

Well Name: NV NAVAJO 22	Well Location: T29N / R14W / SEC 22 / SWNW /	County or Parish/State: SAN JUAN / NM
Well Number: 2	Type of Well: OTHER	Allottee or Tribe Name: SHIPROCK
Lease Number: 14206032199	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004531777	Well Status: Gas Well Shut In	Operator: HILCORP ENERGY COMPANY

Notice of Intent

Sundry ID: 2683521

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 07/22/2022	Time Sundry Submitted: 11:26
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 4/13/22 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

- PA\_reclamation\_\_NV\_Navajo\_22\_2\_\_04\_13\_22\_\_Optimized\_20220722112550.pdf
- P\_A\_NOI\_NV\_Navajo\_22\_2\_20220722112550.pdf

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Conditions of Approval

Additional

29N14W22\_NV\_NAVAJO\_22\_2\_GEO\_KGR\_20220808135019.pdf  
2683521\_NOIA\_22\_2\_30045317777\_KR\_08082022\_20220808134907.pdf  
General\_Requirement\_PxA\_20220808134853.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 11:26 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 22 2**  
**NOTICE OF INTENT TO PERMANENTLY ABANDON**

API #:	3004531777
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**JOB PROCEDURES**

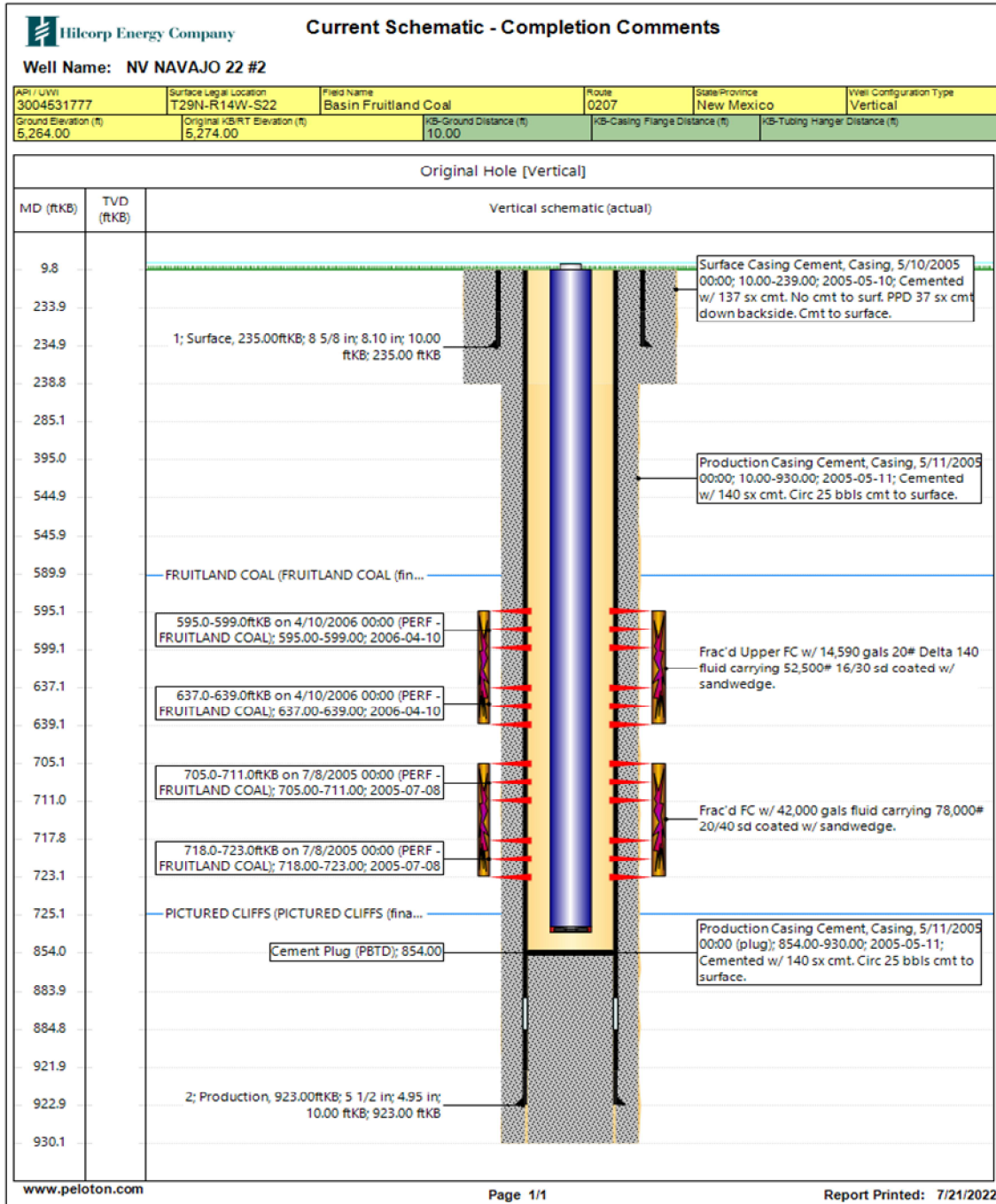
- |                                     |       |  |
|-------------------------------------|-------|--|
| <input checked="" type="checkbox"/> | NMOCD | <b>Contact OCD and BLM (where applicable) 24 hrs prior to MIRU. Comply with all NMOCD, BLM (where applicable), and HEC safety and environmental regulations.</b> |
| <input checked="" type="checkbox"/> | BLM   |  |

