

Well Name: SAN JUAN 30-5 UNIT	Well Location: T30N / R5W / SEC 15 / SWSE / 36.807379 / -107.342589	County or Parish/State: RIO ARRIBA / NM
Well Number: 243A	Type of Well: OTHER	Allottee or Tribe Name:
Lease Number: NMSF078997	Unit or CA Name: SAN JUAN 30-5 UNIT--FR	Unit or CA Number: NMNM78419D
US Well Number: 3003927805	Well Status: Gas Well Shut In	Operator: HILCORP ENERGY COMPANY

Notice of Intent

Sundry ID: 2660382

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 03/07/2022

Time Sundry Submitted: 08:52

Date proposed operation will begin: 05/02/2022

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 2/23/2022 with Roger Herrera/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

San_Juan_30_5_Unit_243A_P_A_Procedure_for_NOI_20220307093145.pdf

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Unit or CA Number: NMNM78419D

US Well Number: 3003927805

Well Status: Gas Well Shut In

Operator: HILCORP ENERGY COMPANY

Conditions of Approval

Additional

General_Requirement_PxA_20220509134816.pdf

2660382_NOIA_243A_3003927805_KR_05092022_20220509134741.pdf

30N05W15OKkf_San_Juan_30_5_Unit_243A_20220509124559.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: MAR 07, 2022 09:32 AM

Name: HILCORP ENERGY COMPANY

Title: Operations/Regulatory Technician

Street Address: 1111 TRAVIS ST.

City: HOUSTON

State: 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: 05/09/2022

Signature: Kenneth Rennick



P&A Procedure

General Information			
Well Name	San Juan 30-5 Unit 243A	Date:	3/7/2022
API:	30-039-27805	AFE #	
Field:	San Juan	County	Rio Arriba
Status:	Well is ACOI		
Subject:	Permanently P&A wellbore		
By:	M. Wissing		

Well Data

Surface Casing: 9-5/8" 32.3 J-55 at 229'

Production Casing: 7" J-55 20# at 3,190'

Production Drop off Liner: 5-1/2" J-55 15.5# at 3,140' – 3,410'

Production Tubing: 2-3/8" J-55 4.7# at 3,332'

Current Perforations: 3,274' – 3,312'

Current PBTD: 3,409' (Shoe)

