

Well Name: NAVAJO 25	Well Location: T29N / R14W / SEC 25 / NESW /	County or Parish/State: SAN JUAN / NM
Well Number: 1	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name: SHIPROCK
Lease Number: 14206032172	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004530041	Well Status: Gas Well Shut In	Operator: HILCORP ENERGY COMPANY

Notice of Intent

Sundry ID: 2672268

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 05/18/2022	Time Sundry Submitted: 09:31
Date proposed operation will begin: 06/06/2022	

**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 4/13/2022 with Emmanuel Adeloye/BLM, Bertha Spencer/BIA and Larson Nez/Navajo Nation. 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

30045300410000\_Navajo\_25\_1\_P\_A\_NOI\_20220518093118.pdf

Received by OCD: 6/6/2022 6:42:23 AM

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Conditions of Approval

Additional

2672268\_NOIA\_25\_1\_3004530041\_KR\_06022022\_20220602145832.pdf  
General\_Requirement\_PxA\_20220602145813.pdf  
29N14W25KKpc\_Navajo\_25\_1\_20220602115134.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: MAY 18, 2022 09:31 AM

Name: HILCORP ENERGY COMPANY

Title: Operations/Regulatory Technician

Street Address: 1111 TRAVIS ST.

City: HOUSTONState: 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: 06/02/2022

Signature: Kenneth Rennick



## P&A Procedure

General Information			
<b>Well Name</b>	Navajo 25 1	<b>Date:</b>	5/18/2022
<b>API:</b>	30-045-30041	<b>AFE #</b>	
<b>Field:</b>	San Juan	<b>County</b>	San Juan
<b>Status:</b>	Well is ACOI		
<b>Subject:</b>	Permanently P&A wellbore		
<b>By:</b>	M. Wissing		

### Well Data

Surface Casing: 7" 20# K-55 8rd at 135'

Production Casing: 4-1/2" 9.5# 8rd at 1,618'

Production tubing: 2-3/8" 4.7# J-55 with 2-3/8" x 12' tubing rod pump at 1,511' (in 2009)

Rod string: 3/4" rods

Current Perforations: 1,326'-1,462'

Current PBTD: 1,573' (cement plug)

KB: 5'

SICP = 9 psig/ BH: 0 psi (no historic BH pressures in last 3 tests)

Hold PJSM prior to begin 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, Navajo Nation, and HEC safety and environmental regulations. Verify there is no H<sub>2</sub>S present prior to beginning operations. If any H<sub>2</sub>S is present, take the necessary actions to ensure that the location is safe prior to beginning operations. Observe and record pressures across all strings daily, prior to beginning operations.

Remember to notify NMOCD, Navajo Nation, and BLM 24 hours prior to starting operations on location. This procedure is contingent upon P&A sundry approval by the NMOCD, Navajo Nation, & BLM.

