

Well Name: NV NAVAJO 21	Well Location: T29N / R14W / SEC 21 / SWNE / 36.7156051 / -108.3104717	County or Parish/State: SAN JUAN / NM
Well Number: 1	Type of Well: OTHER	Allottee or Tribe Name: SHIPROCK
Lease Number: 14206032199	Unit or CA Name:	Unit or CA Number:
US Well Number: 300453338000S1	Well Status: Producing Gas Well	Operator: HILCORP ENERGY COMPANY

Notice of Intent

Sundry ID: 2736575

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 06/19/2023	Time Sundry Submitted: 01:48
Date proposed operation will begin: 07/01/2023	

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 6/6/2023 with Roger Herrera/BLM, Bertha Spencer/BIA, Belinda Chee/Navajo Nation, Johnnie Begay/Navajo Nation, and Valjean Uentillie/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

NV_Navajo_21_1_PA_reclamation_20230619134741.pdf

NV_Navajo_21_1_PA_NOI_20230619134701.pdf

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US Well Number: 300453338000S1	Well Status: Producing Gas Well	Operator: HILCORP ENERGY COMPANY

Conditions of Approval

Additional
PxA_29N14W21GKIs_NV_Navajo_21_001_20230622153955.pdf

Authorized
General_Requirement_PxA_20230622160423.pdf
2736575_NOIA_1_3004533380_KR_06222023_20230622160415.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: CHERYLENE WESTON	Signed on: JUN 19, 2023 01:47 PM
Name: HILCORP ENERGY COMPANY	
Title: Operations/Regulatory Tech - Sr	
Street Address: 1111 TRAVIS STREET	
City: HOUSTON	State: TX
Phone: (713) 289-2615	
Email address: cweston@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: 06/22/2023
Signature: Kenneth Rennick	



HILCORP ENERGY COMPANY
NV NAVAJO 21 1
NOTICE OF INTENT TO PERMANENTLY ABANDON

API #:	3004533380
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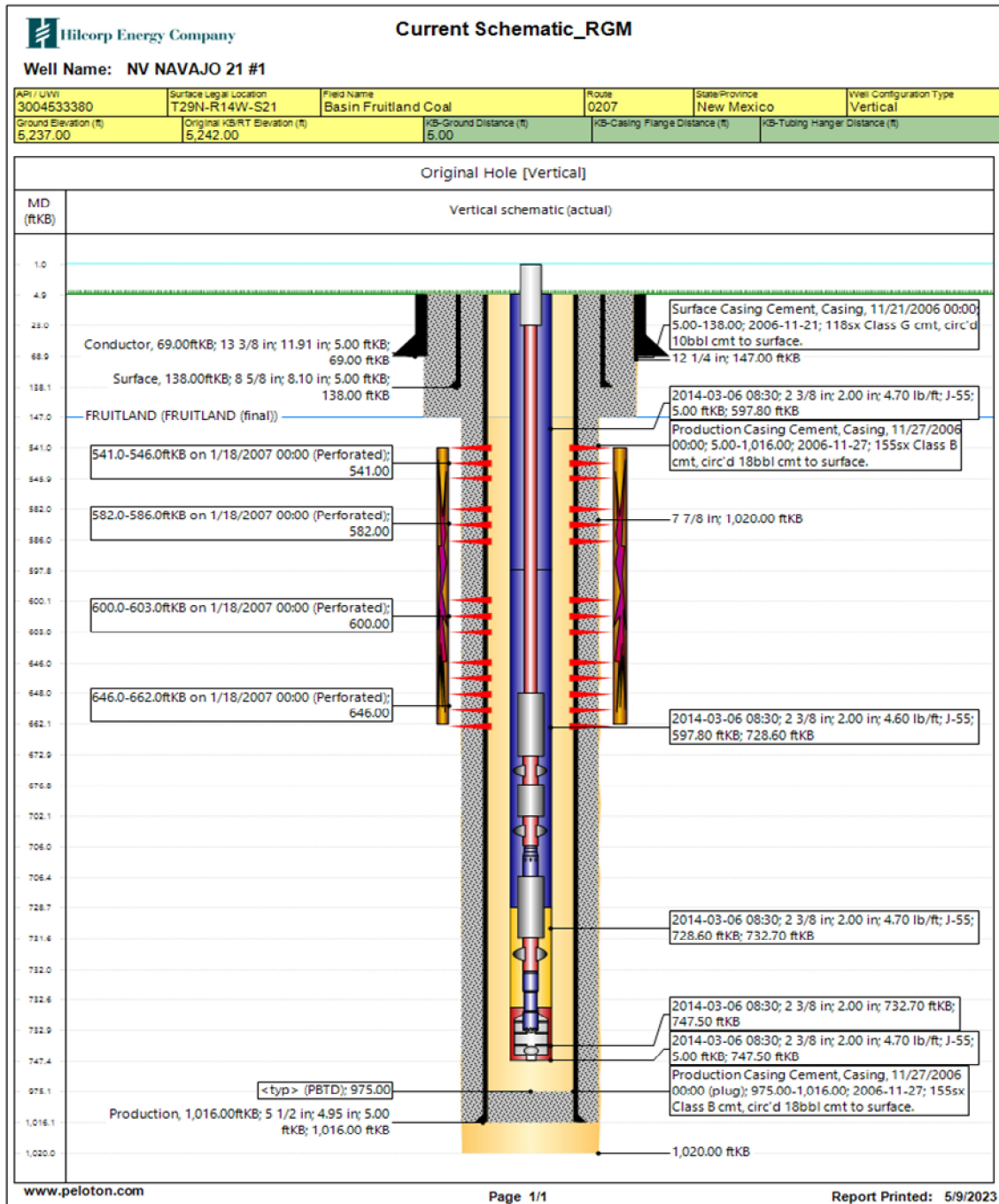
JOB PROCEDURES