SICP = 0 psig; SIBP: 0 psi

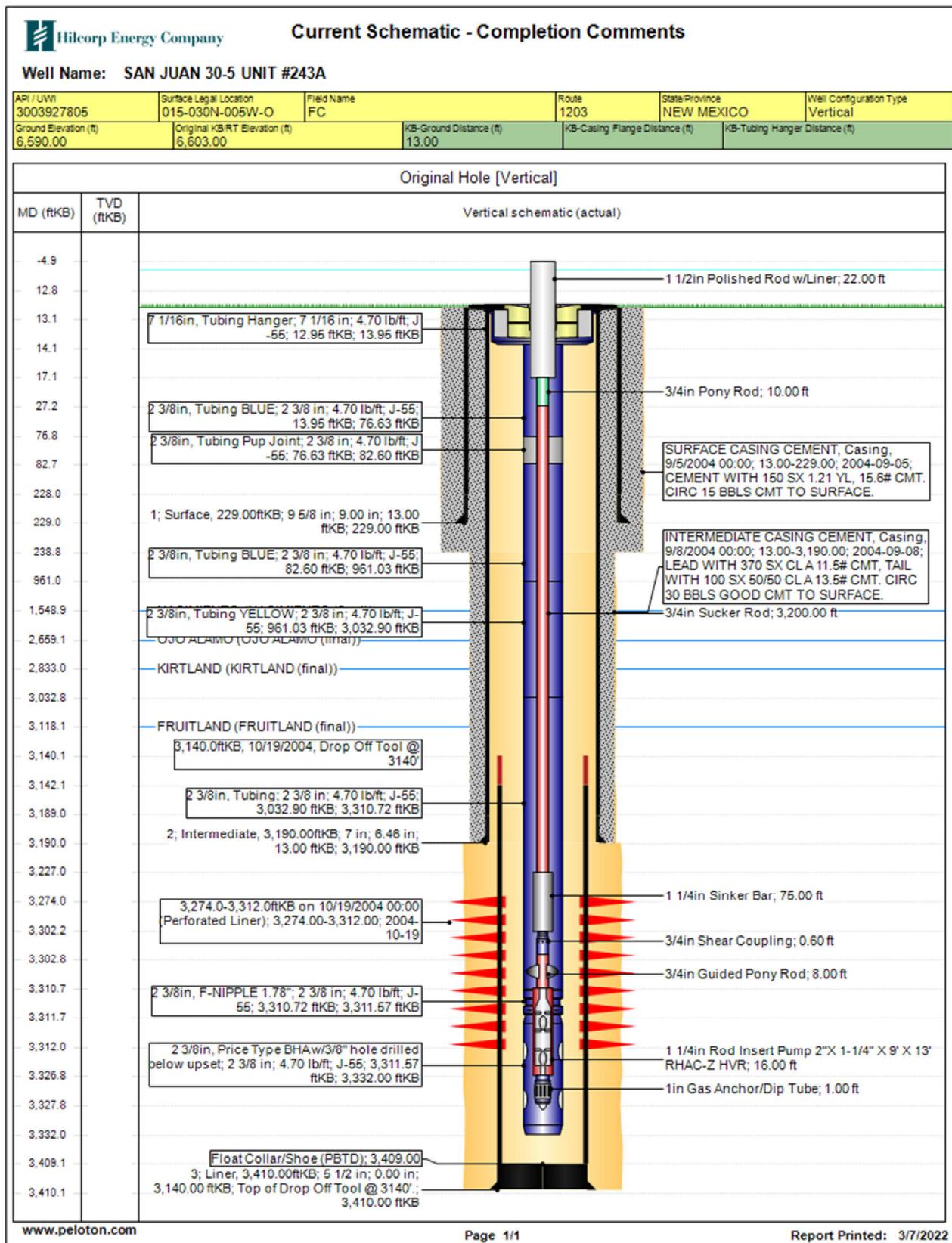
Hold PJSM prior to begin all operations. Properly document all operations via the JSA process. Ensure that all personnel onsite abide by HEC safety protocol, including PPE, housekeeping, and standard guidelines. Verify cathodic protection is off and wellhead instrumentation is properly disconnected from the wellhead. Comply with all NMOCD, BLM, and HEC safety and environmental regulations. Verify there is no H2S present prior to beginning operations. If any H2S 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 & BLM 24 hours prior to starting operations on location. This procedure is contingent upon P&A sundry approval by both the NMOCD and BLM.

