

Well Name: SAN JUAN 27-5 UNIT	Well Location: T27N / R5W / SEC 35 / NESW / 36.52763 / -107.32979	County or Parish/State: RIO ARRIBA / NM
Well Number: 144	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF079439A	Unit or CA Name: SAN JUAN 27-5 UNIT--DK	Unit or CA Number: NMNM78409A
US Well Number: 3003920467	Well Status: Producing Gas Well	Operator: HILCORP ENERGY COMPANY

Notice of Intent

Sundry ID: 2724905

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 04/10/2023

Time Sundry Submitted: 06:27

Date proposed operation will begin: 04/24/2023

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 4/4/23 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

27_5_144_Final_Reclamation_Plan_20230410062645.pdf

SJ_27_5_Unit_144_P_A_NOI_20230410062550.pdf

Accepted for record – NMOCD

JRH 0503/2023

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Conditions of Approval

Additional

27N05W35KKd_San_Juan_27_5_Unit_144_20230412160607.pdf

Authorized

2724905_NOIA_144_3003920467_KR_04122023_20230412174653.pdf

General_Requirement_PxA_20230412174621.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: APR 10, 2023 06:26 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: 04/12/2023

Signature: Kenneth Rennick



HILCORP ENERGY COMPANY

San Juan 27-5 Unit 144

NOTICE OF INTENT TO PERMANENTLY ABANDON

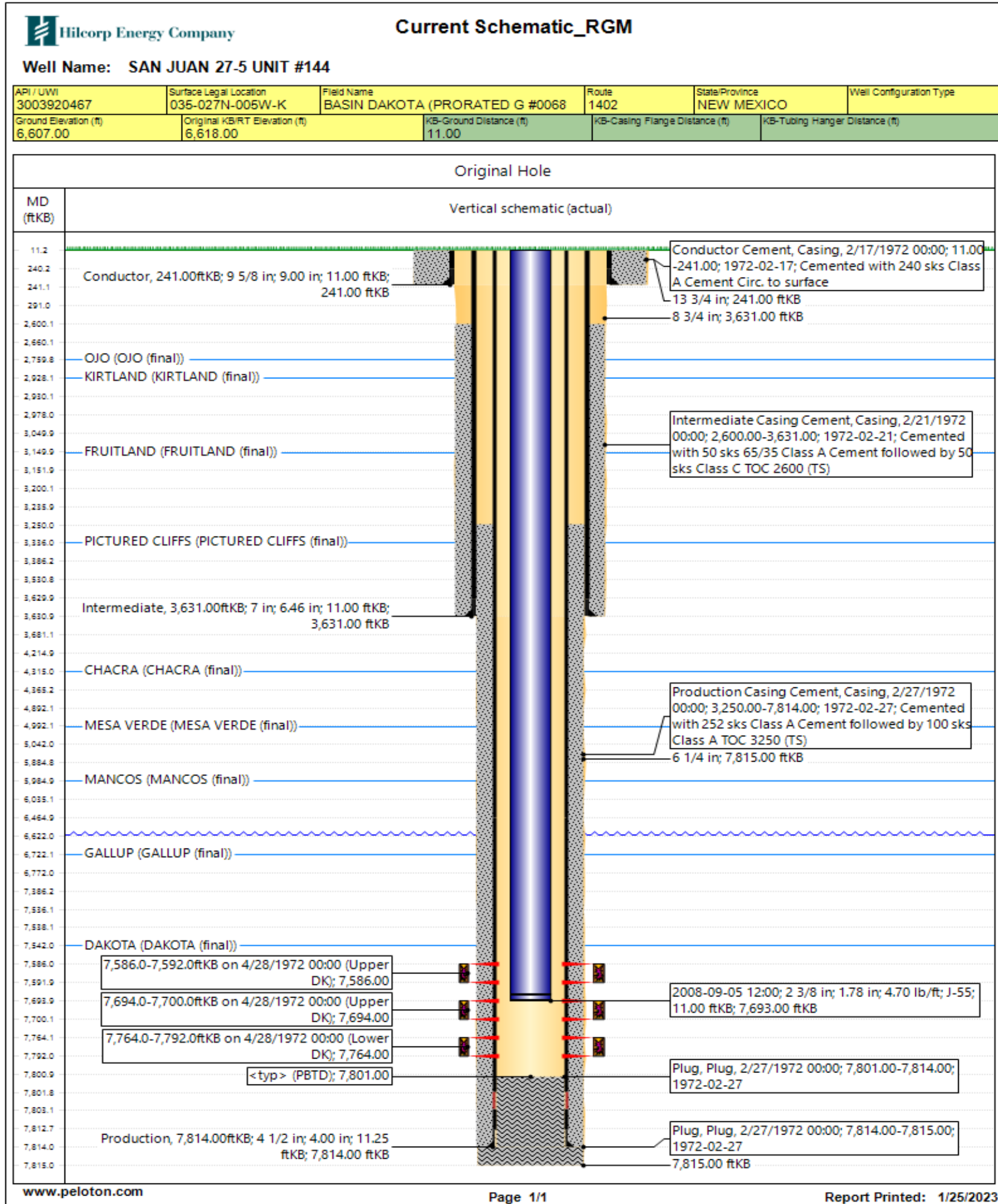
API #:	3003920467
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JOB PROCEDURES		
<input checked="" type="checkbox"/>	NMOCD	Contact OCD and BLM (where applicable) 24 hrs prior to MIRU. Comply with all NMOCD, BLM (where applicable), and HEC safety and environmental regulations.
<input checked="" type="checkbox"/>	BLM	
1. MIRU service rig and associated equipment, record all pressures on wellbore.		
2. Load well, ND tree, NU BOPs and test.		
3. TOOH w/ 2-3/8" 4.7# EUE J55 tbg set at 7,693'.		
4. MU 4-1/2" 11.6# GR, clear csg to 7,550', POOH. MU 4-1/2" 11.6# CIBP and set @ 7,536' (DK Top Perf @ 7,586').		
5. Load well with inhibited brine & circulate clean. Pressure test the csg to 560 psi. Monitor for 30 minutes. Run CBL from 7,536' to surface. <i>All plugs below subject to change pending CBL results.</i>		