- | | | |
|--|---------------------|--|
| <input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> | NMOCD
BLM/Navajo | Contact OCD and BLM/Navajo 24 hrs prior to MIRU. Comply with all NMOCD, BLM & Navajo, and HEC safety and environmental regulations. |
|--|---------------------|--|
1. MIRU service rig and associated equipment, remove drive head, prep to pull rods. Record all casing pressures on well.
 2. Release on/off tool if possible, POOH w/ rods, lay down.
 3. Load well, ND tree, NU BOPs and test.
 4. POOH w/ tbg pump on 2-3/8" production tbg, lay down.
 5. MU 5-1/2" 15.5# bit/scraper, clear csg to 500', POOH. RIH w/ 5-1/2" 15.5# CICR on pipe and set @ 491' (FRD Top Perf 541').
 6. Pressure test 5-1/2" & CICR to 560psi for 30min.
 7. **Plug #1 | 391' - 491' (FRD Top Perf 541')** Mix and pump 15sx (3.7 bbl) Class III Select cmt above CICR @ 491'.
 8. **Plug #2 | Surface - 197' (FRD Top 147' | Surface shoe: 138')** Circulate in 19sx (4.6 bbl) Class III Select cmt from 197' to surface to cover the Fruitland top & surface shoe.
 9. 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.
- Note** Class III "Select" cement: Neat, 1.37yld, 14.6ppg, 6.64gpsx mix wtr.