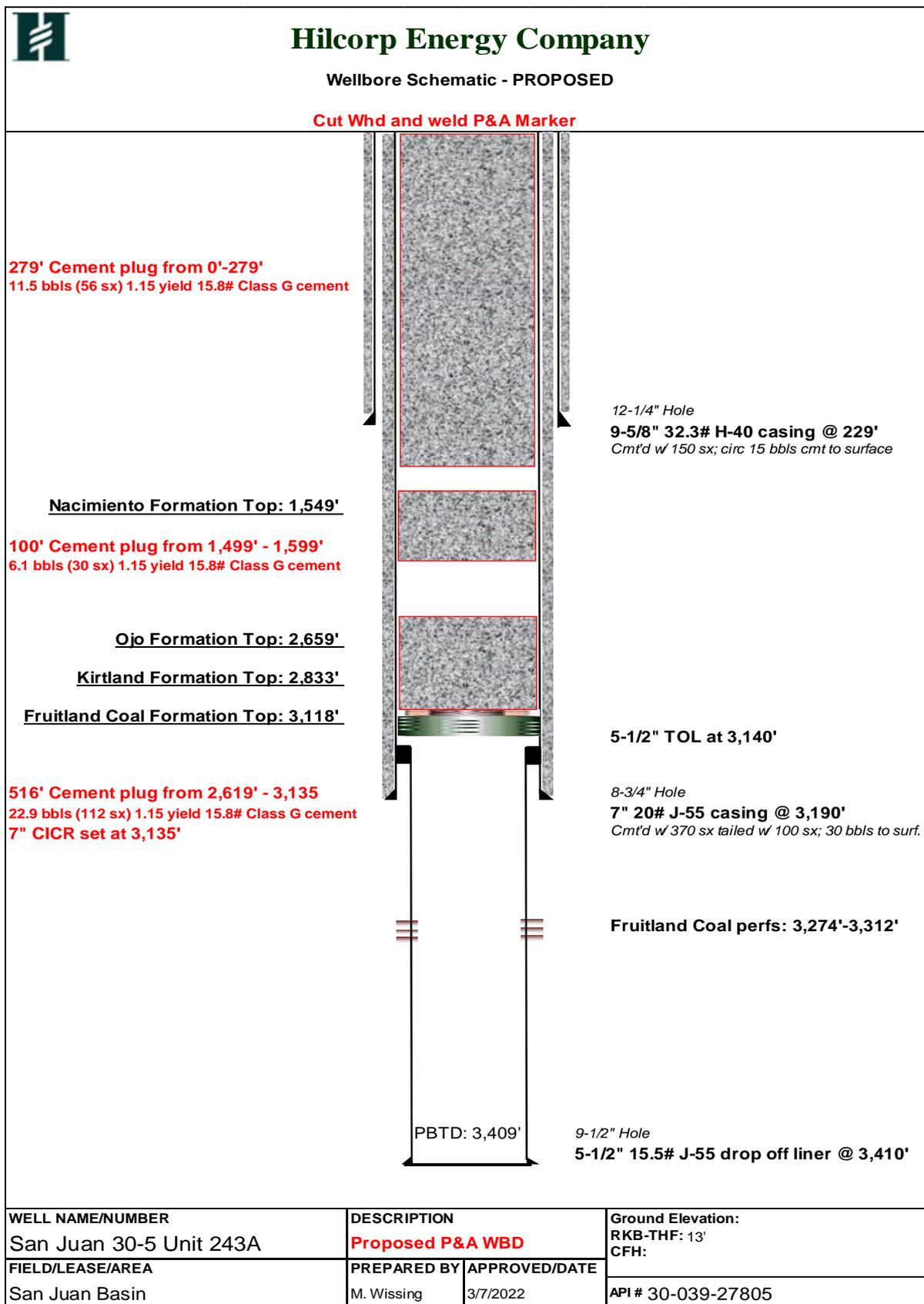
P&A Rig Procedure

1. MIRU P&A rig and equipment. Record pressures on all strings.
2. TOOH with rod string and insert pump.
3. NU BOP & test. Release tbg hanger and TOOH with production tbg.
4. RIH with 7" casing scraper to +/- 3,138' (5.5" liner top at 3,140')
5. MU 7" CICR and RIH with 2-3/8" work string. Set CICR at +/-3,135'.
 - a. **Top FRC perf at 3,274'**;
6. Load wellbore with KCl water and circulate wellbore clean. Pressure test the casing to 500 psi to verify wellbore integrity and plug set.
7. **Plug #1 (Top Fruitland Coal perf at 3,274', Fruitland top at 3,118', Top of Liner at 3,140', Kirtland top at 2,833', Ojo Top at 2,659')**: RU cementers and pump a 516' balanced cmt plug inside the 7" csg from 2,619'-3,135', using 22.9 bbls (112 sx) of 15.8+ ppg Class G cmt.
8. TOOH with tbg to 1,599'.
9. **Plug #2 (Nacimiento formation top at 1,549')**: RU cementers and pump a 100' balanced cmt plug inside the 7" csg from 1,499' – 1,599', using 6.1 bbls (30 sx) of 15.8+ ppg Class G cmt.
10. TOOH with tbg to 279'.
11. **Plug #3 (Surface & Surface casing shoe at 229')**: RU cementers and pump a 279' balanced cmt plug from Surface – 279' inside the 7" using 11. bbls (56 sx) of 15.8 ppg Class G cmt.
12. Verify all pressures on all strings are at 0 psi.
13. ND BOP. Tag cmt and top off wellbore as needed. Cutoff wellhead at surface and weld on P&A marker.
14. RDMO P&A rig.

