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

# Sundry Print Report

08/09/2022

**Well Name:** NV NAVAJO 35

**Well Location:** T29N / R14W / SEC 35 / NENE /

**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:** 3004531193

**Well Status:** Gas Well Shut In

**Operator:** HILCORP ENERGY COMPANY

## Notice of Intent

**Sundry ID:** 2683531

**Type of Submission:** Notice of Intent

**Type of Action:** Plug and Abandonment

**Date Sundry Submitted:** 07/22/2022

**Time Sundry Submitted:** 11:39

**Date proposed operation will begin:** 08/05/2022

**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 2/23/22 with Bertha Spencer/BIA and Steve Price/Navajo Nation & 4/27/22 with Emmanuel Adeloye/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**

P_A_NOI_NV_Navajo_35_1_20220722113810.pdf

PA_reclamation___NV_Navajo_35_1_04_27_2022__Optimized_20220722113810.pdf

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## Conditions of Approval

**Additional**

29N14W35AKpc_NV_Navajo_35_1_20220808122319.pdf

**Authorized**

2683531_NOIA_35_1_3004531193_KR_08082022_20220808125637.pdf

General_Requirement_PxA_20220808125602.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:** KANDIS ROLAND

**Signed on:** JUL 22, 2022 11:39 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 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:** 08/08/2022

**Signature:** Kenneth Rennick

# HILCORP ENERGY COMPANY
## NV NAVAJO 35 #001
## NOTICE OF INTENT TO PERMANENTLY ABANDON

| API #: | 3004531193 |
|---|---|

**JOB PROCEDURES**

☑ NMOCD ☑ BLM **Contact OCD and BLM (where applicable) 24 hrs prior to MIRU. Comply with all NMOCD, BLM (where applicable), and HEC safety and environmental regulations.**

1. MIRU service rig and associated equipment, LOTO pumping unit and remove HH and bridle.
2. Release On/Off tool and TOOH w/ rods, lay down rods.
3. Load well, ND tree, NU BOPs and test.
4. TOOH w/ 2-3/8" 4.7# EUE J55 tbg and tubing pump set at 1,448'.
5. PU 4-1/2" csg mill or scraper and TIH to 1,285'. TOOH and LD mill/scraper.
6. MU 4-1/2" mechanical plug (CIBP or CICR) and RIH. Set at **+/- 1,271'** to isolate the Fruitland Coal & Pictured Cliffs perforations.
7. Pressure test the csg and mechanical plug to 600 psi. Monitor pressures for 30 minutes.
8. **Plug #1, 1,121'- 1,271' (Fruitland Coal Perforations: 1,321' - 1,428' & Pictured Cliffs: 1,428' - 1,432')** Mix and pump 12 SX of Class G cement and spot balanced plug to cover Mechanical Plug @ 1,271'. PU and reverse circulate tubing clean.
9. **Plug #2, Surface - 176' (Surface shoe: 126')** Mix and pump 14 SX of Class G cement and spot a balanced plug to cover the casing shoe. Pump until good cement returns to surface.
10. LD tubing. ND BOP and cut off wellhead below surface casing flange as per NMOCD. Top off cement at surface as needed. Weld new P&A maker.

