Sundry Print Report

U.S. Department of the Interior BUREAU OF LAND MANAGEMENT

Well Name: SAN JUAN 28-5 UNIT Well Location: T28N / R5W / SEC 23 /

SWSE / 36.641307 / -107.326049

County or Parish/State: RIO

ARRIBA / NM

Well Number: 103M Type of Well: CONVENTIONAL GAS

WELL

Allottee or Tribe Name:

Lease Number: NMSF079519A Unit or CA Name: SAN JUAN 28-5

UNIT--DK, SAN JUAN 28-5 UNIT--MV

Unit or CA Number: NMNM78411A, NMNM78411B

US Well Number: 3003925957 Operator: HILCORP ENERGY

COMPANY

Notice of Intent

Sundry ID: 2790585

Type of Submission: Notice of Intent

Type of Action: Temporary Abandonment

Date Sundry Submitted: 05/15/2024 Time Sundry Submitted: 12:19

Date proposed operation will begin: 06/05/2024

Procedure Description: Hilcorp Energy Company requests permission to Temporarily Abandon the subject well for future potential per the attached procedure and current/proposed wellbore schematic. A closed-loop system will be used. The lease is being held by other production.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

2024_05_13___SAN_JUAN_28_5_UNIT_103M___TA_NOI_20240515121853.pdf

Page 1 of 2

eceived by OCD: 5/17/2024 9:28:12 AM Well Name: SAN JUAN 28-5 UNIT

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Operator: HILCORP ENERGY

COMPANY

Unit or CA Number: NMNM78411A, NMNM78411B

Conditions of Approval

Specialist Review

San Juan 28 5 Unit 103M ID 2790585 TA COAs MHK 5.16.2024 20240516155941.pdf

San_Juan_28_5_Unit_103M_ID_2790585_Geo_Report_MHK_20240516153702.pdf

General_Requirement_PxA_20240516152604.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: TAMMY JONES Signed on: MAY 15, 2024 12:19 PM

Name: HILCORP ENERGY COMPANY Title: Regulatory Compliance Specialist

Street Address: 382 ROAD 3100

City: AZTEC State: NM

Phone: (505) 324-5185

Email address: TAJONES@HILCORP.COM

Field

Representative Name:

Street Address:

City: State:

Phone:

Email address:

BLM Point of Contact

Signature: Matthew Kade

BLM POC Name: MATTHEW H KADE BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647736 BLM POC Email Address: MKADE@BLM.GOV

Disposition: Approved Disposition Date: 05/17/2024

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Zip:



HILCORP ENERGY COMPANY SAN JUAN 28-5 UNIT 103M TA NOI

API#:

