from 6,666' to surface. Adjust plugs in accordance with BLM/NMOCD rules with approval from both agencies based on CBL results.
   Plug #1, 6630' – 6580' (Dakota Top: 6660')
6. RUWL and RIH with 4.5" CIBP, set plug at 6630' (36' above top perf, 30' above DK top). POOH RDWL.
7. RIH work string to CIBP and circulate 50' of cement on plug (0.8 bbl cement)

Plug #2, 5790' - 5690' (Gallup Top: 5740')

8. Circulate plug mud from 6570' to 5790'
9. Circulate 100' cement from 5790'-5690' (1.6 bbl)

Plug #3, 4815' - 4715' (Mancos Top: 4765')

10. Circulate plug mud to 4815'
11. Circulate 100' cement from 4815'-4715' (1.6 bbl)

Plug #4, 3882' – 3782' (Mesa Verde: 3832')

12. Circulate plug mud to 3882'
13. Circulate 100' cement from 3882' – 3782' (1.6 bbl)

Plug #5, 2297' – 2122' (Lewis: 2247', Pictured Cliffs: 2172')

14. Circulate plug mud to 2297'
15. Circulate 175' cement from 2297' – 2122' (2.8 bbl)

Plug #6, 1598' – 1498' (Fruitland: 1548')

16. Circulate plug mud to 1598'.
17. Circulate 100' cement from 1598' – 1498' (1.6 bbl + 0.8 bbl. for required excess)

Plug #7, 983' – 0' (Kirtland: 933', Ojo Alamo: 800', Surface Shoe 300')

18. Circulate plug mud to 983'.
19. POOH tbg and RUWL, RIH perforate at 983'
20. PU CICR and RIH to 750'
21. Squeeze cement under retainer behind 4.5 " casing to surface
22. Sting out of retainer and circulate cement inside 4.5" casing to surface
23. 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: FEDERAL F #1

API / UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type
3004508977	033-030N-011W-J	BASIN DAKOTA (PRORATED G #0058		NEW MEXICO	VERTICAL