**P&A Rig Procedure- Navajo 25 1**

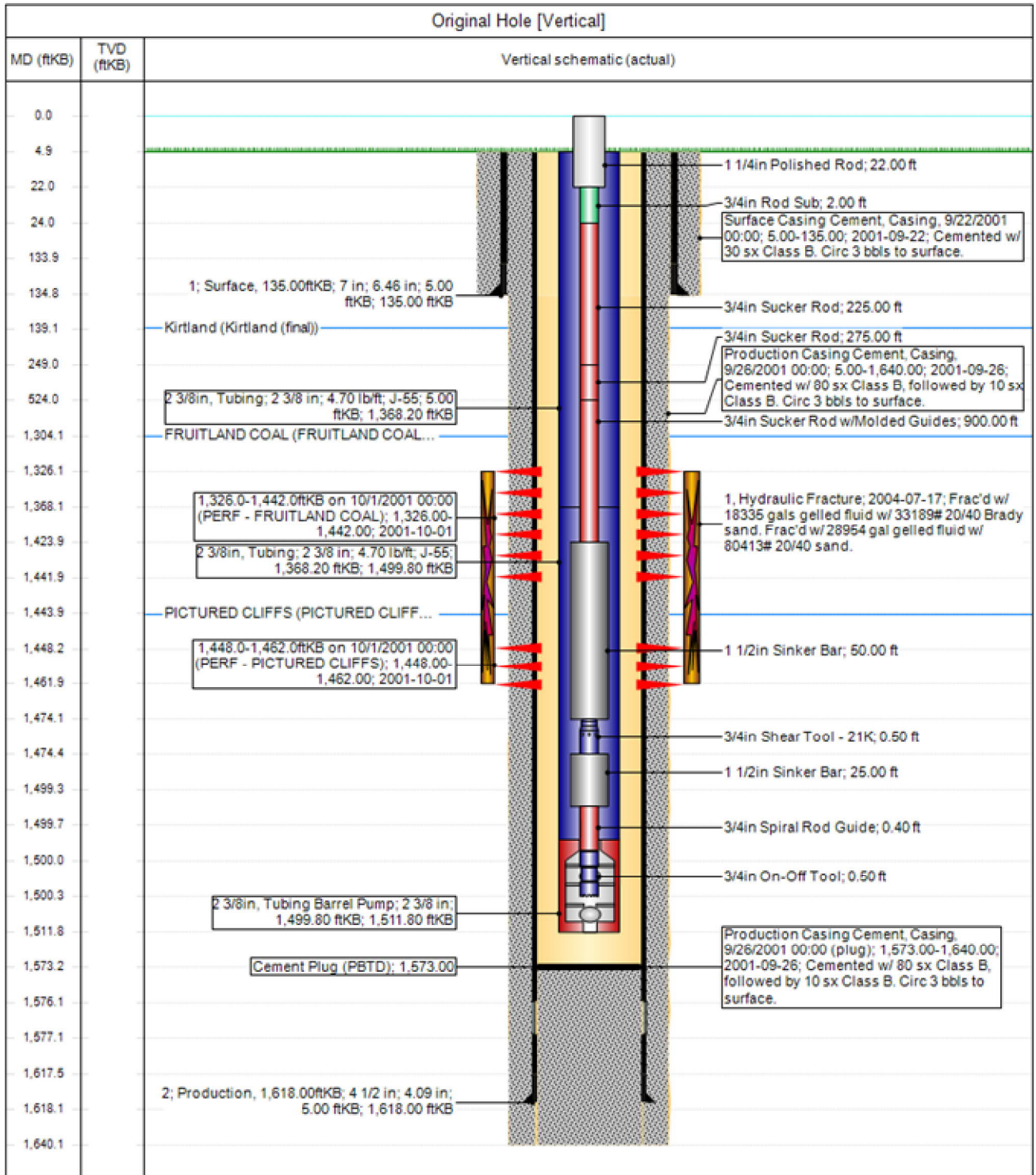
1. MIRU P&A rig and equipment.
  - a. *Record daily pressures on all strings.*
  - b. *Document all agency onsite witnesses and any approved procedure changes with all agencies.*
2. Release tbg pump internals and TOOH with rods.
3. ND whd. NU 5k BOP & test. TOH & LD with 2-3/8" production tbg & tbg pump.
4. MU work string and RIH with 4.5" casing scraper or 4.5" gauge ring to +/- 760'.
5. MU 4.5" CICR and RIH. Set CICR at 1,276'. Roll wellbore if set with pipe.
  - a. **Top PC perf at 1,326'.**
6. Pressure test the casing to 500 psi to verify wellbore integrity and plug set.
7. RIH with tbg.
8. **Plug #1 (PC top perf 1,448'; PC formation top at 1,444', FRC top at 1,304'; FRC top perf at 1,326')**: RU cementers and pump a 150' balanced cmt plug inside the 4-1/2" csg from 1,126' – 1,276', using 2.5 bbls (12 sx) of 15.8+ ppg Class G cmt.
9. TOOH with tbg to 189'.
10. **Plug #2 (Kirtland formation top at 139', Surface csg at 135')**: RU cementers and pump a 189' balanced cmt plug inside the 4-1/2" csg from 0' – 189', using 3.1 bbls (15 sx) of 15.8+ ppg Class G cmt.
11. Verify all pressures on all strings are at 0 psi.
12. ND BOP. Cutoff wellhead at surface and weld on labeled P&A marker. Top off entire wellbore with cmt as needed.
13. RDMO P&A rig.