3003925957

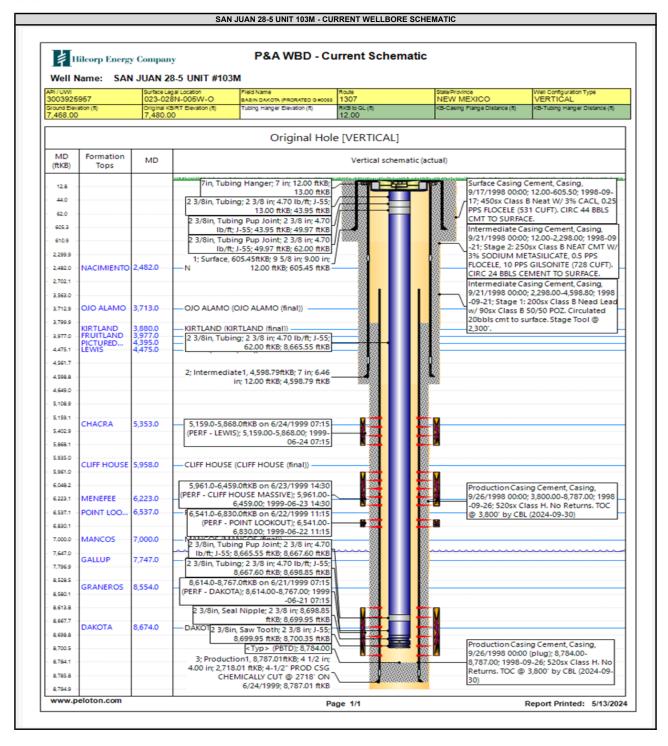
JOB PROCEDURES

- 1. Contact NMOCD and BLM (where applicable) 24 hours prior to MIRU.
- 2. Hold pre-job safety meeting. Verify cathodic is off. Comply with all NMOCD, BLM, and HEC safety and environmental regulations.
- 3. MIRU service rig and associated equipment; NU and test BOP.
- 4. Set a 4-1/2" CIBP or CICR at +/- 8,580' to isolate the DK Perfs.
- 5. *NOTE: The following plugs are designed based on the CBL run on 09-30-1998.
- 6. PU & TIH w/ work string to +/- 8.580'.
- 7. PLUG #1: 12sx of Class G Cement (15.8 PPG, 1.15 yield); DK Top @ 8,674' | DK Perfs @ 8,614' | GRN Top @ 8,554':
 Pump a 12 sack balanced cement plug inside the 4-1/2" casing (est. TOC @ +/- 8,430' & est. BOC @ +/- 8,580'). Wait on Cement for 4 hours, tag TOC w/ work string. *Note cement plug lengths & volumes account for excess.
- 8. POOH w/ work string to +/- 7,797'.
- 9. PLUG #2: 12sx of Class G Cement (15.8 PPG, 1.15 yield); GAL Top @ 7,747':
 Pump a 12 sack balanced cement plug inside the 4-1/2" casing (est. TOC @ +/-7,647' & est. BOC @ +/-7,797'). Wait on Cement for 4 hours, tag TOC w/ work string. *Note cement plug lengths & volumes account for excess.
- 10. POOH w/ work string to +/- 7,050'.
- 11. PLUG #3: 12sx of Class G Cement (15.8 PPG, 1.15 yield); MCS Top @ 7,000':
 Pump a 12 sack balanced cement plug inside the 4-1/2" casing (est. TOC @ +/- 6,900' & est. BOC @ +/- 7,050'). Wait on Cement for 4 hours, tag TOC w/ work string. *Note cement plug lengths & volumes account for excess.
- 12. Set a 4-1/2" CICR at +/- 5.933' to isolate the MV Perfs. TIH with work string, sting into CICR, establish injection.
- 13. PLUG #4: 12sx of Class G Cement (15.8 PPG, 1.15 yield); MV Perfs @ 5,961' | MV Top @ 5,958':
 Pump 6sx of cement beneath the 4-1/2" CICR (est. TOC @ +/- 5,933' & est. BOC @ +/- 6,008'). Sting out of retainer, pump a 6 sack balanced cement plug on top of the CICR. (est. TOC @ +/- 5,858' & est. BOC @ +/- 5,933'). Wait on Cement for 4 hours, tag TOC w/ work string.
- 14. Set a 4-1/2" CICR at +/- 5,109' to isolate the Lewis Perfs. TIH with work string, sting into CICR, establish injection.
- 15. PLUG #5: 31sx of Class G Cement (15.8 PPG, 1.15 yield); Lewis Perfs @ 5,159' | CHC Top @ 5,353':

 Pump 23sx of cement beneath the 4-1/2" CICR (est. TOC @ +/- 5,109' & est. BOC @ +/- 5,403'). Sting out of retainer, pump an 8 sack balanced cement plug on top of the CICR. (est. TOC @ +/- 5,009' & est. BOC @ +/- 5,109'). Wait on Cement for 4 hours, tag TOC w/ work string.
- 16. Load the well as needed. Pressure test the casing above the plug to 560 psig.
- 17. TOOH w/ work string. TIH and perforate circ holes in the 4-1/2" casing only @ +/- 3,763'. TIH with tubing/work string.
- 18. PLUG #6: 102sx of Class G Cmtt (15.8 PPG, 1.15 yield); Int. Csg Shoe @ 4,599' | PC Top @ 4,395' | FRD Top @ 3,977' | KRD Top @ 3,880' | OJO Top @ 3,713': Pump a 102 sack balanced cement plug inside the 4-1/2" casing. 81 sacks will remain balanced inside the 4-1/2" casing (est. TOC @ +/- 3,613' & est. BOC @ +/- 4,649'), while 21sx will u-tube through the circ holes @ 3,763' into the 4-1/2" casing X 7" casing annulus (est. TOC @ +/- 3,563' & est. BOC @ +/- 3,763'). *Note cement plug lengths & volumes account for excess.
- 19. TOOH w/ work string
- 20. Set a 7" CIBP or CICR at +/- 2,700'.
- 21. RU Wireline. Run CBL. Record Top of Cement. All subsequent plugs below are subject to change pending CBL results.
- 22. Load the well as needed. Perform a charted & witnessed MIT by pressure testing the casing above the plug to 560 psig
- 23. RDMO service rig.

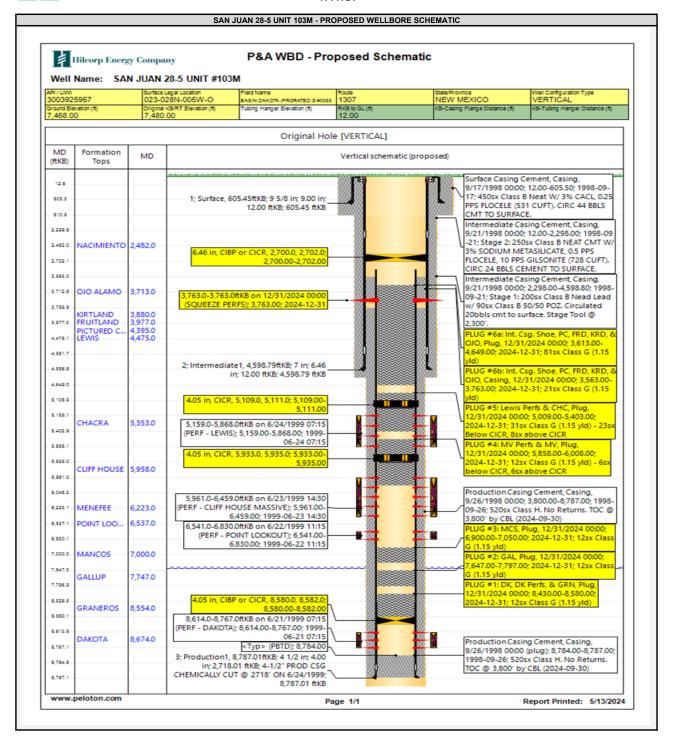


HILCORP ENERGY COMPANY SAN JUAN 28-5 UNIT 103M TA NOI





HILCORP ENERGY COMPANY SAN JUAN 28-5 UNIT 103M TA NOI



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 <u>minimum general</u> 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.