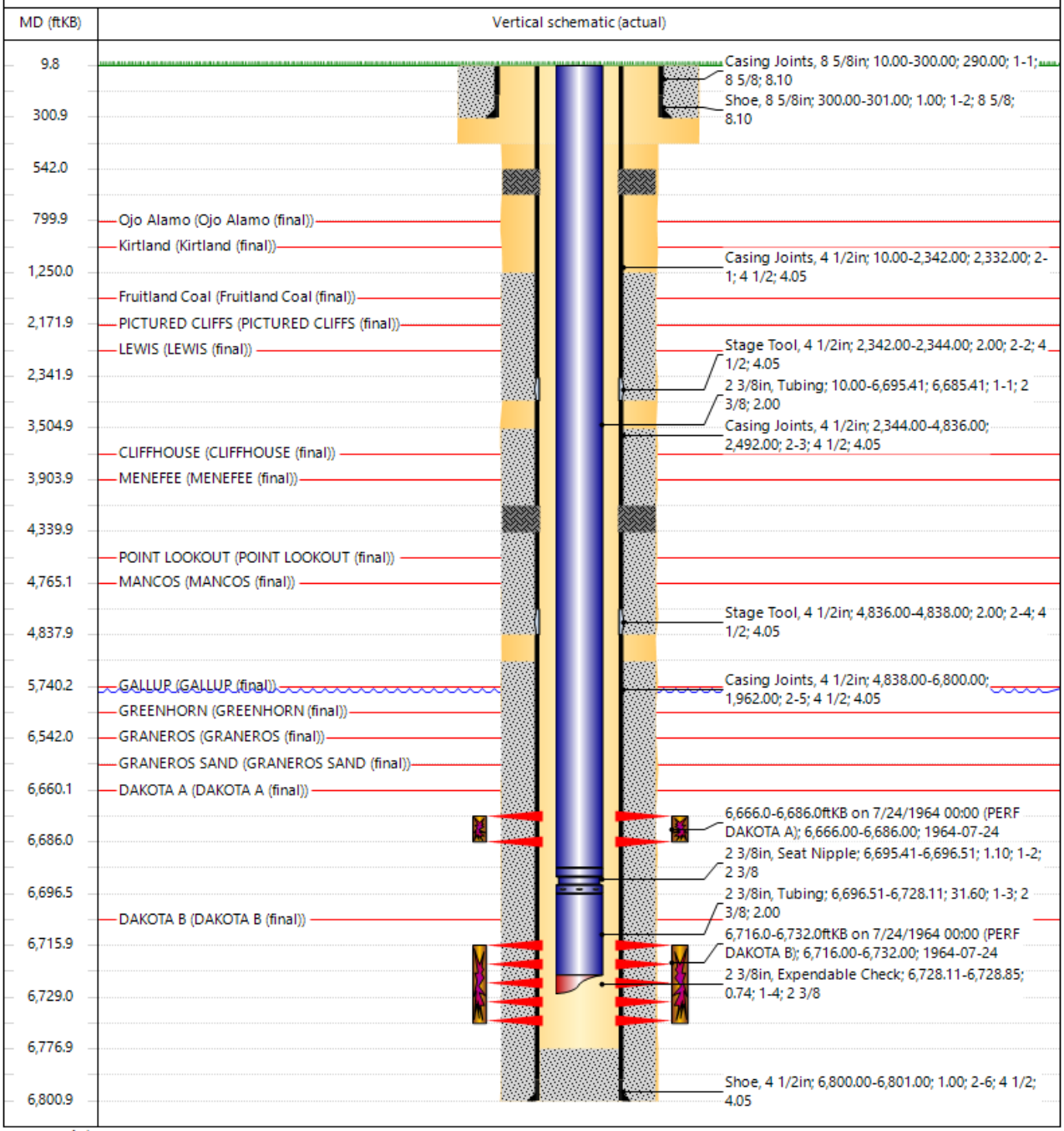
Original KB/RT Elevation (ft)	KB-Ground Distance (ft)	Original Spud Date	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB)
5,904.00	10.00	7/5/1964 00:00	2/17/2000 10:30	Original Hole - 6,777.0	

Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Actual Start Date	End Date
FACILITIES	REPLACE TUBING	REPLACE TUBING	2/9/2000	2/17/2000

TD: 6,801.0

Original Hole [VERTICAL]



Hilcorp Energy Company

Schematic - Proposed

Well Name: FEDERAL F #1

API / UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type
3004508977	033-030N-011W-J	BASIN DAKOTA (PRORATED G#0069		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)
5,904.00	10.00	7/5/1964 00:00	2/17/2000 10:30	Original Hole - 6,777.0	

