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

Sundry Print Report

04/13/2022

Well Name: FEDERAL GAS COM

Well Location: T28N / R10W / SEC 28 / NENE / 36.637146 / -107.895432

County or Parish/State: SAN JUAN / NM

Well Number: 1

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMSF077383

Unit or CA Name: FEDERAL GAS COM

Unit or CA Number: NMNM73955

US Well Number: 3004507196

Well Status: Gas Well Shut In

Operator: HILCORP ENERGY COMPANY

Notice of Intent

Sundry ID: 2666046

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 04/08/2022

Time Sundry Submitted: 08:00

Date proposed operation will begin: 05/02/2022

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 4/6/2022 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

30045071960000_Federal_Gas_Com_1_P_A_NOI_20220408080004.pdf

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Operator: HILCORP ENERGY COMPANY

Conditions of Approval

Additional Reviews

General_Requirement_PxA_20220412142954.pdf

2666046_NOIA_1_3004507196_KR_04122022_20220412142941.pdf

28N10W28AKd_Federal_Gas_Com_1_20220412140727.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: AMANDA WALKER

Signed on: APR 08, 2022 08:00 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

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: 04/12/2022

Signature: Kenneth Rennick

Plug and Abandonment - NOI

Federal Gas Com 1

API # - 3004507196

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 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 RECORDED ON 5.5" CASING AND 8-5/8" CASING ARE ON FILE WITH NMOCD. CEMENT TOPS REFLECT THESE DATA.

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 and PU workstring off float.
5. RIH to CICR and sting in, establish injection rate with water below retainer.
6. **Plug #1, 6444' - 5680' (Dakota Top: 6444', Gallup Top 5730')**
7. Squeeze 20.5 bbl of cement below retainer (casing volume plus 100% excess)
8. Sting out of retainer and circulate cement to 5680'
9. Circulate plug mud to 4200'
10. **Plug #2, 3675'-3550' (Mesaverde: 3628')**
11. POOH and pick up CICR, RIH and set at 3600'

12. Squeeze 10 bbl of cement below retainer and outside casing (includes 100% excess)
13. Sting out and cap retainer with 50’ of cement.
14. POOH with tubing and stand back
15. RU casing tools and back off casing at approximately 2071’. POOH with 5.5” casing and lay down.
16. **Plug #3, 2262’-2053’ (Pictured Cliffs Top: 2073’, Int. Shoe: 2212’)**
17. RIH with CICR on tubing and set 8-5/8” retainer just above casing stub after back off.
18. Squeeze 25 bbl below retainer and cap retainer with 3.05 bbl.
19. Circulate plug mud to 1820’
20. **Plug #4, 1820’ – 1720’ (Fruitland Top: 1770’)**
21. Spot plug using 6.37 bbl
22. Circulate plug mud to 1270’
23. **Plug #5, 1270’ – 1011’ (Ojo Top: 1061’, Kirtland Top: 1220’)**
24. Circulate plug using 16.5 bbl
25. Circulate plug mud to 190’
26. **Plug #6, 190’ – 0’ (Surface Shoe: 139’)**
27. Circulate plug using 12.1 bbl cement
28. Lay down remainder of pipe.
29. 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 GAS COM #1

API / UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type
3004507196	T28N-R10W-S28	Basin Dakota		New Mexico	Vertical