# HILCORP ENERGY COMPANY
## NV NAVAJO 35 #001
## NOTICE OF INTENT TO PERMANENTLY ABANDON

**NV NAVAJO 35 #001 - CURRENT WELLBORE SCHEMATIC**

Hilcorp Energy Company

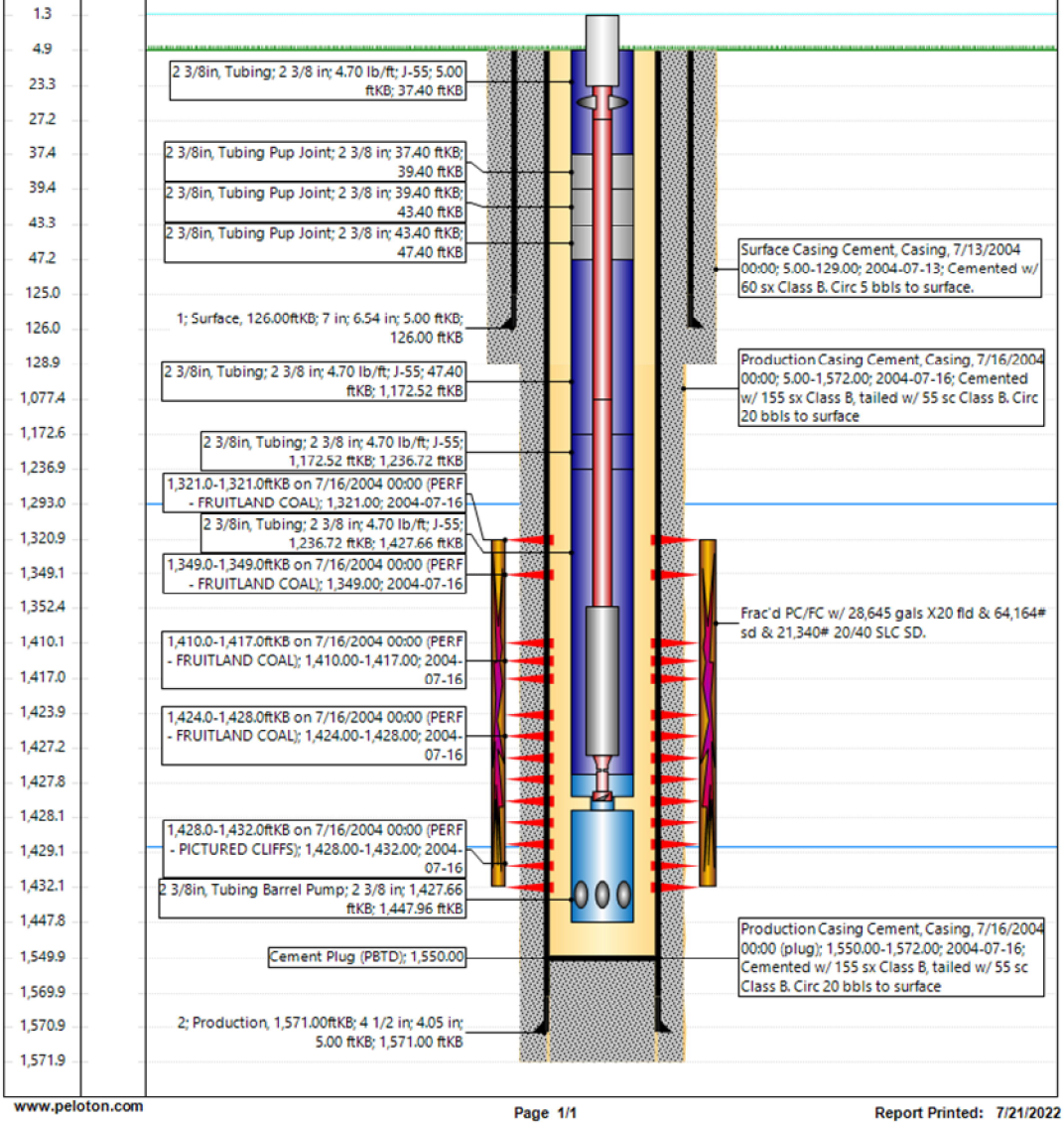
### Current Schematic - Completion Comments

**Well Name: NV NAVAJO 35 #1**

| API / UWI | Surface Legal Location | Field Name | Route | State/Province | Well Configuration Type |
|---|---|---|---|---|---|
| 3004531193 | T29N-R14W-S35 | Kutz W Pictured Cliffs | 0207 | New Mexico | Vertical |

| Ground Elevation (ft) | Original KB/RT Elevation (ft) | KB-Ground Distance (ft) | KB-Casing Flange Distance (ft) | KB-Tubing Hanger Distance (ft) |
|---|---|---|---|---|
| 5,924.00 | 5,929.00 | 5.00 | | |

Original Hole [Vertical]

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# HILCORP ENERGY COMPANY
## NV NAVAJO 35 #001
## NOTICE OF INTENT TO PERMANENTLY ABANDON