HILCORP ENERGY COMPANY
NV NAVAJO 21 1
NOTICE OF INTENT TO PERMANENTLY ABANDON

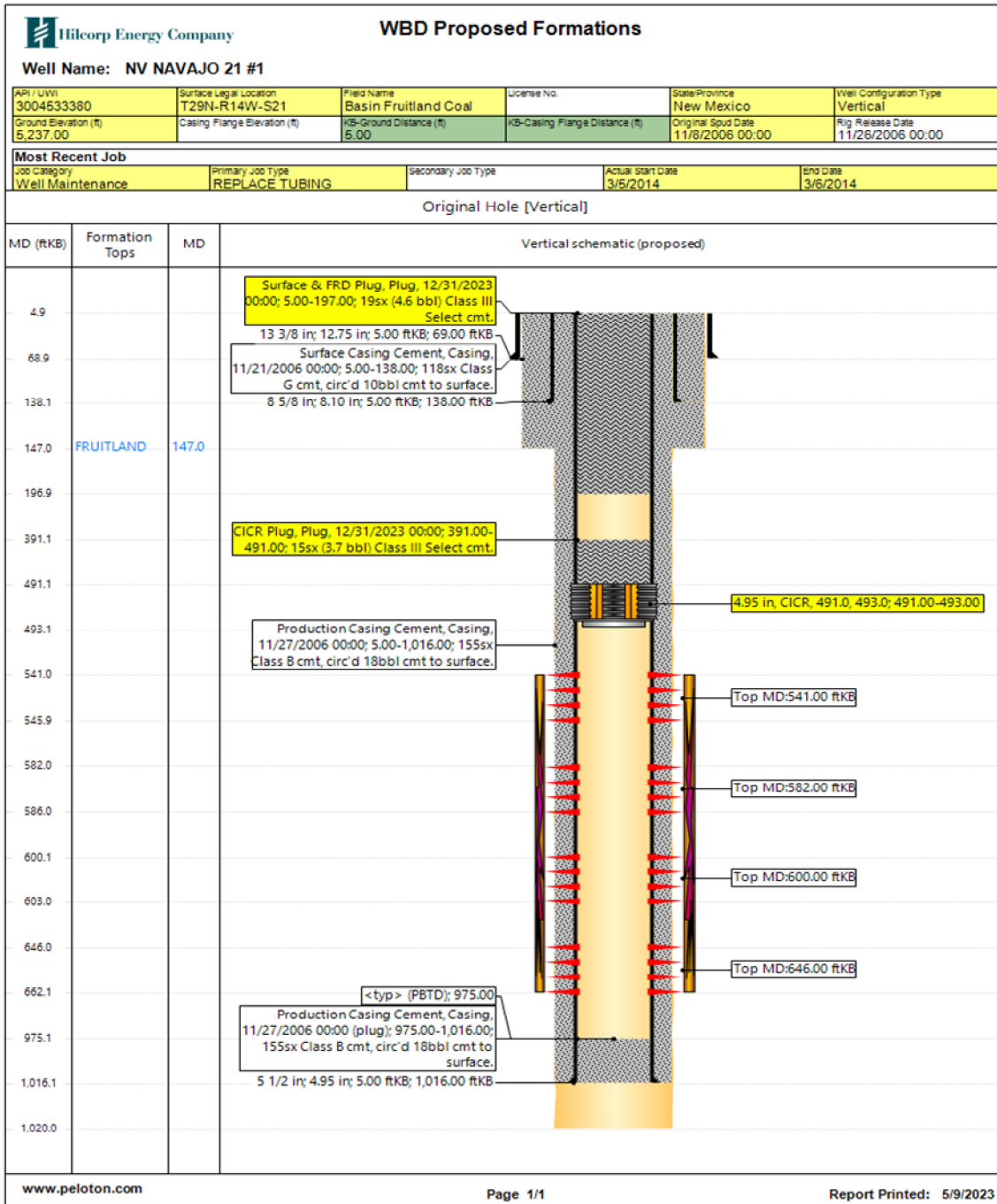
NV NAVAJO 21 1 - CURRENT WELLBORE SCHEMATIC





HILCORP ENERGY COMPANY
NV NAVAJO 21 1
NOTICE OF INTENT TO PERMANENTLY ABANDON

NV NAVAJO 21 1 - PROPOSED P&A SCHEMATIC



Hilcorp Energy
P&A Final Reclamation Plan
NV Navajo 21 #1
API: 30-045-33380
Sec.21-T029N-R014W-Unit G
Lat: 36.715125, Long: -108.310729
Footage: 1525' FNL & 1590' FEL
San Juan County, NM

1. PRE-RECLAMATION SITE INSPECTION

1.1) A pre-reclamation site inspection was completed by Hilcorp Energy and representatives from multiple government agencies on Tuesday June 6, 2023:

- Roger Herrera with the BLM
- Bertha Spencer with the BIA
- Belinda Chee with the Navajo Nation
- Johnnie Begay with the Navajo Nation
- Valjean Uentillie with the Navajo Nation
- Chad Perkins with Hilcorp Energy

2. LOCATION RECLAMATION PROCEDURE

- 2.1) Final reclamation work will be completed after the well is Plugged.
- 2.2) Remove perimeter fencing.
- 2.3) Remove all production equipment, anchors, and flowlines.
- 2.4) The produced water and gas pipelines will be abandoned in place. The pipelines run approximately ~2 tenths of a mile from the well pad to the mainline. The pipelines will be capped ~4' below grade and 50' off the well pad disturbance. The pipelines will also be capped at mainline ~4 below grade. The mainline pipeline will be blind flanged or capped off from the abandoned pipelines.
- 2.5) All nonnative aggregate will be scraped up and hauled off cut prior to ripping.
- 2.6) Rip compacted soil and walk down disturbed portion of well pad.
- 2.7) All trash and debris will be removed within 50' buffer outside of the location disturbance during reclamation.

3. ACCESS ROAD RECLAMATION PROCEDURE:

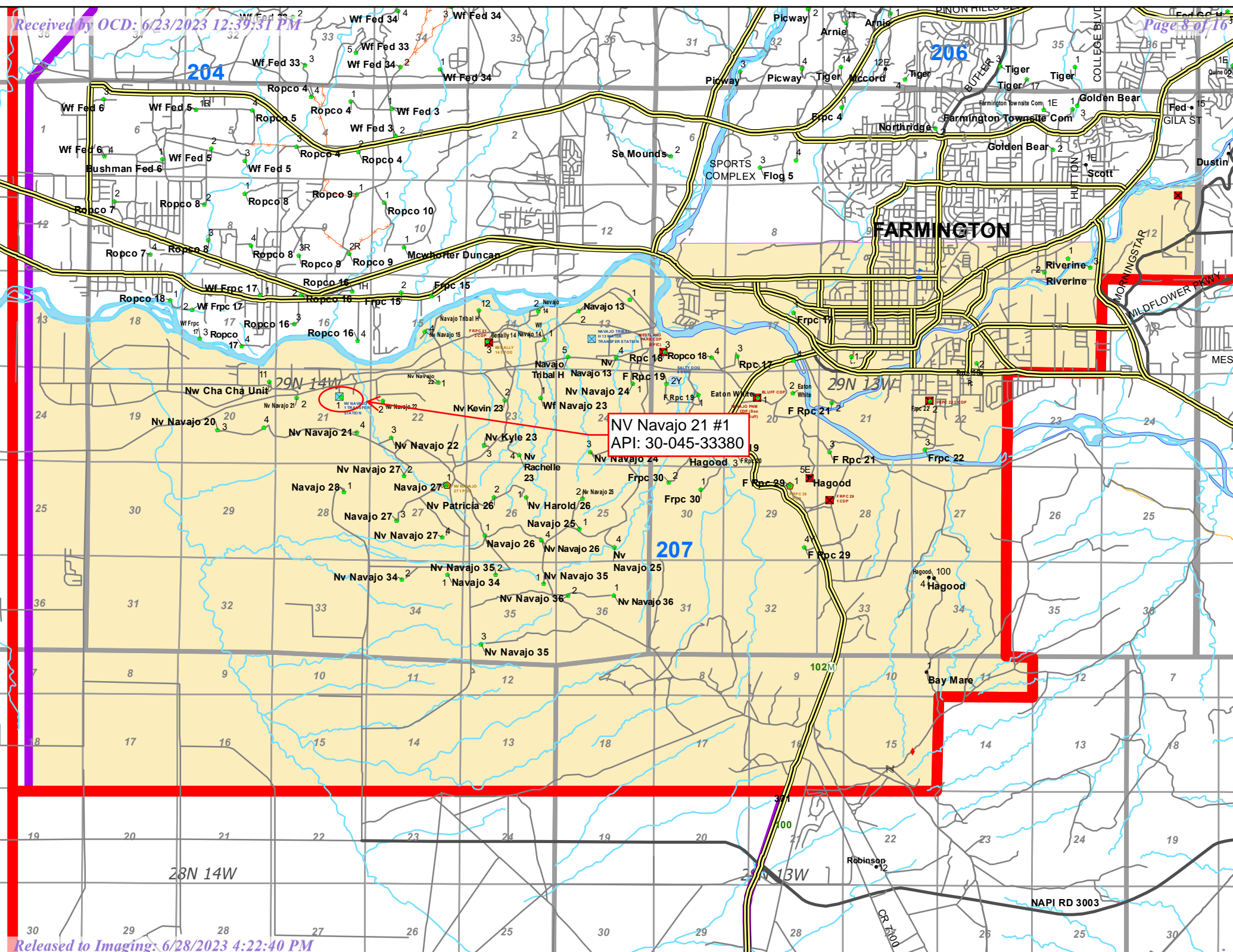
- 3.1) The main lease access road is approximately ~1 tenths of a mile long.
- 3.2) All culverts along lease access road will be removed prior to re-contouring.
- 3.3) Rip and re-contour ~1 tenths of a mile of lease access road with shallow swells, berms, and or silt traps as needed to match natural 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) The Badlands 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.