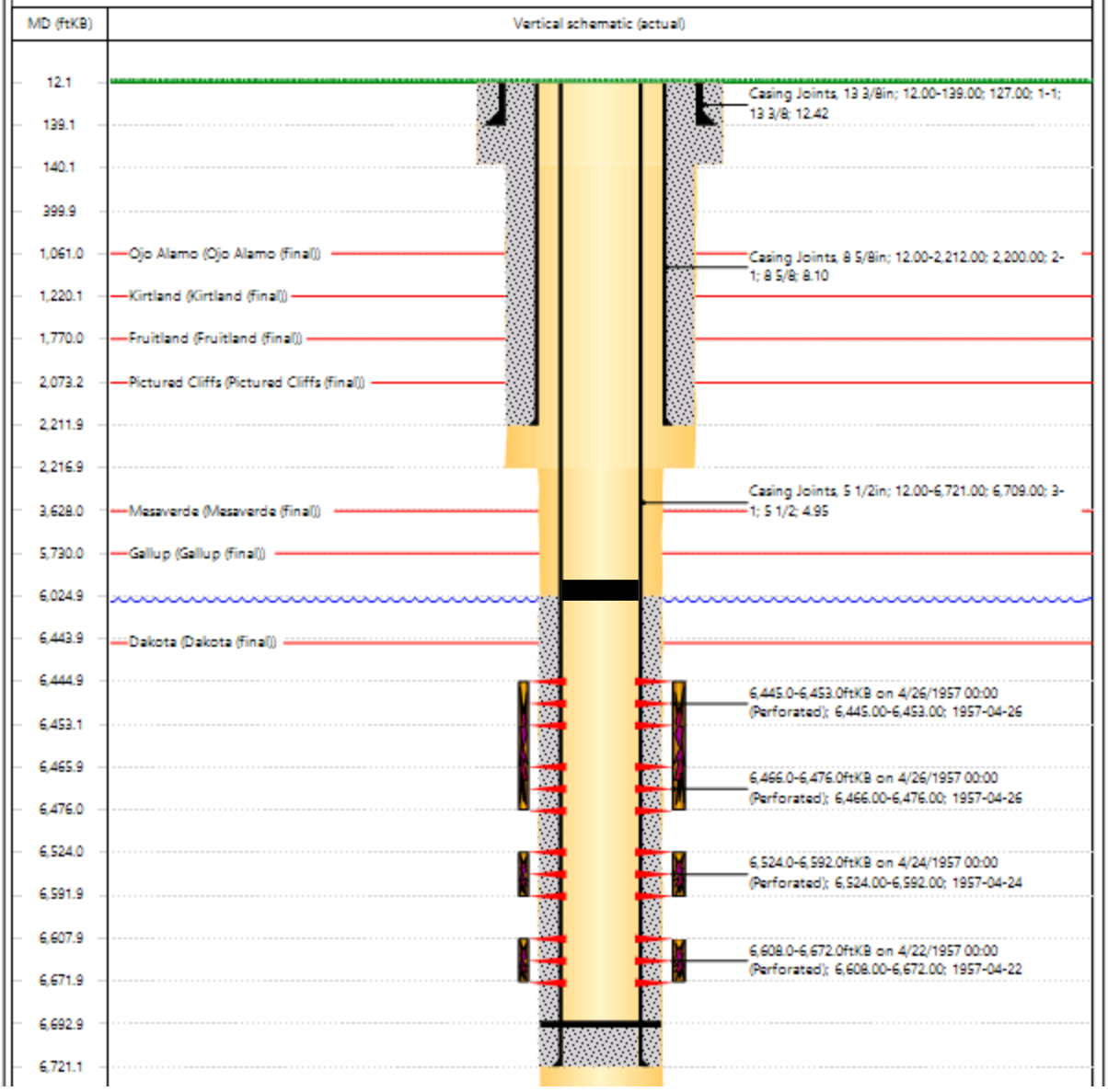
Original KB/RT Elevation (ft)	KB-Ground Distance (ft)	Original Spud Date	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB)
6,073.00	12.00	2/14/1957 00:00	4/11/1957 00:00	Original Hole - 6,693.0	

Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Actual Start Date	End Date
Expense Plug & Abandon	TEMPORARY ABANDON		3/25/2022	

TD: 6,730.0

Original Hole [Vertical]