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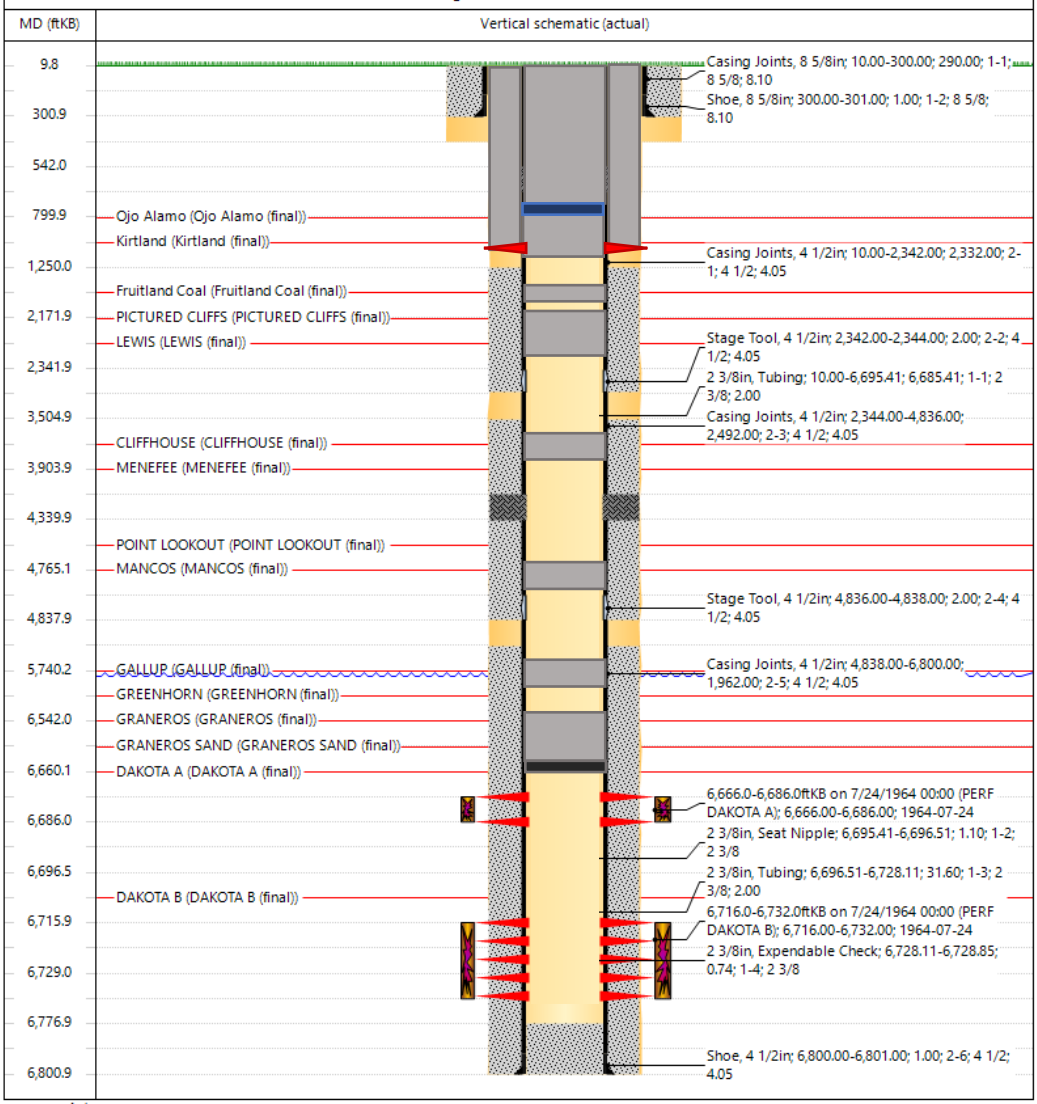

Hilcorp Energy
P&A Final Reclamation Plan
Federal F 1
API: 30-045-08977
T30N-R11W-Sec. 33-Unit J
LAT: 36.76575 LONG: -107.99272 NAD 27
Footage: 1565' FSL & 1795' FEL
San Juan County, NM

1. PRE- RECLAMATION SITE INSPECTION

   A pre-reclamation site inspection was completed with Roger Herrera from the BLM and Eufracio Trujillo, Hilcorp Energy SJ South Construction Foreman on August 3, 2022.

2. LOCATION RECLAMATION PROCEDURE

   1. Reclamation work will begin in the fall.
   2. Removal of all equipment, anchors, flowlines, cathodic, and pipelines.
   3. All trash and debris will be removed within a 50' buffer outside of the location disturbance during reclamation.
   4. Rip compacted soil and walk down disturbed portion of well pad.
   5. Location will be reclaimed by rolling down east portion of location into toe.
   6. Sample BGT for closure. Close when results have passed.
   7. Remove all gravel from berms, pads, and meter run and use on lease road where needed.
   8. Enterprise meter run will be removed out of their ROW. Remove riser.
   9. Enterprise to cut and cap pipeline.