**NV NAVAJO 35 #001 - PROPOSED P&A SCHEMATIC**

Hilcorp Energy Company

**WBD Proposed**

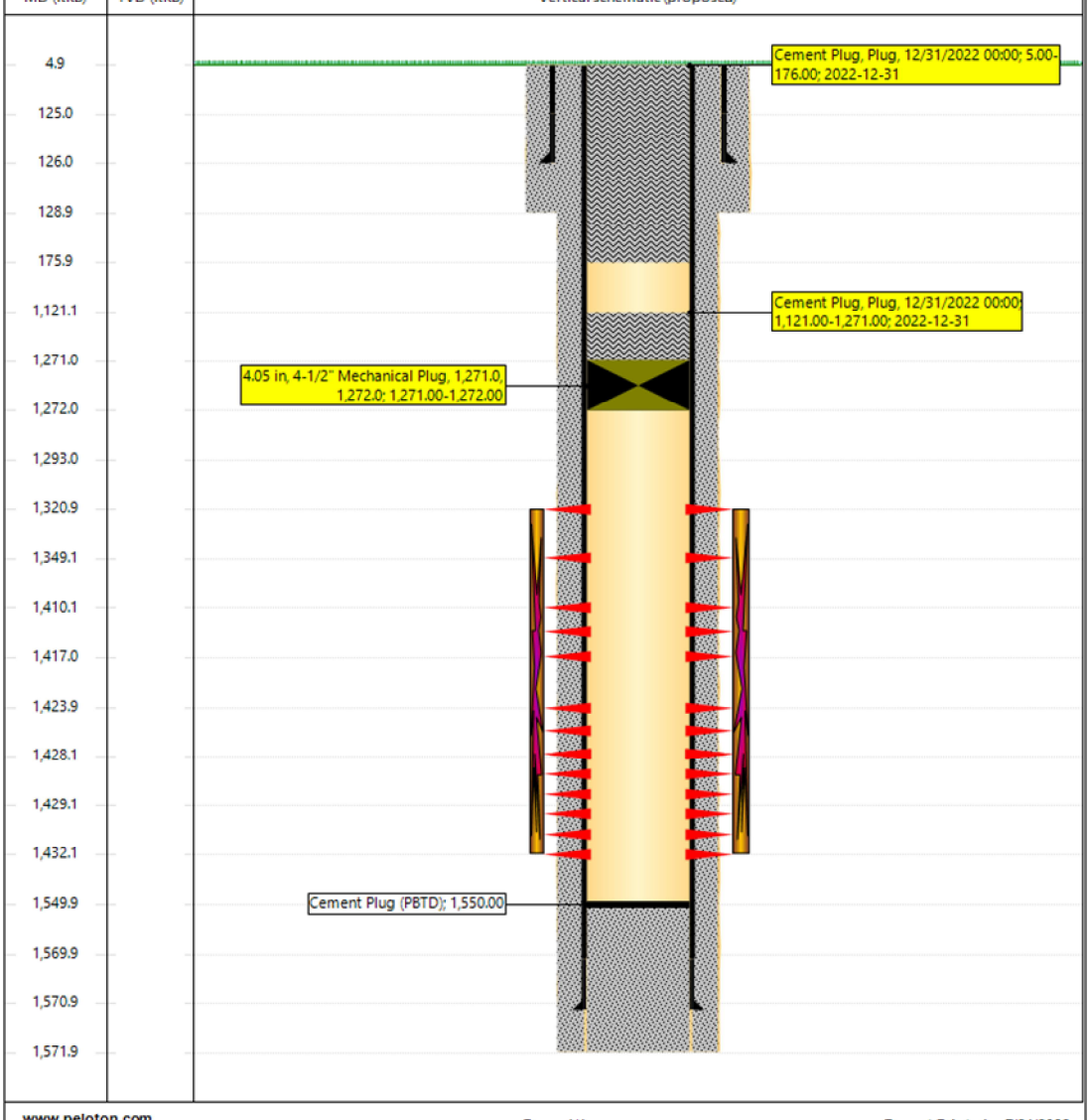
**Well Name: NV NAVAJO 35 #1**

| API / UWI | Surface Legal Location | Field Name | License No. | State/Province | Well Configuration Type |
|---|---|---|---|---|---|
| 3004531193 | T29N-R14W-S35 | Kutz W Pictured Cliffs | | New Mexico | Vertical |
| **Ground Elevation (ft)** | **Casing Flange Elevation (ft)** | **KB-Ground Distance (ft)** | **KB-Casing Flange Distance (ft)** | **Original Spud Date** | **Rig Release Date** |
| 5,924.00 | | 5.00 | | 7/13/2004 00:00 | 7/15/2004 00:00 |