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2

- 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_2S .
- 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) and 43 CFR 3172.12(a)(10). 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.

BLM FLUID MINERALS TA Geologic Report

Date Completed: 05/16/2024

Vell No.: San Juan 28-5 Unit 103M (API 30-039-25957)		Location:	670	FSL	&	1865	FEL
Lease No.: NMSF079519A		SWSE	Sec. 23		T28N	R5W	
Operator: Hilcorp Energy Company		County:	Rio Arriba		State:	New Mexico	
Total Depth: 8795' (TD)	8784' (PB)	Formation:	Dakota, Mesaverde				
Elevation (GL): 7468'	Elevation (KB):						

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm	Surface	2482'			Surface/freshwater sands
Nacimiento Fm	2482'	3713'			Possible freshwater sands
Ojo Alamo Ss	3713'	3880'			Aquifer (possible freshwater)
Kirtland Shale	3880'	3977'			
Fruitland Fm	3977'	4395'			Coal/Gas/Possible water
Pictured Cliffs Ss	4395'	4475'			Gas
Lewis Shale	4475'	5002'			
Chacra	5353'	5958'			Gas
Cliff House Ss	5958'	6223'			Water/Possible gas
Menefee Fm	6223'	6537'			Coal/Ss/Water/Possible O&G
Point Lookout Ss	6537'	7000'			Probable water/Possible O&G
Mancos Shale	7000'	7747'			
Gallup	7747'	8496'			O&G/Water
Greenhorn	8496'	8554'			
Graneros Shale	8554'	8674'			
Dakota Ss	8674'				O&G/Water

Remarks:

- No logs are available for San Juan 28-5 Unit 103M

Reference Well(s):

- 1) Hilcorp Energy San Juan 28-5 Unit 80 1700' FNL, 1500' FEL Sec. 26, 28N, 05W GL 7229'
- 2) Hilcorp Energy San Juan 28-5 Unit 86 1450' FSL, 1190' FWL Sec. 23, 28N, 05W GL 7114'

Prepared by: Matthew Kade



United States Department of the Interior

BUREAU OF LAND MANAGEMENT Farmington District Office 6251 College Boulevard, Suite A Farmington, New Mexico 87402 http://www.blm.gov/nm



May 17, 2024

CONDITIONS OF APPROVAL

Sundry Notice of Intent ID # 2790585 Proposed Work for Plug Back and Temporary Abandonment of Well

Operator: Hilcorp Energy Company

Lease: NMSF079519A

Agreement(s): NMNM78411A, NMNM78411B

Well(s): San Juan 28-5 Unit 103M, API # 30-039-25957

Location: SWSE Sec 23 T28N R5W (Rio Arriba County, NM)

The request to temporarily abandon the above well is approved with the following conditions of approval:

- 1. Farmington Field Office is to be notified at least 24 hours before plugging operations commence at (505) 564-7750.
- 2. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Leases". All requirements are valid except for 8.0 and 9.0 which are for permanent abandonment.
- 3. After work is completed, send in Sundry Notice Subsequent Report detailing actual work completed with exact dates (month, day, year). And the updated wellbore schematic. The report must be submitted within 30 days after work is completed.
- 4. Also, after work is completed, send in a Sundry Notice Notice of Intent requesting temporary abandonment status. Note approval is based on the discretion of this agency. This request must be submitted within 30 days after work is completed.

Include in the Notice of Intent the following:

- a. Proposed exact expiration date (month, day, year). Cannot be later than 12-months from date of submission. The date can also be when the current TA approval will expire.
- b. Confirmation of other production on lease, or agreement.
- c. Plans for the well.
- 5. This agency reserves the right to modify or rescind approval. A plug or produce order may still be issued at the discretion of the authorized officer.

6. The lease is currently held by production from other wells. Should production from the lease cease, the BLM may require this well be returned to production or P&A, regardless of the amount of time the TA status is still approved for.

For questions concerning this matter, please contact Matthew Kade, Petroleum Engineer at the BLM Farmington Field Office, at (505) 564-7736 or mkade@blm.gov.

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

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 345388

CONDITIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	345388
	Action Type:
	[C-103] NOI Temporary Abandonment (C-103I)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	Notify NMOCD 24 hours prior to moving on - state this is a plugback to ta when calling in - monitor string pressures daily report on subsequent - Add cement plug across casing cut at 2718	7/16/2024
mkuehling	submit all logs prior to subsequent	7/16/2024
mkuehling	Bradenhead test required prior to MIT day of MIT	7/16/2024