CURRENT WELLBORE SCHEMATIC



PROPOSED WELLBORE SCHEMATIC



Hilcorp Energy

San Juan 30-5 Unit 243A

36.807513, -107.34200

API-30-039-27805

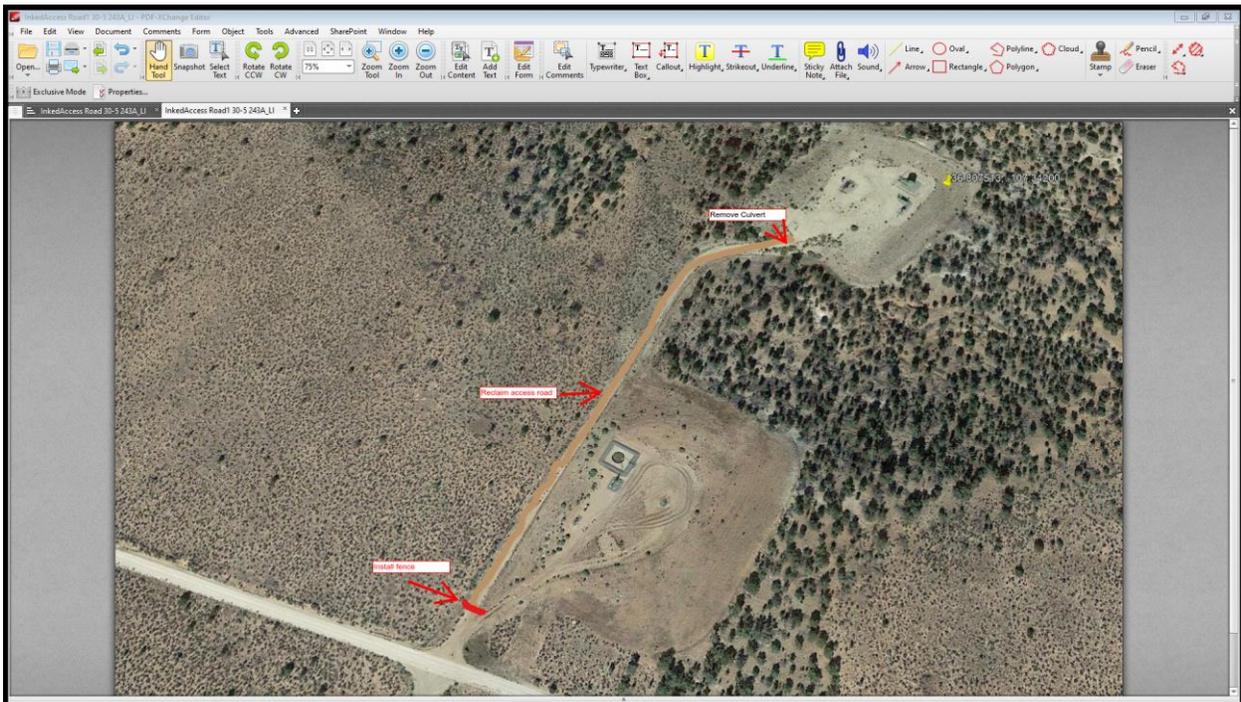
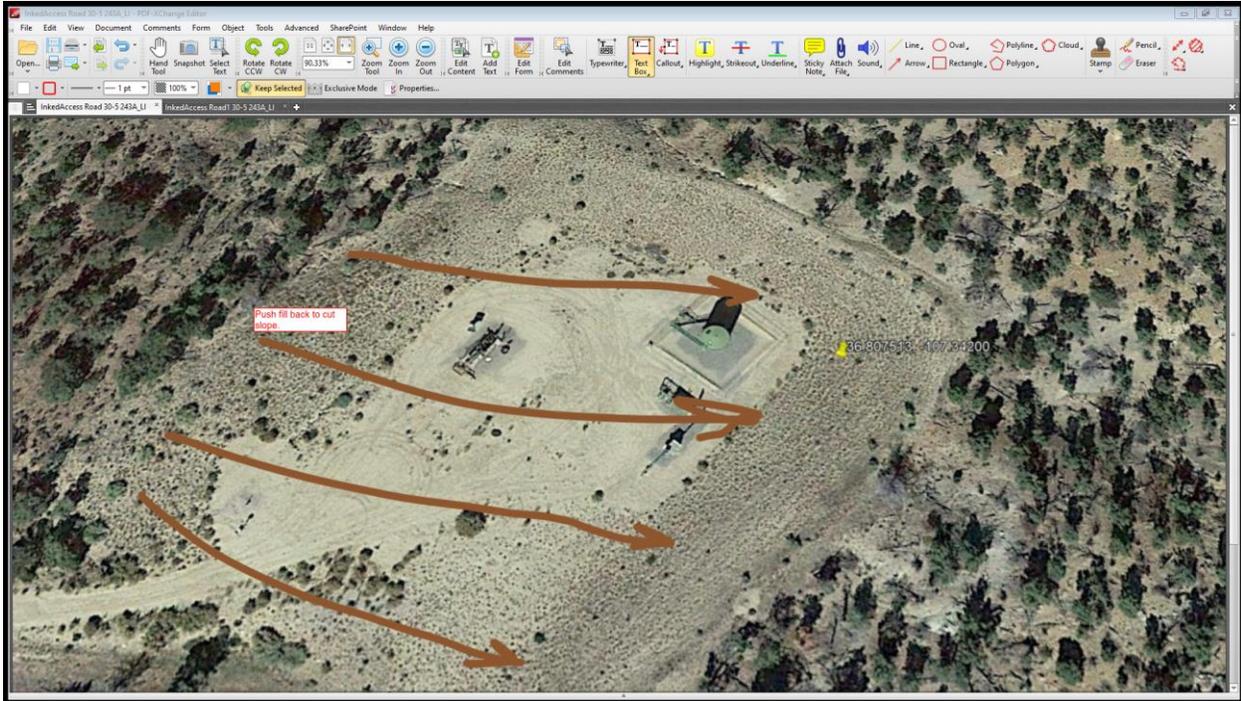
30N-05W SEC 15