**Most Recent Job**

| Job Category | Primary Job Type | Secondary Job Type | Actual Start Date | End Date |
|---|---|---|---|---|
| Well Maintenance | ROD & PUMP REPAIR | Pump | 11/6/2015 | 11/19/2015 |

Original Hole [Vertical]

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Hilcorp Energy
P&A Final Reclamation Plan
**NV Navajo 35 #1**
API: 30-045-31193
A– Sec.35-T029N-R014W
Lat: 36.686553, Long: -108.272191
Footage: 1340' FNL & 705' FEL
San Juan County, NM

**1. PRE-RECLAMATION SITE INSPECTION**

1.1) A pre-reclamation site inspection was completed by Bertha Spencer with BIA, Steve Prince with the Navajo Nation, and Chad Perkins construction Foreman for Hilcorp Energy on Wednesday February 23, 2022.

1.2) A pre-reclamation site inspection was completed by Emmanuel Adeloye with the BLM and Chad Perkins construction Foreman for Hilcorp Energy on Wednesday April 27, 2022.

**2. LOCATION RECLAMATION PROCEDURE**

2.1) Final reclamation work will be completed after the well is Plugged.

2.2) All production equipment, rig anchors, and flowlines will be striped and removed.

2.3) Impacted soil was identified during the on-site inspection, all impacted soil will be excavated, hauled off, and properly disposed of.

2.4) Strip approximately 150’ of water and gas pipeline piping between the wellsite and the mainline. The water and gas pipelines will be blinded or capped off at the pipeline mainline.

2.5) All nonnative aggregate will be scraped up and hauled off prior to re-contouring.

2.6) Push fill slope up 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.

2.7) Rip compacted soil and walk down disturbed portion of well pad.

2.8) All trash and debris will be removed within 50’ buffer outside of the location disturbance during reclamation.

**3. ACCESS ROAD RECLAMATION PROCEDURE:**

3.1) There is no lease access road to reclaim the well pad is off a main access road that continues to other well sites.

3.2) All trash and debris will be removed within 50’ buffer outside of the road disturbance during reclamation.

**4. SEEDING PROCDURE**

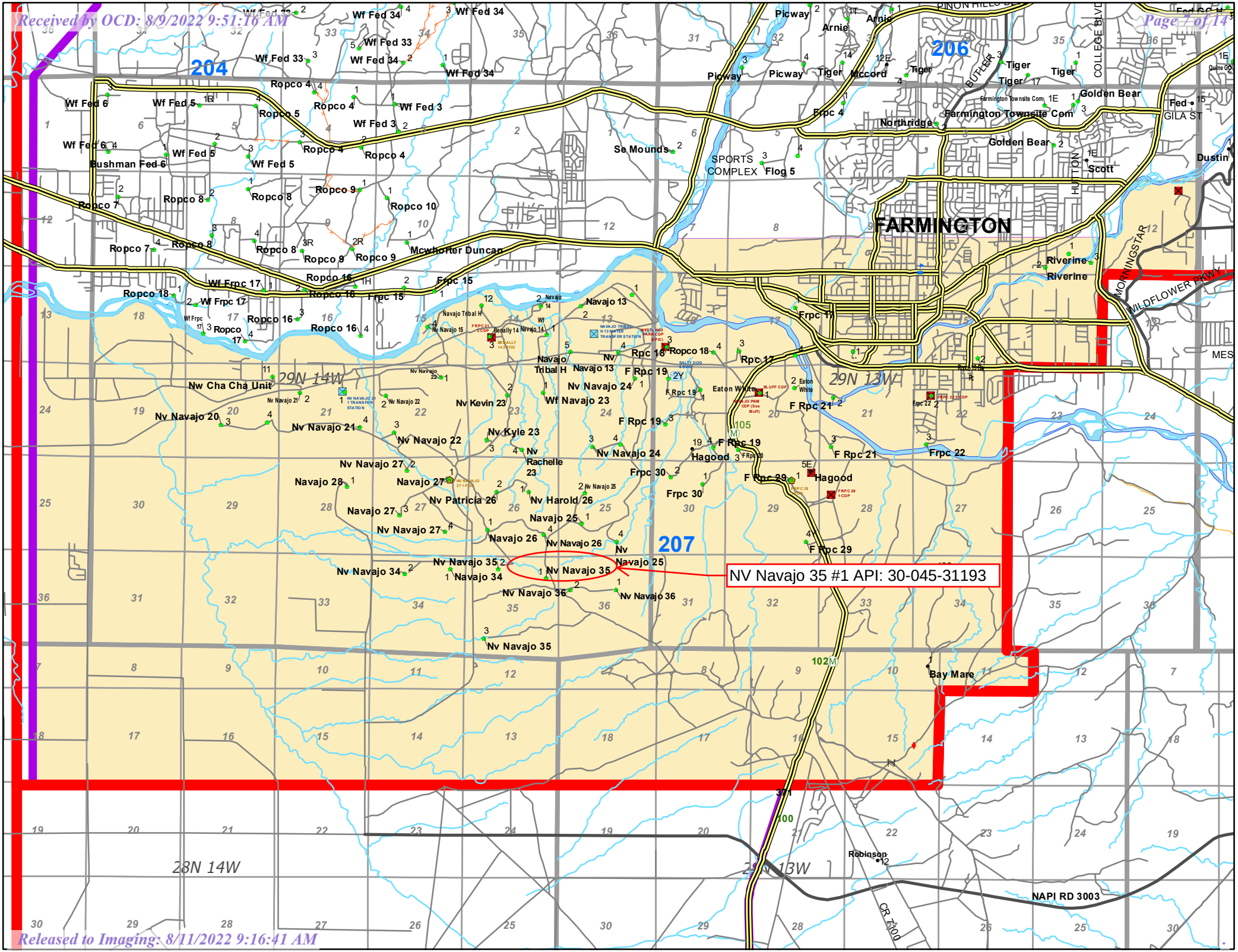
4.1) A Pinion/Juniper seed mix will be used for all reclaimed and disturbed areas of the location and lease road.

