

Well Name: F-RPC 21	Well Location: T29N / R13W / SEC 21 / SWSW / 36.707032 / -108.218359	County or Parish/State: SAN JUAN / NM
Well Number: 3	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM0468128	Unit or CA Name: #3 F RPC 21-SW PICTURED CLIFFS	Unit or CA Number: NMNM135234
US Well Number: 3004531079	Well Status: Temporarily Abandoned	Operator: HILCORP ENERGY COMPANY

Notice of Intent

Sundry ID: 2706637

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 12/09/2022

Time Sundry Submitted: 11:09

Date proposed operation will begin: 01/09/2023

Procedure Description: Hilcorp Energy Company requests permission to P&A the subject well per the attached procedures, current and proposed wellbore schematics. A closed loop system will be used. A pre-disturbance site visit was not conducted as surface is Fee.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

FRPC_21_3_2023_PA_NOI_20221209110902.pdf

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Operator: HILCORP ENERGY COMPANY

Conditions of Approval

Additional

29N13W21MKpc_F_RPC_21_003_20221216122100.pdf

Authorized

General_Requirement_PxA_20221216133959.pdf

2706637_NOIA_3_3004531079_KR_12162022_20221216133949.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: DEC 09, 2022 11:09 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: 12/16/2022

Signature: Kenneth Rennick



HILCORP ENERGY COMPANY
FRPC 21 3
NOTICE OF INTENT TO PERMANENTLY ABANDON

API #:	3004531079
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JOB PROCEDURES

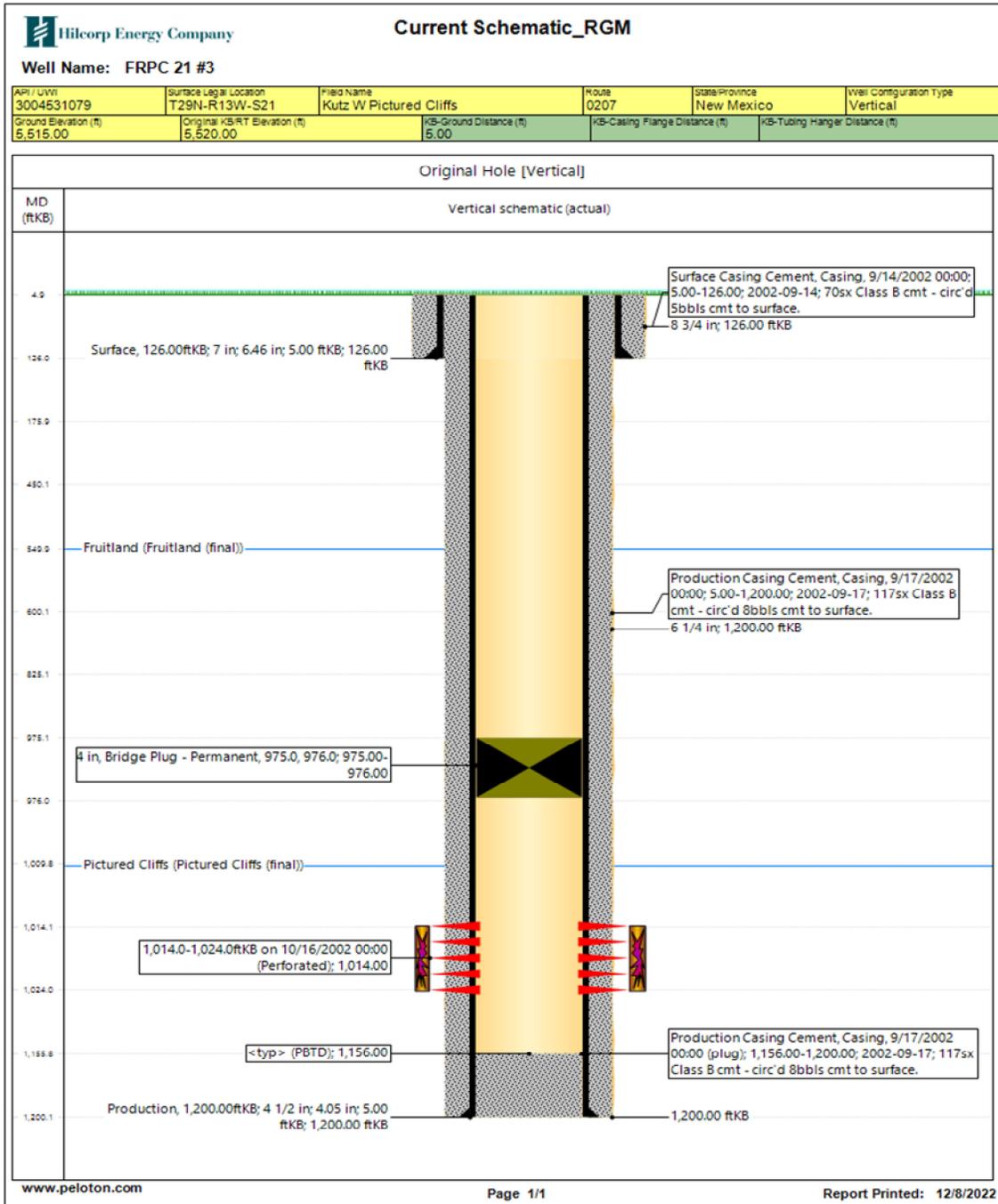
NMOCD **Contact OCD 24 hrs prior to MIRU. Comply with all NMOCD, BLM (where applicable), and HEC safety and environmental regulations.**