6. Plug #1 7,386' - 7,536' (CIBP @ 7,536' Dakota Top Perf: 7,586') Pump 10sx (2.4bbl) Class III "Select" cement and spot a 150' inside plug over the CIBP.		
7. Plug #2 6,622' - 6,772' (Gallup Top @ 6,722') Pump 10sx (2.4bbl) Class III "Select" cement and spot a 150' inside plug over the Gallup Top.		
8. Plug #3 5,885' - 6,035' (Mancos Top @ 5,985') Pump 10sx (2.4bbl) Class III "Select" cement and spot a 150' inside plug over the Mancos Top.		
9. Plug #4 4,892' - 5,042' (Cliff House Top @ 4,992') Pump 10sx (2.4bbl) Class III "Select" cement and spot a 150' inside plug over the Cliff House Top.		
10. Plug #5 4,215' - 4,365' (Chacra Top @ 4,315') Pump 10sx (2.4bbl) Class III "Select" cement and spot a 150' inside plug over the Chacra Top.		
11. Plug #6 3,531' - 3,681' (7" casing shoe @ 3,631') Pump 10sx (2.4bbl) Class III "Select" cement and spot a 150' inside plug over the 7" shoe.		
12. Plug #7 3,236' - 3,386' (Pictured Cliffs Top @ 3,336') Pump 10sx (2.4bbl) Class III "Select" cement and spot a 150' inside plug over the Pictured Cliffs Top.		
13. Perf circ holes in 4-1/2" & 7" @ 3,200'. Establish circulation up all annuli and/or injection. Set 4-1/2" 11.6# CICR @ 3,150'. Plug #8 3,050' - 3,200' (Fruitland Top @ 3,150') Mix and circulate in a 25sx (6.1bbl) Class III "Select" balanced cement plug, spot the inside/outside plug to cover the Fruitland Top.		
14. Perf circ holes in 4-1/2" & 7" @ 2,978'. Establish circulation up all annuli and/or injection. Set 4-1/2" 11.6# CICR @ 2,928'. Plug #9 2,660' - 2,978' (Ojo Top @ 2,760' Kirtland Top @ 2,928') Mix and circulate in a 53sx (12.9bbl) Class III "Select" balanced cement plug, spot the inside/outside plug to cover the Ojo & Kirtland Tops.		
15. Perf circ holes in 4-1/2" & 7" @ 291'. Establish circulation up all annuli and/or injection. Plug #10 11' - 291' (Surface Shoe @ 241') Mix and circulate in a 60sx (14.6bbl) Class III "Select" balanced cement plug, spot the inside/outside plug to cover the surface shoe from 291' to surface. Circulate cmt to surface on all annuli.		
16. 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
San Juan 27-5 Unit 144
NOTICE OF INTENT TO PERMANENTLY ABANDON