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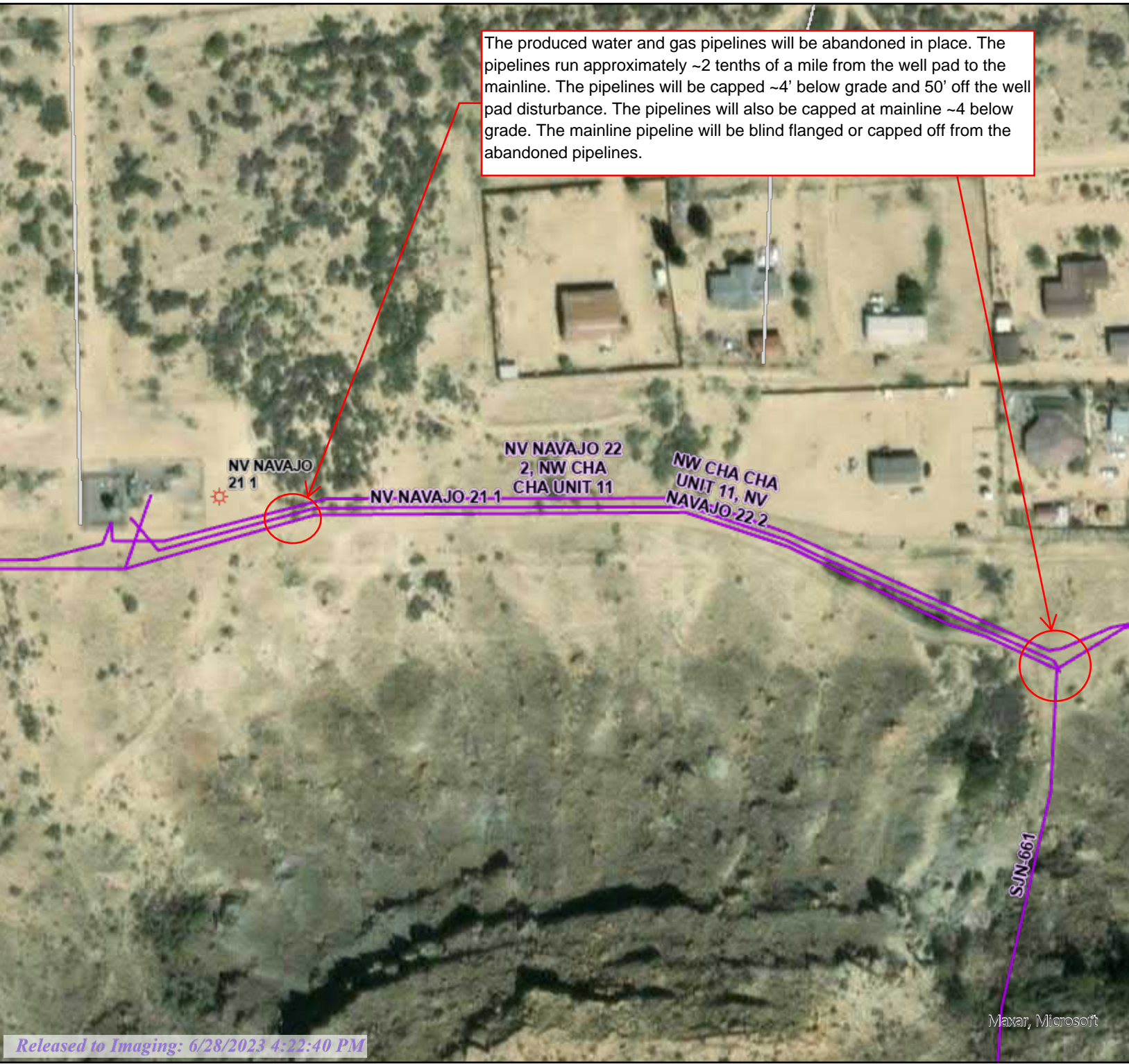
Date: 6/14/2023
Scale: 1:2,257 mi
0 0.01 0.03 0.04 0.06
N