Hilcorp Energy Company

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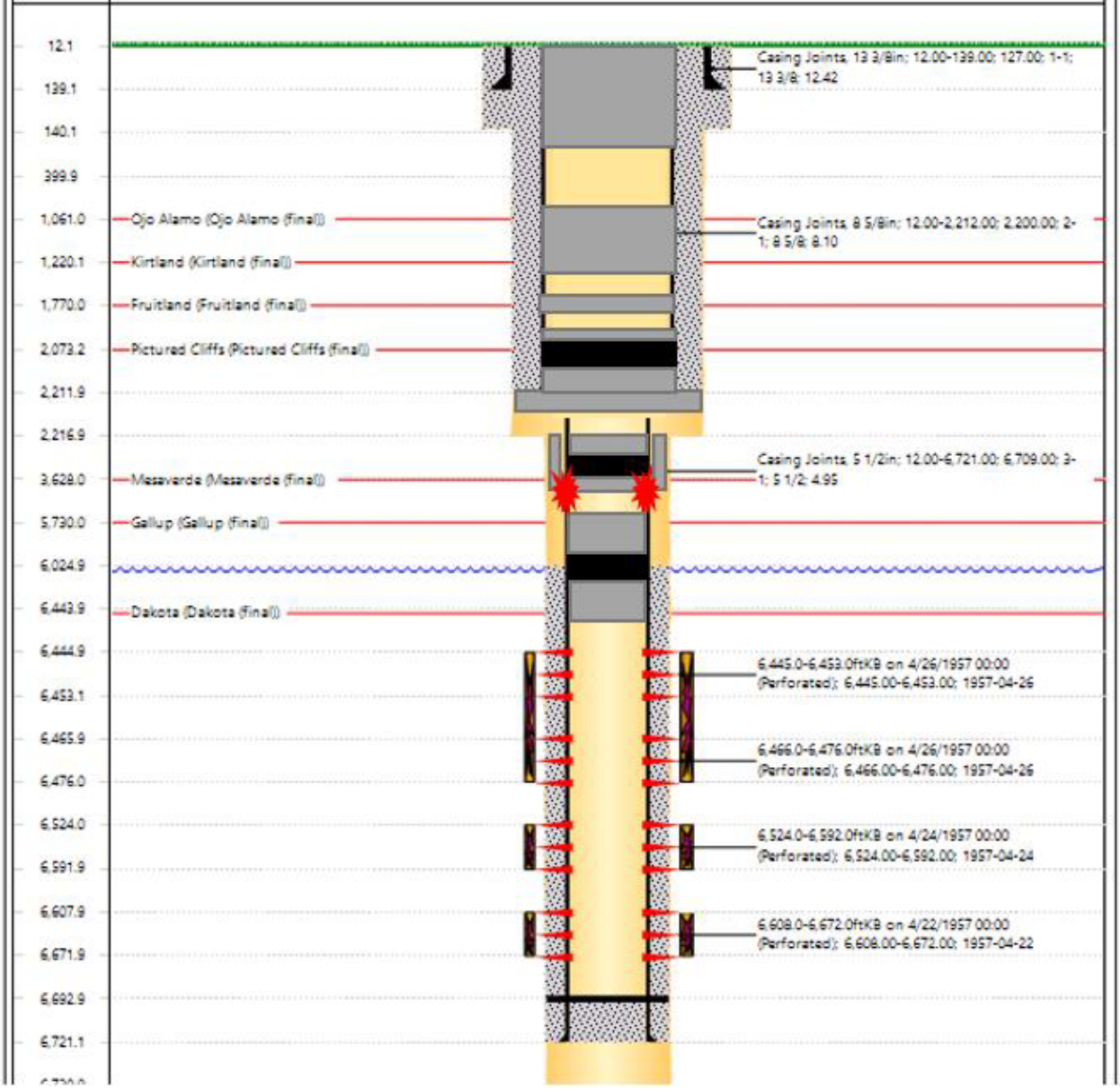
TD: 6,730.0

Original Hole [Vertical]



Hilcorp Energy
P&A Final Reclamation Plan
Federal Gas Com 1
API: 30-045-07196
T28N-R10W-Sec. 28-Unit A
LAT: 36.637216 LONG: -107.895431 NAD 27
Footage: 1190' FNL & 1190' 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 April 6, 2022.