Final Reclamation Plan

Onsite Completed on 2/23/2022 with Roger Herrera

Pick up and remove all trash, metal, cable, and any foreign debris within 100' of location.

1. Remove anchors.
2. Strip equipment off of facility.
3. Remove piping and cables.
4. P&A Cathodic well. Remove power back at the disconnect.
5. HEC to remove meter run and piping back to dog leg.
6. Bury gravel in fill slope.
7. Push fill from northwest of location back to cut slope, re-creating natural rolling terrain.
8. Reclaim access road. Remove culvert. Fence access road at the main road using T-Post and woven wire, 3 strand fence with braces on each end. T-Post shall be a maximum of 10' apart.
9. Rip compacted soil, leaving rough terrain.
10. Re-seed all disturbed areas. Drill where applicable at rate per acre defined by seed mix, and broadcast seed and harrow, at double the rate, all other disturbed areas. Pinion/Juniper seed mix will be used.



**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.

(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 2660382

Attachment to notice of Intention to Abandon

Well: San Juan 30-5 Unit 243A

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 5/9/2022

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

Date Completed: 05/09/2022

Well No. San Juan 30-5 Unit #243A (API# 30-039-27805)	Location	738	FSL	&	2008	FEL
Lease No. NMSF-078997	Sec. 15	T30N			R05W	
Operator Hilcorp Energy Company	County	Rio Arriba		State	New Mexico	
Total Depth 3410'	PBTD 3409'	Formation Fruitland Coal				
Elevation (GL) 6590'		Elevation (KB) 6603'				

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm	Surface	1549			Surface/possible freshwater sands
Nacimiento Fm	1549	2659			Possible freshwater sands
Ojo Alamo Ss	2659	2833			Aquifer (possible freshwater)
Kirtland Shale	2833	3118			
Fruitland Fm	3118	3359			Coal/Gas/Water
Pictured Cliffs Ss	3359	PBTD			Probable 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

- No well log available. Operator tops are acceptable based on the well file data and offset wells.
- The plugs proposed in the P&A procedure will adequately protect any freshwater sands in this well bore.
- Fruitland perms 3274' – 3312'.

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 105553

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 105553
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	5/13/2022
kpickford	Adhere to BLM approved COAs and plugs. See GEO report.	5/13/2022