## Current Schematic - Completion Comments

Well Name: NAVAJO 25 #1

API / UWI 3004530041	Surface Legal Location T29N-R14W-S25	Field Name Kutz W Pictured Cliffs	Route 0207	State/Province New Mexico	Well Configuration Type Vertical
Ground Elevation (ft) 5,880.00	Original KB/BT Elevation (ft) 5,885.00	KB-Ground Distance (ft) 5.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	



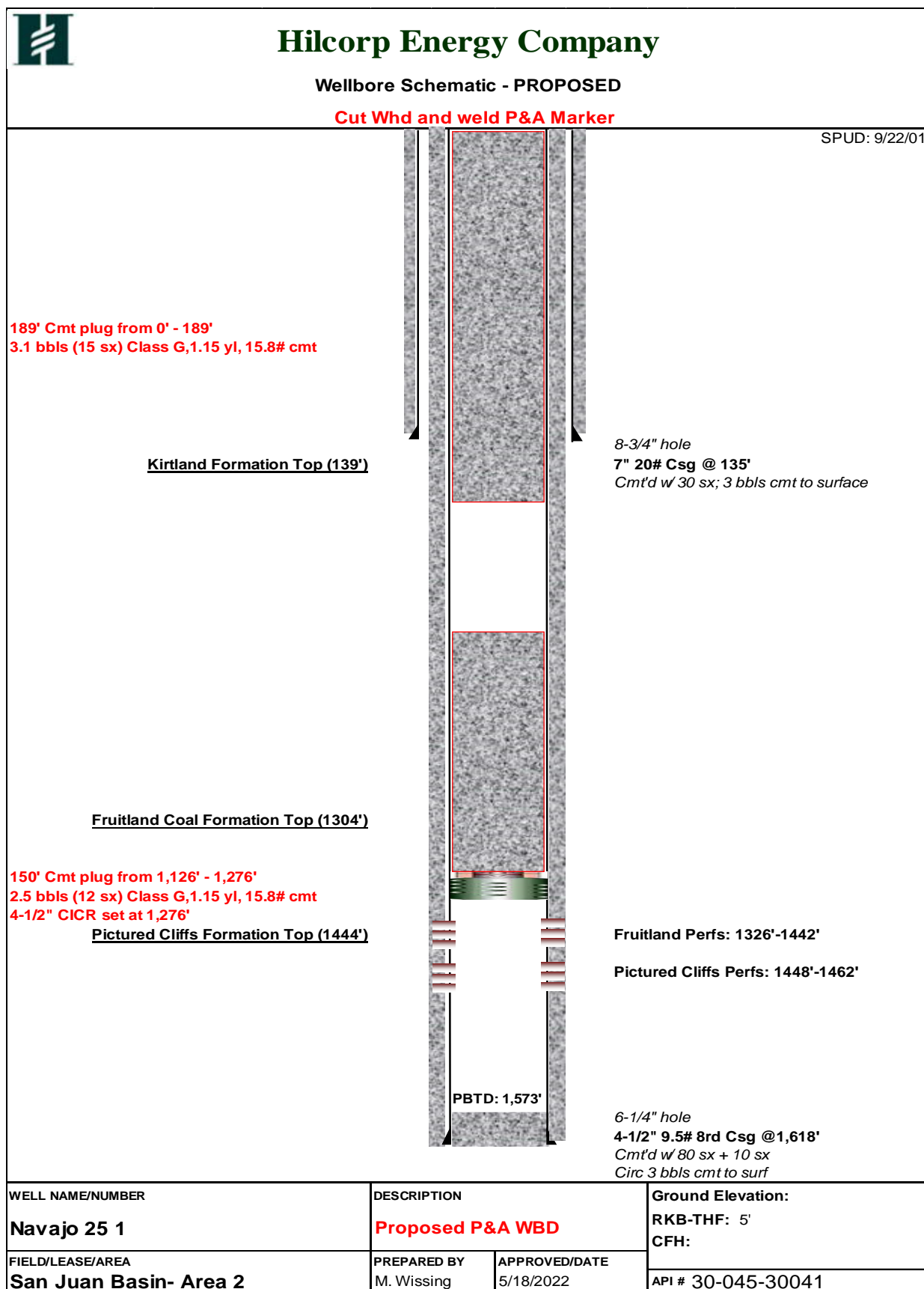
www.peloton.com

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Report Printed: 5/18/2022



## PROPOSED P&amp;A WELLBORE SCHEMATIC





Hilcorp Energy  
P&A Final Reclamation Plan  
**Navajo 25 #1**  
API: 30-045-30041  
K – Sec.25-T029N-R014W  
Lat: 36.695054, Long: -108.265306  
1740' FSL & 1320' FWL  
San Juan County, NM