2. LOCATION RECLAMATION PROCEDURE

   1. Reclamation work will begin in summer.
   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. Close out BGT that are currently on location when results are clear.
   5. Rip compacted soil and walk down disturbed portion of well pad.
   6. Location will be reclaimed by pushing dirt from southern side of location into the northern slope.
   7. Power drop pole will be disconnected and removed.
   8. Remove all gravel from berms, pads, and meter run and use on lease road where needed.
   9. Harvest meter run will be removed out of their ROW. If needed, blind and barricade riser.

3. ACCESS ROAD RECLAMATION PROCEDURE

   1. The well access road will be blocked at the entrance with a berm and ditch.
   2. Reclaim road by ripping, recontouring road out of location to main lease road.

4. SEEDING PROCEDURE

   1. A Pinion/Juniper seed with sage 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 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 2666046

Attachment to notice of Intention to Abandon

Well: Federal Gas Com 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) Bring the top of Plug #1 (Dakota and Gallup) up to 5539' to cover BLM Gallup formation top pick.
   b) Add a plug to cover the Mancos formation top at 4538'.
   c) Add a plug to cover the Chacra formation top at 2638'.
   d) Bring the top of Plug #3 (Pictured Cliffs and Intermediate Shoe) up to 2023'.

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 4/12/2022

BLM FLUID MINERALS
P&A Geologic Report

Date Completed: 04/12/2022

Well No. Federal Gas Com #1 (API# 30-045-07196)		Location	1190 FNL	&	1190 FEL	
Lease No. NMSF-077383		Sec. 28	T28N		R10W	
Operator Hilcorp Energy Company		County	San Juan	State	New Mexico	
Total Depth 6730’	PBTD 6693’	Formation	Dakota (producing), Morrison (TD)			
Elevation (GL) 6061’		Elevation (KB) 6073’				

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm					
Nacimiento Fm	Surface	1061			Surface/possible freshwater sands
Ojo Alamo Ss	1061	1220			Aquifer (possible freshwater)
Kirtland Shale	1220	1770			
Fruitland Fm	1770	2073			Coal/Gas/Possible water
Pictured Cliffs Ss	2073	2134			Possible Gas
Lewis Shale	2134			2638	
Chacra			2638	3628	Possible Gas
Cliff House Ss			3628	3736	Water/Possible gas
Menefee Fm			3736	4396	Coal/Ss/Water/Possible O&G
Point Lookout Ss			4396	4538	Probable water/Possible O&G
Mancos Shale			4538	5589	
Gallup			5589	6348	O&G/Water
Greenhorn			6348	6407	
Graneros Shale			6407	6444	
Dakota Ss			6444	6680	O&G/Water
Morrison Formation			6680	PBTD	Water

Remarks:
P & A

- No well log available above 2227’. Operator tops from Pictured Cliffs – Surface are OK based on Reference Well #1. BLM picks for the Gallup and Chacra formation tops vary from Operator.
- Bring the top of Plug #1 (Dakota and Gallup) up to 5539’ to cover BLM Gallup formation top pick.
- Add a plug to cover the Mancos formation top at 4538’.
- Add a plug to cover the Chacra formation top at 2638’.
- Bring the top of Plug #3 (Pictured Cliffs and Intermediate Shoe) up to 2023’.
- The plugs proposed in the P&A procedure, with changes recommended above, will adequately protect any freshwater sands in this well bore.
- Existing CIBP at 6025’.
- Graneros/Dakota perfs 6444’ – 6672’

Reference Well:
1) **Formation Tops (Surface – Lewis)**
Same

2) Formation Tops (Chacra – Morrison)
Hilcorp Energy Company
Federal Gas Com #1F
1715’ FNL, 720’ FEL
Sec. 28, T28N, R10W
6057’ KB

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 98145

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 98145
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	4/14/2022
kpickford	Adhere to BLM approved COAs and plugs. See GEO report.	4/14/2022