Wells
Hilcorp Wells Surface Location

- Gas Well
- Hilcorp Operated Pipeline

- Hilcorp Boundaries
- Asset Teams
 - Supervisor Areas, outline

- Roads and Highways
- SJB Roads
- Road




Maxar, Microsoft

NV Navajo 21 #1

Reclamation Map.

Legend

 36.714896, -108.31928

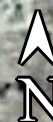
Rip compacted soil and walk down disturbed portion of well pad.

All nonnative aggregate will be scraped up and hauled off cut prior to ripping.

Remove perimeter fencing.

Google Earth

Released to Imaging: 6/28/2023 4:22:40 PM




100 ft


NV Navajo 21 #1

Lease Access Map.

Legend

 36.714896, -108.31928

Rip and re-contour ~1 tenths of a mile of lease access road with shallow swells, berms, and or silt traps as needed to match natural topography drainage features.

 36.715125, -108.310729

Google Earth

400 ft



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

AFMSS 2 Sundry ID 2736575

Attachment to notice of Intention to Abandon

Well: NV Navajo 21 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 06/22/2023

BLM FFO Fluid Minerals P&A Geologic Report

AFMSS ID: 2736575

Date Completed: 6/22/2023

Well No.	NV Navajo 21 #001	SHL	1525	FNL	1590	FEL
API No.	3004533380			Sec. 21	T29N	R14W
Lease No.	14206032199	BHL	Same			
Operator	Hilcorp Energy Company					
Elev. (KB)	5242	County	San Juan		State	NM
Total Depth	1020	PBTD	975	Formation	Fruitland coal	

Formation Top	TVD (ft KB)	Remarks
San Jose Fm.		
Nacimiento Fm.		
Ojo Alamo Ss		
Kirtland Fm.	Surface	Probable gas/water
Fruitland Fm.	147	Coal/gas/water
Pictured Cliffs Ss	665	Gas/water
Lewis Shale	904	
Chacra (upper)		
Cliff House Ss		
Menefee Fm.		
Point Lookout Fm.		
Mancos Shale		
Gallup		
Greenhorn Ls		
Graneros Shale		
Dakota Ss		
Morrison Fm.		

Remarks:

Reference Well:

- Fruitland coal perfs 541'- 664'.

1) Formation Tops
Same

Prepared by: Chris Wenman

**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 H₂S.

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), through the Automated Fluid Minerals Support System (AFMSS) 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 232239

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 232239
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
john.harrison	Accepted for record - NMOCD JRH 6/28/23. BLM approved P&A 6/22/23	6/28/2023