**1. PRE-RECLAMATION SITE INSPECTION**

- 1.1) A pre-reclamation site inspection was completed by Emmanuel Adeloye with the BLM, Bertha Spencer with BIA, Larson Nez with the Navajo Nation, and Chad Perkins construction Foreman for Hilcorp Energy on Wednesday April 13, 2022.

**2. LOCATION RECLAMATION PROCEDURE**

- 2.1) Final reclamation work will be completed after the well is Plugged.  
2.2) Remove all production equipment, anchors, and flowlines.  
2.3) The water pipeline piping will be stripped from the well facility to the dogleg or mainline. The mainline will be blind flanged or capped off.  
2.4) The gas pipeline piping will be stripped from the well facility to the dogleg or mainline. The mainline will be blind flanged or capped off.  
2.5) Location had very minimal nonnative aggregate, all nonnative aggregate will be scraped up and buried in toe of the cut prior to re-contouring.  
2.6) The berm around the top of the cut will be removed prior to re-contouring.  
2.7) Push fill into 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.  
2.8) Rip compacted soil and walk down disturbed portion of well pad.  
2.9) All trash and debris will be removed within 50' buffer outside of the location disturbance during reclamation.

**3. ACCESS ROAD RECLAMATION PROCEDURE:**

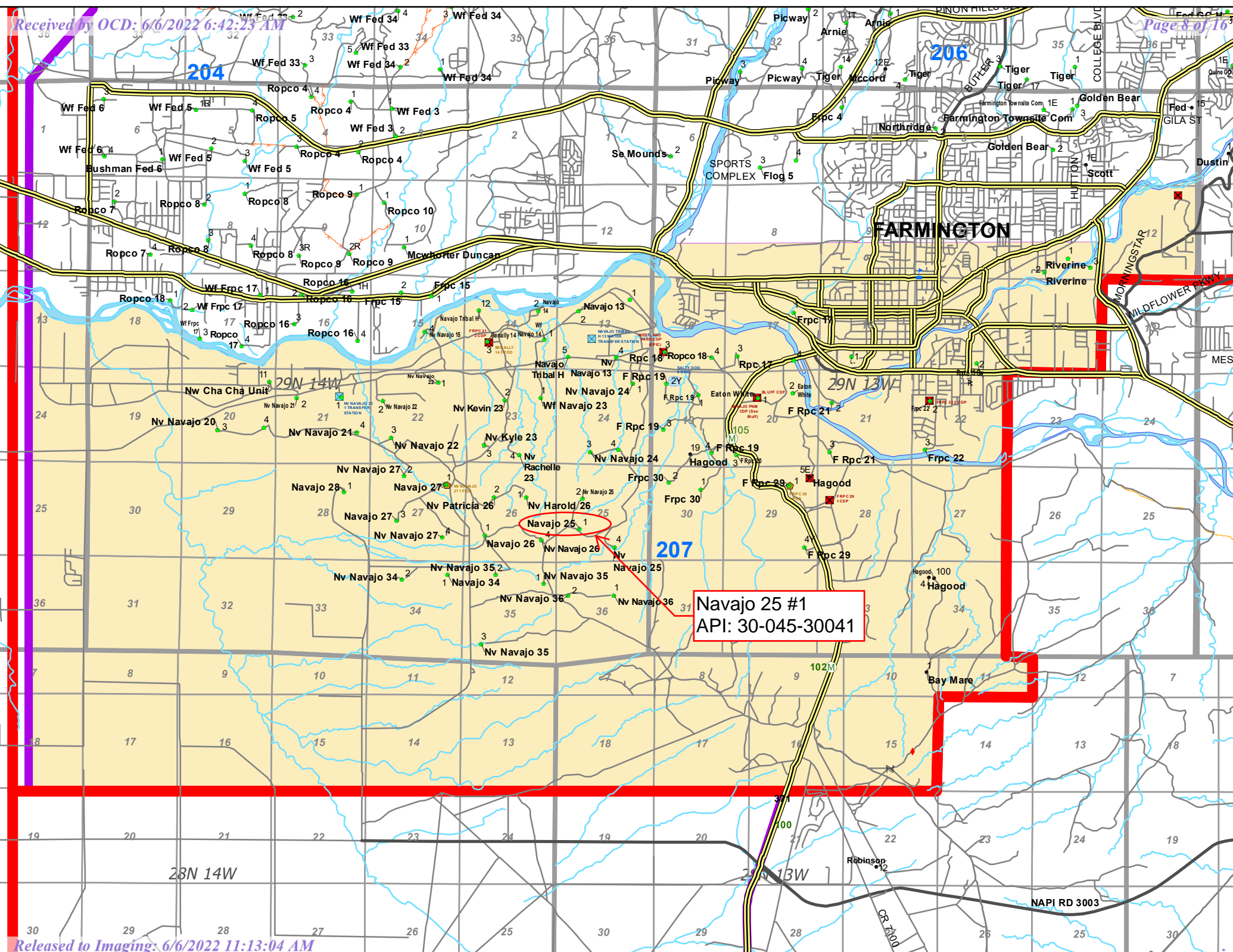
- 3.1) The lease access road will not be reclaimed, it is a main access road that continues past the well pad.