1. MIRU service rig and associated equipment, record all pressures on wellbore.
2. Load well, ND tree, NU BOPs and test.
3. RIH w/ 2-3/8" work string & tag CIBP in place @ 975'.
4. Load well with inhibited brine & circulate clean. Pressure test the csg to 560 psi. Monitor for 30 minutes.
5. **Plug #1 | 825' - 975' (CIBP @ 975' | PC Top Perf @ 1,014')** Pump 10sx of Class III "Select" cement and spot an inside plug over CIBP.
6. PUH w/ 2-3/8" work string to 600'.
7. **Plug #2 | 450' - 600' (Fruitland Top @ 550')** Pump 10sx of Class III "Select" cement and spot an inside plug to cover the FruitlandTop.
8. PUH w/ 2-3/8" work string to 176'.
9. **Plug #3 | Surface - 176' (Surface shoe @ 126')** Pump 12sx of Class III "Select" cement and spot an inside plug to cover the surface shoe.
10. LD tubing. ND BOP and cut off wellhead 5' below surface as per NMOCD. Top off cement at surface as needed. Weld new P&A maker.



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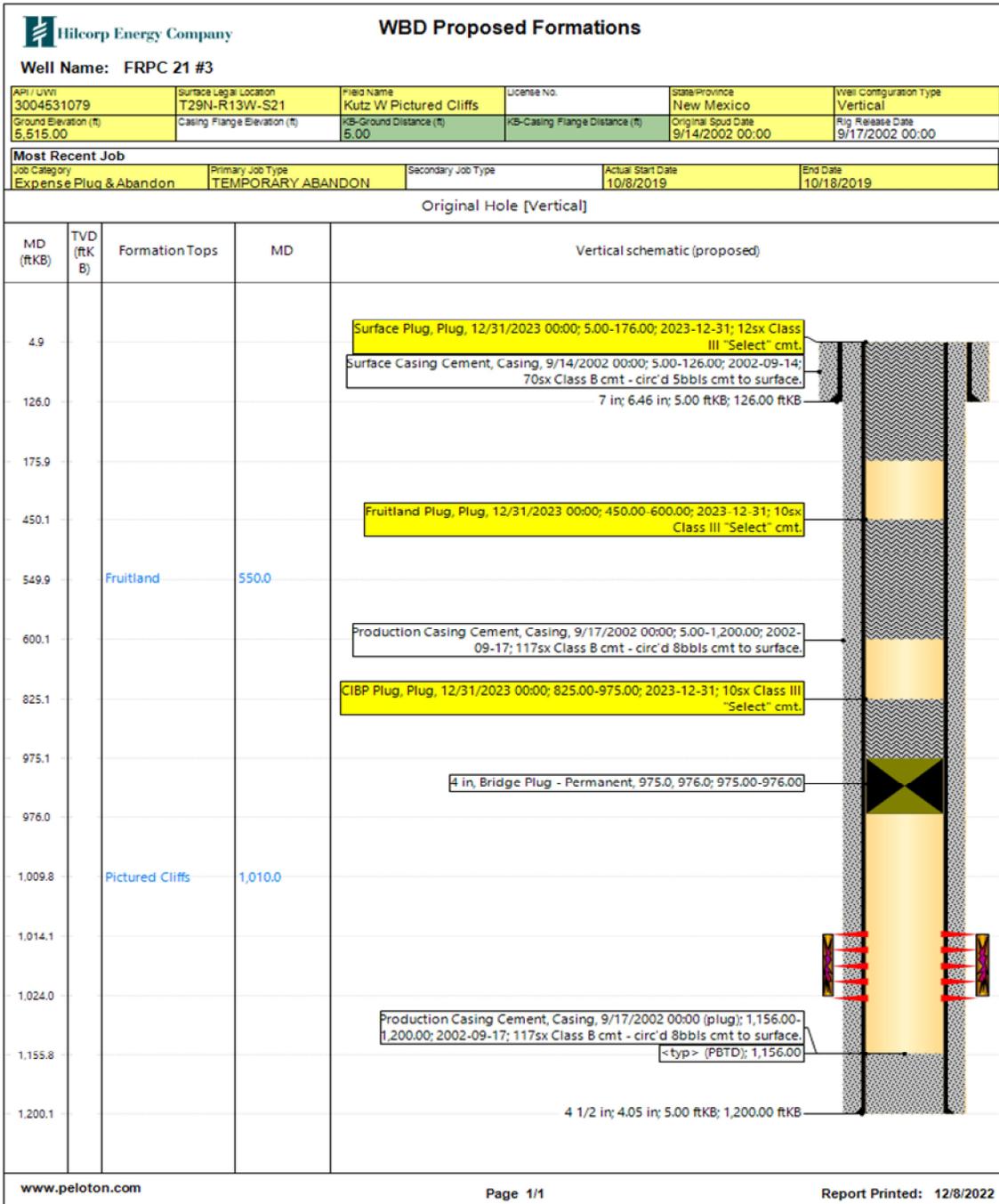
FRPC 21 3 - CURRENT WELLBORE SCHEMATIC





HILCORP ENERGY COMPANY
FRPC 21 3
NOTICE OF INTENT TO PERMANENTLY ABANDON

FRPC 21 3 - PROPOSED P&A SCHEMATIC



**BLM FLUID MINERALS
P&A Geologic Report**

Date Completed: 12/16/2022

Well No. F-RPC 21 #003 (API# 30-045-31079)	Location	762	FSL	&	660	FWL
Lease No. NMNM0468128	Sec. 21	T29N			R13W	
Operator Hilcorp Energy Company	County	San Juan		State	New Mexico	
Total Depth 1200'	PBTD 1156'	Formation Pictured Cliffs				
Elevation (GL)		Elevation (KB) 5295'				

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose					
Nacimiento					
Ojo Alamo Ss					
Kirtland Shale			Surface	550	Possible Gas/shallow water sands
Fruitland			550	1010	Coal/Gas/Water
Pictured Cliffs Ss			1010	PBTD	Gas
Lewis Shale					
Chacra					
Cliff House Ss					
Menefee					
Point Lookout Ss					
Mancos Shale					
Gallup					
Greenhorn					
Graneros Shale					
Dakota Ss					
Morrison					

Remarks:

P & A

- Pictured Cliffs perfs 1014' – 1024'.

Reference Well:

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), 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 2706637

Attachment to notice of Intention to Abandon

Well: F-RPC 21 3

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 12/16/2022

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 171727

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 171727
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	1/11/2023
kpickford	Adhere to BLM approved COAs and plugs. See BLM COAs and GEO report.	1/11/2023