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 784'.
5. PU 5-1/2" csg scraper and TIH to 560'. TOOH and LD mill/scraper.
6. MU 5-1/2" mechanical plug (CIBP or CICR) and RIH. Set at **+/- 545'** to isolate the Fruitland Coal perforations.
7. Pressure test the csg and mechanical plug to 600 psi. Monitor pressures for 30 minutes.
8. **Plug #1, 395'- 545' (Fruitland Coal Perforations: 595' - 723')** Mix and pump 18 SX of Class G cement and spot balanced plug to cover Mechanical Plug @ 545'. PU and reverse circulate tubing clean.
9. **Plug #2, Surface - 285' (Surface shoe: 235')** Mix and pump 32 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 22 2**  
**NOTICE OF INTENT TO PERMANENTLY ABANDON**

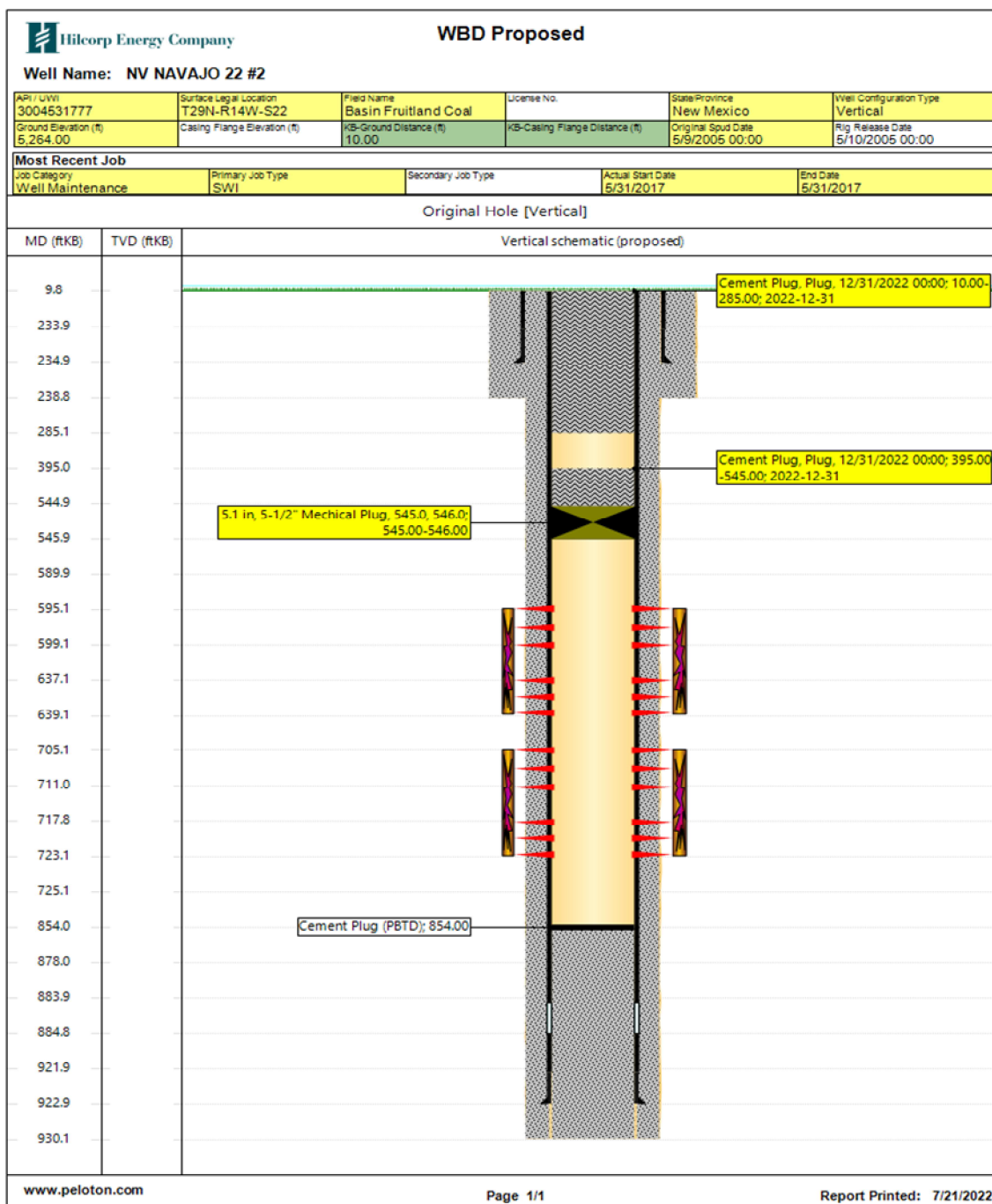
**NV NAVAJO 22 2 - CURRENT WELLBORE SCHEMATIC**