**4. SEEDING PROCEDURE**

- 4.1) A Pinion/Juniper seed mix will be used for all reclaimed and disturbed areas of the location and lease road.  
4.2) 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.  
4.3) Timing of the seeding will take place when the ground is not frozen or saturated.

**5. WEED MANAGEMENT**

- 5.1) No action is required at this time for weed management, no noxious weeds were identified during the onsite.





The berm around the top of the cut will be removed prior to re-contouring.

Push fill into 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.

All nonnative aggregate will be scraped up and buried in toe of the cut prior to re-contouring.



Date: 5/3/2022  
Scale: 1:4,514 mi  
0 0.03 0.06 0.09 0.12  
N

## Wells

### Hilcorp Wells Surface Location

Gas Well

## Pipelines

Hilcorp Operated Pipeline

## Hilcorp Boundaries

Asset Teams

Supervisor Areas, outline

## Roads and Highways

## SJB Roads

Road

Water and gas pipeline piping will be stripped from the well facility to the dogleg or mainline. The mainline will be blind flanged or capped off.


NV NAVAJO 25.2

NAVAJO 25.1

NAVAJO 25.1

SJN-297 SJN-624



 36.695054, -108.265306

 36.695054, -108.265306

The lease access road will not be reclaimed, it is a main access road that continues past the well pad.





**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<sub>2</sub>S.

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.

(October 2012 Revision)



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

AFMSS 2 Sundry ID 2672268

Attachment to notice of Intention to Abandon

Well: Navajo 25 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. 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 06/02/2022

# BLM FLUID MINERALS P&A Geologic Report

**Date Completed:** 06/02/2022

Well No. Navajo 25 #1 (API# 30-045-30041)		Location	1740	FSL	&	1320	FWL
Lease No. 14206032172		Sec. 25	T29N			R14W	
Operator Hilcorp Energy Company		County	San Juan		State	New Mexico	
Total Depth 1640'	PBTD 1573'	Formation Pictured Cliffs/Fruitland Coal					
Elevation (GL) 5880'		Elevation (KB) 5885'					

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm					
Nacimiento Fm					
Ojo Alamo Ss			Surface	139	Surface/Aquifer (possible freshwater)
Kirtland Shale			139	1304	Possible gas
Fruitland Fm			1304	1444	Coal/Gas/Water
Pictured Cliffs Ss			1444	PBTD	Gas
Lewis Shale					
Chacra					
Cliff House Ss					
Menefee Fm					
Point Lookout Ss					
Mancos Shale					
Gallup					
Greenhorn					
Graneros Shale					
Dakota Ss					
Morrison Formation					

Remarks:

P & A

- The plugs proposed in the P&A procedure will adequately protect any freshwater sands in this well bore.
- Fruitland perms 1326' – 1442'.
- Pictured Cliffs perms 1448' – 1462'.

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 113658

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 113658
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	6/6/2022
kpickford	Adhere to BLM approved COAs and plugs. See GEO report.	6/6/2022