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.



# NV Navajo 35 #1

**Legend**

36.67724, -108.283941

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.

Well pad will be reclaimed to the main access road.

All nonnative aggregate will be scraped up and hauled off prior to re-contouring the well pad.

All impacted soil will be excavated, hauled off, and properly disposed of.

N

100 ft

Google Earth

# ArcGIS Web Map


Date: 6/10/2022
Scale: 1:1,128
mi
0 0 0.01 0.02 0.02 0.03
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

# BLM FLUID MINERALS
# P&A Geologic Report

**Date Completed:** 08/08/2022

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Well No. NV Navajo 35 #1 (API# 30-045-31192) | | Location | 1340 | FNL | & | 705 | FEL |
| Lease No. 14206032172 | | Sec. 35 | T29N | | | R14W | |
| Operator Hilcorp Energy Company | | County | San Juan | | State | New Mexico | |
| Total Depth 1572’ | PBTD 1550’ | Formation | Pictured Cliffs/Fruitland Coal | | | | |
| Elevation (GL) 5807’ | | Elevation (KB) | 5812’ | | | | |

| Geologic Formations | Est. Top | Est. Bottom | Log Top | Log Bottom | Remarks |
|---|---|---|---|---|---|
| San Jose Fm | | | | | |
| Nacimiento Fm | | | | | |
| Ojo Alamo Ss | | | Surface | Behind casing | Surface/potential fresh water |
| Kirtland Shale | | | Behind casing | 1293 | Potential water/gas |
| Fruitland Fm | | | 1293 | 1428 | Coal/Gas/Water |
| Pictured Cliffs Ss | | | 1428 | 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 perfs 1321’ – 1428’.
- Pictured Cliffs perfs 1428’ – 1432’.

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

**Prepared by:** *Chris Wenman*

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

AFMSS 2 Sundry ID 2683531

Attachment to notice of Intention to Abandon

Well: NV Navajo 35 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 08/08/2022

# 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.

**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 132359

## CONDITIONS

| | |
|---|---|
| Operator:<br>HILCORP ENERGY COMPANY<br>1111 Travis Street<br>Houston, TX 77002 | OGRID:<br>372171 |
| | Action Number:<br>132359 |
| | Action Type:<br>[C-103] NOI Plug & Abandon (C-103F) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| kpickford | Notify NMOCD 24 Hours Prior to beginning operations | 8/11/2022 |
| kpickford | Adhere to BLM approved COAs and plugs. See GEO report. | 8/11/2022 |