**HILCORP ENERGY COMPANY**  
**NV NAVAJO 22 2**  
**NOTICE OF INTENT TO PERMANENTLY ABANDON**

**NV NAVAJO 22 2 - PROPOSED P&A SCHEMATIC**



Hilcorp Energy  
P&A Final Reclamation Plan  
**NV Navajo 22 #2**  
API: 30-045-31777  
E – Sec.22-T029N-R014W  
Lat: 36.714543, Long: -108.303001  
Footage: 1730' FNL & 675' 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) All production equipment, rig anchors, and flowlines will be removed.
- 2.3) Well pad perimeter fencing will be removed.
- 2.4) Impacted soil was identified during the on-site inspection, all impacted soil will be excavated, hauled off, and properly disposed of.
- 2.5) The produced water pipeline piping approximately ~2 tenths of a mile from the well pad to the mainline will be abandoned in place and capped ~4' below grade on both ends. The mainline pipeline will be blind flanged or capped off from the abandoned pipeline.
- 2.6) The gas pipeline piping approximately ~2 tenths of a mile from the well pad to the mainline will be abandoned in place and capped ~4' below grade on both ends. The mainline pipeline will be blind flanged or capped off from the abandoned pipeline.
- 2.7) All nonnative aggregate will be scraped up and hauled off prior to re-contouring.
- 2.8) 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.
- 2.9) Rip compacted soil and walk down disturbed portion of well pad.
- 2.10) 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 main lease access road is approximately ~2 tenths of a mile long.
- 3.2) All culverts along lease access road will be removed prior to re-contouring.
- 3.3) Rip and re-contour lease access with shallow swells to match natural topography drainage features.
- 3.4) All trash and debris will be removed within 50' buffer outside of the road disturbance during reclamation.