San Juan 27-5 Unit 144 - CURRENT WELLBORE SCHEMATIC



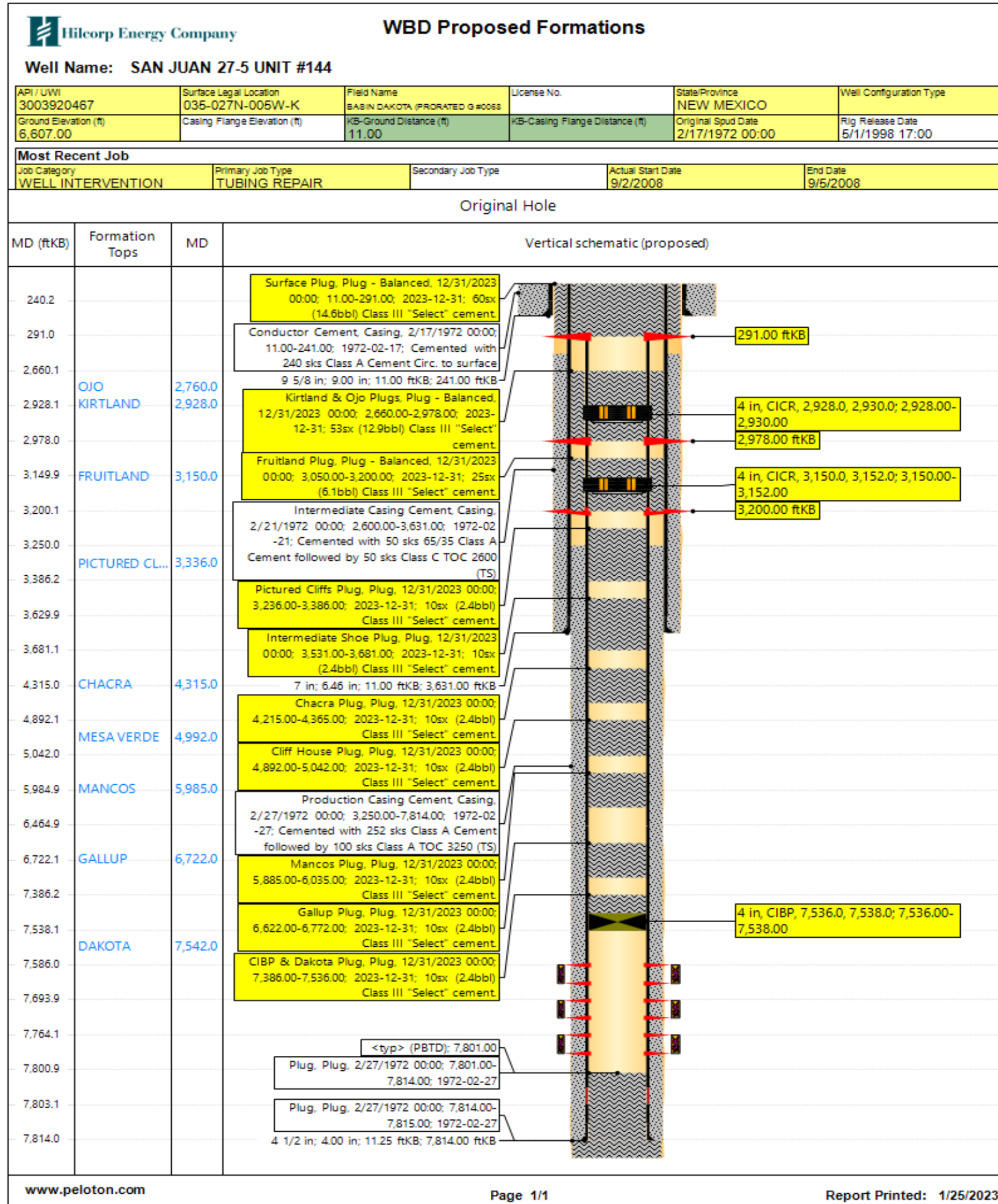


HILCORP ENERGY COMPANY

San Juan 27-5 Unit 144

NOTICE OF INTENT TO PERMANENTLY ABANDON

San Juan 27-5 Unit 144 - PROPOSED P&A SCHEMATIC

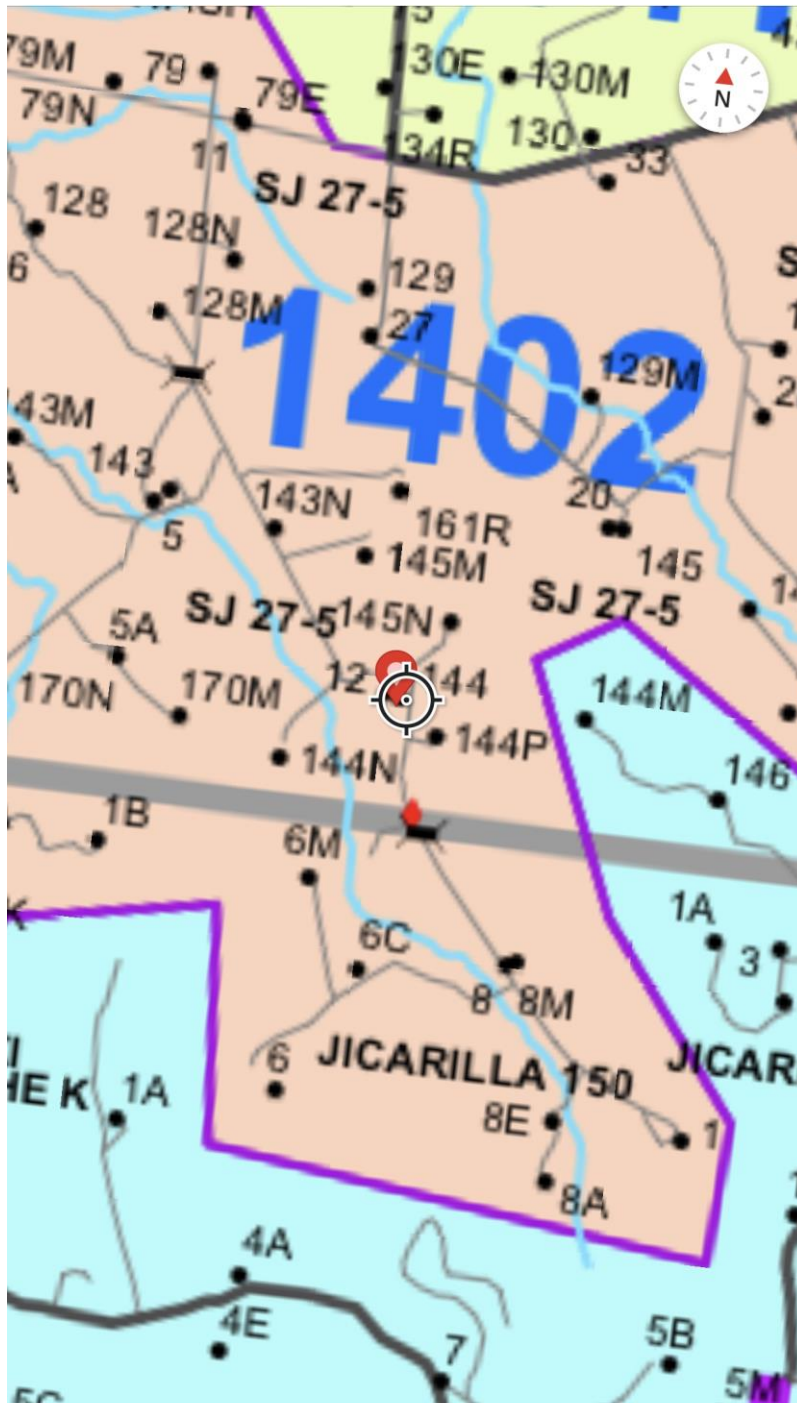


Hilcorp Energy
San Juan 27-5 Unit 144
36.52763, -107.32979
API-30-039-20467
27N-05W SEC 35
Final Reclamation Plan

Onsite Completed on 4/4/2023 with Roger Herrera

1. Pick up and remove all trash, metal, cable, and any foreign debris within 100' of location.
2. Remove anchors.
3. Strip equipment off facility.
4. Remove piping and cables.
5. Harvest to remove meter run and piping back to dog leg.
6. Bury gravel in fill slope.
7. Push fill from the west side of location back to cut slope on the east side, re-creating natural terrain.
8. Build silt trap at the head of the cut slope if needed.
9. Close access road.
10. Rip compacted soil, leaving rough terrain.
11. Re-seed all disturbed areas. Drill where applicable at rate per acre defined by seed mix (3 acres), and broadcast seed and harrow, at double the rate, all other disturbed areas. Pinion/Juniper seed mix will be used.