3. ACCESS ROAD RECLAMATION PROCEDURE

   1. The well access road will be blocked at the main lease road with a berm and ditch at the edge of adjacent location.
   2. Berm off two track on Northeastern corner.
   3. Reclaim road by ripping, recontouring road out of location to main lease road.
   4. Reset culvert in roadway before location entrance to accommodate drainage.
   5. Seed road after ripping.

4. SEEDING PROCEDURE

   1. A Pinon/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. Halogeton was identified during this onsite.
2. Spray weed before P&A takes place to avoid tracking around location and other areas.

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 H_2S.

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), five copies, 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.

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

AFMSS 2 Sundry ID 2685733

Attachment to notice of Intention to Abandon

Well: Federal F 1

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) Add a plug to cover the Chacra formation top at 2850'.
   b) Adjust Plug #6 (Fruitland) to cover BLM formation top pick at 1852'.

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 8/11/2022

BLM FLUID MINERALS
P&A Geologic Report

Date Completed: 08/11/2022

Well No. Federal F #1 (API# 30-045-08977)		Location	1565 FSL	&	1795 FEL	
Lease No. NMSF043260A		Sec. 33	T30N		R11W	
Operator Hilcorp Energy Company		County	San Juan	State	New Mexico	
Total Depth 6801’	PBTD 6777’	Formation	Dakota			
Elevation (GL) 5894’		Elevation (KB)	5908’			

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose					
Nacimiento			Surface	825	Surface/possible freshwater sands
Ojo Alamo Ss			825	933	Aquifer (possible freshwater)
Kirtland Shale			933	1852	Possible gas
Fruitland			1852	2172	Coal/Gas/Water
Pictured Cliffs Ss			2172	2247	Probable Gas
Lewis Shale			2247	2850	
Chacra			2850	3832	Possible Gas
Cliff House Ss			3832	3904	Water/possible gas
Menefee			3904	4458	Coal/Ss/Water/probable gas
Point Lookout Ss			4458	4765	Probable water/possible O&G
Mancos Shale			4765	5740	Probable O&G
Gallup			5740	6485	Probable O&G
Greenhorn			6485	6542	
Graneros Shale			6542	6660	Possible O&G
Dakota Ss			6660	PBTD	O&G/water
Morrison					

Remarks:
P & A

- BLM picks for the Mancos and Fruitland formation tops vary from Operator.
- Add a plug to cover the Chacra formation top at 2850’.
- Adjust Plug #6 (Fruitland) to cover BLM formation top pick at 1852’.
- The plugs proposed in the P&A procedure, with recommended changes, will adequately protect any freshwater sands in this well bore.
- Dakota perfs 6666’ – 6732’.

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

Prepared by: *Chris Wenman*

Well Name: FEDERAL F

Well Location: T30N / R11W / SEC 33 / NWSE / 36.765747 / -107.992722

County or Parish/State: SAN JUAN / NM

Well Number: 1

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMSF043260A

Unit or CA Name: FEDERAL F

Unit or CA Number: NMNM73854

US Well Number: 3004508977

Well Status: Gas Well Shut In

Operator: HILCORP ENERGY COMPANY

Conditions of Approval

Additional

30N11W33JKd_Federal_F_1_20220811112943.pdf

Authorized

General_Requirement_PxA_20220811140535.pdf

2685733_NOIA_F_1_3004508977_KR_08112022_20220811140516.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: AMANDA WALKER

Signed on: AUG 04, 2022 11:24 AM

Name: HILCORP ENERGY COMPANY

Title: Operations/Regulatory Technician

Street Address: 1111 TRAVIS ST.

City: HOUSTON **State:** TX

Phone: (346) 237-2177

Email address: mwalker@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: 08/11/2022

Signature: Kenneth Rennick

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 133782

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 133782
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	CBL required	8/15/2022
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	8/15/2022
kpickford	Adhere to BLM approved COAs and plugs. See GEO report.	8/15/2022