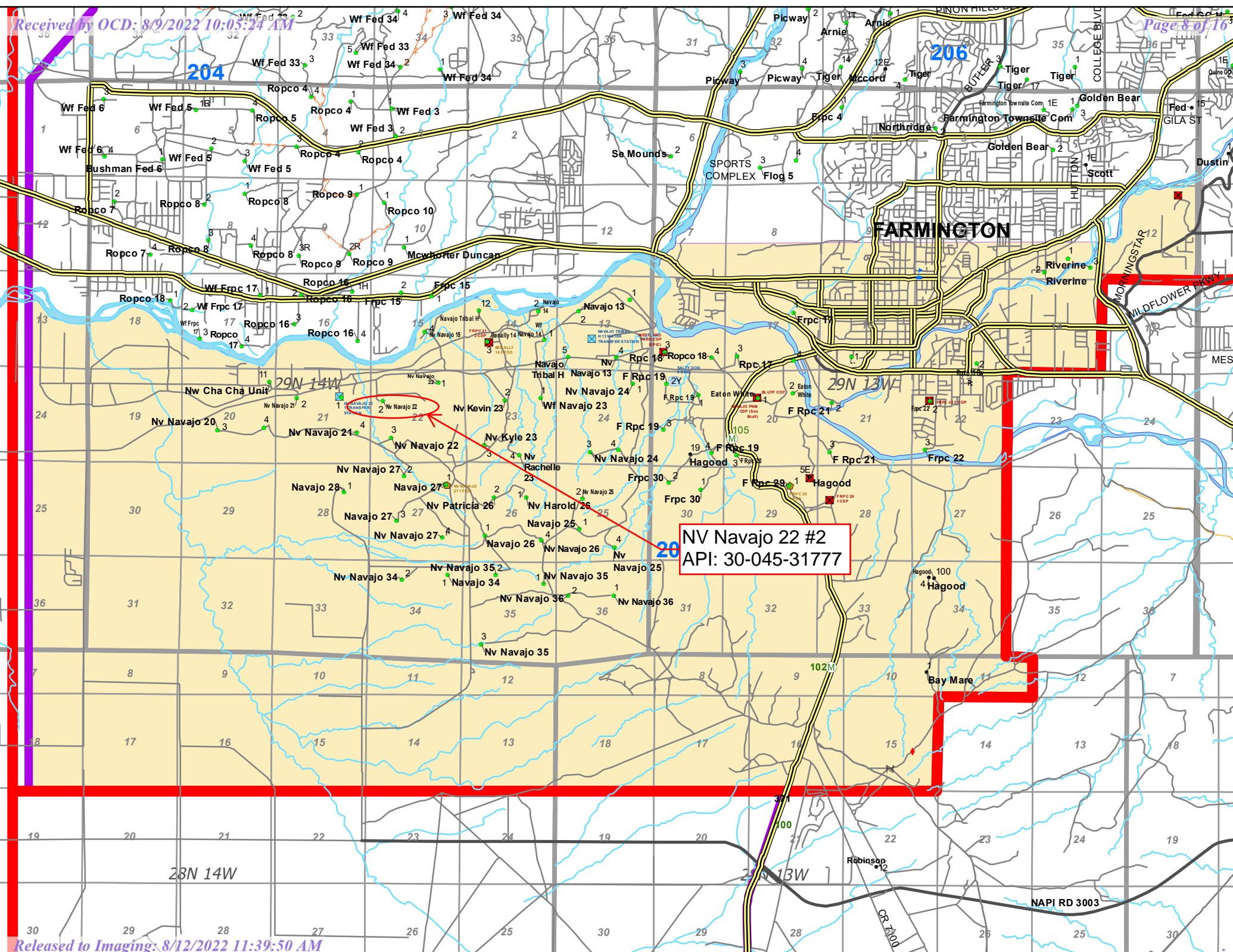
**4. SEEDING PROCEDURE**

- 4.1) A Pinon/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.







Well pad perimeter fencing  
will be removed.

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

All nonnative aggregate will be scraped up and  
hailed off 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.



Date: 5/10/2022

Scale: 1:4,514 mi  
0 0.03 0.06 0.09 0.12

## Wells

## Hilcorp Wells Surface Location

 Gas Well

## Pipelines

 Hilcorp Operated Pipeline

## Hilcorp Boundaries

 Asset Teams Supervisor Areas, outline

Water and Gas pipelines will be blind flanged or capped off from pipeline mainline.

Water and Gas pipelines will be capped at edge of well pad @ ~4'.

Water and Gas pipelines will be abandoned in place.



Rip and re-contour approximately ~2 tenths of a mile of lease access with shallow swells to match natural topography drainage features.

36.71454





# BLM FLUID MINERALS P&A Geologic Report

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

Well No. NV Navajo 22 2 (API# 30-045-31777)	Location:	SWNW				
Lease No. 14206032199	Sec. 22	T29N			R14W	
Operator Hilcorp Energy Company	County	San Juan		State	New Mexico	
Total Depth 930'	PBTD 854'	Formation Fruitland Coal				
Elevation (GR) 5264'		Elevation (KB) 5274'				

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm					Surface/freshwater sands
Nacimiento Fm					Possible freshwater sands
Ojo Alamo Ss					Aquifer (possible freshwater)
Kirtland Shale					
Fruitland Fm			590		Coal/Gas/Possible water
Pictured Cliffs Ss			725		Gas
Lewis Shale					
Chacra					Gas
Cliff House					Water/Possible gas
Menefee Fm					Coal/Ss/Water/Possible O&G
Point Lookout Ss					Probable water/Possible O&G
Mancos					Water/Possible gas
Gallup					O&G/Water
Greenhorn					
Graneros Shale					
Dakota Ss					O&G/Water

Remarks:

P & A

Reference Well:

- Fruitland Coal perforations 705 – 723'.

**Prepared by: Kenneth Rennick**

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

AFMSS 2 Sundry ID 2683521

Attachment to notice of Intention to Abandon

Well: NV Navajo 22 2

**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<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.

**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 132369

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 132369
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	8/12/2022
kpickford	Adhere to BLM approved COAs and plugs. See GEO report.	8/12/2022