BLM FLUID MINERALS P&A Geologic Report

Date Completed: 4/12/2023

Well No. San Juan 27-5 Unit #144 (API# 30-039-20467)	Location	1650	FSL	&	1840	FWL
Lease No. NMSF079439A	Sec. 35	T27N			R05W	
Operator Hilcorp Energy Company	County	Rio Arriba		State	New Mexico	
Total Depth 7815'	PBTD 7801'	Formation Dakota				
Elevation (GL)		Elevation (KB) 6618'				

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose			Surface	1292	Surface/possible freshwater sands
Nacimiento			1292	2760	Possible freshwater sands
Ojo Alamo Ss			2760	2928	Aquifer (possible freshwater)
Kirtland Shale			2928	3150	Possible gas
Fruitland			3150	3336	Coal/Gas/Water
Pictured Cliffs Ss			3336	3422	Probable Gas
Lewis Shale			3422	4315	
Chacra			4315	4992	Possible Gas
Cliff House Ss			4992	5110	Water/possible gas
Menefee			5110	5434	Coal/Ss/Water/possible gas
Point Lookout Ss			5434	5985	
Mancos Shale			5985	6722	Probable O&G
Gallup			6722	7462	Probable O&G
Greenhorn			7462	7517	
Graneros Shale			7517	7654	O&G
Dakota Ss			7654	PBTD	O&G/water
Morrison					

Remarks:

P & A

- Sundry ID: 2724905
- BLM pick for the Dakota formation top varies from Operator. No plug change required.
- Add an inside/outside plug to cover the Nacimiento formation top at 1292'.
- Dakota perms 7586' – 7792'.

Reference Well:

1) **Formation Tops (Dakota to Chacra)**
Same

2) **Formation Tops (Lewis to Surface)**

Hilcorp Energy Company
Jicarilla 150 #006M
30-039-22057
Lot D, Sec. 02, T26N, R05W
6638' KB elev.

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 2724905

Attachment to notice of Intention to Abandon

Well: San Juan 27-5 Unit 144

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. The following modifications to your plugging program are to be made:
 - a. Add an inside/outside plug to cover the Nacimiento formation top at 1292'.
3. 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 04/12/2023

**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 207143

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 207143
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
john.harrison	Adhere to BLM approved COAs and plugs. See BLM COAs and GEO report.	5/3/2023