

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

RECEIVED  
MAY 07 2010  
FARMINGTON FIELD OFFICE  
BUREAU OF LAND MANAGEMENT

5. Lease Serial No. **NMSF078278**

6. If Indian, Allottee or Tribe Name

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE - Other instructions on page 2.**

1. Type of Well

☐ Oil Well

☒ Gas Well

☐ Other

2. Name of Operator

**Hilcorp Energy Company**

3a. Address

**382 Road 3100, Aztec, NM 87410**

3b. Phone No. (include area code)

**505-599-3400**

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.

**San Juan 29-6 Unit 104M**

9. API Well No.

**30-039-27592**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**Surface Unit O (SW/SE) 355' FSL & 1445' FEL, Sec. 14, T29N, R06W**

10. Field and Pool or Exploratory Area

**South Blanco PC/Blanco MV/Basin DK**

11. Country or Parish, State

**Rio Arriba New Mexico**

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

**TYPE OF SUBMISSION**

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

**TYPE OF ACTION**

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☒ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☐ Other

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof.

If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once Testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

**Hilcorp Energy Company plans to recomplete the subject well in the Pictured Cliffs formation and downhole commingle the existing Mesaverde and Dakota formations. Attached is the PC C102, recomplete procedure & wellbore schematic. The DHC application will be submitted and approved prior to commingling. A closed loop system will be utilized. Interim reclamation will be performed after surface disturbing activities.**

**Notify NMOCD 24 hrs  
prior to beginning  
operations**

**HOLD C104 FOR DHC**

**NMOCD**

**JUL 19 2019**

**DISTRICT III**

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

**Etta Trujillo**

Title **Operations/Regulatory Technician - Sr.**

Signature

*Etta Trujillo*

Date

**6/6/2019**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Office

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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.

(Instruction on page 2)

**NMOCD**

**ACCEPTED FOR RECORD  
JUL 18 2019  
FARMINGTON FIELD OFFICE**

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**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**

Form C-102

August 1, 2011

Permit 268403

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-039-27592	2. Pool Code 72439	3. Pool Name BLANCO P. C. SOUTH (PRORATED GAS)
4. Property Code 318838	5. Property Name SAN JUAN 29 6 UNIT	6. Well No. 104M
7. OGRID No. 372171	8. Operator Name HILCORP ENERGY COMPANY	9. Elevation 6528

**10. Surface Location**

UL - Lot O	Section 14	Township 29N	Range 06W	Lot Idn	Feet From 355	N/S Line S	Feet From 1445	E/W Line E	County RIO ARRIBA
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**11. Bottom Hole Location If Different From Surface**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 320.00 E/2	13. Joint or Infill			14. Consolidation Code				15. Order No.	

**NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION**

<div style="border: 1px solid black; width: 100%; height: 100%; background-color: black;"></div>	<p style="text-align: center;"><b>OPERATOR CERTIFICATION</b></p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p>E-Signed By: <i>Etta Trujillo</i> Title: Operations/Regulatory Tech Sr Date: 06/07/2019</p> <hr/> <p style="text-align: center;"><b>SURVEYOR CERTIFICATION</b></p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p>Surveyed By: Jason C. Edwards Date of Survey: 12/1/2003 Certificate Number: 15269</p>
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**HILCORP ENERGY COMPANY**  
**SAN JUAN 29-6 UNIT 104M**  
**PICTURED CLIFFS RECOMPLETION SUNDRY**

**JOB PROCEDURES**

1. MIRU service rig and associated equipment; test BOP. Check bradenhead pressures daily and record throughout the recomplete project. Notify NMOCD and BLM of any anomalous pressure changes.
2. TOOH with 2-3/8" tubing set at 7,796'.
3. Set a 4-1/2" plug at +/- 5,178' to isolate the **Mesa Verde and Dakota Formations**. Note: TOC at 2,760' by CBL.
4. Load the hole and perform MIT (Pressure test to 560 psi). Notify NMOCD and BLM +/-24hr prior to testing (and in the event of a failed test).
5. Set a 4-1/2" plug at +/- 3,620'.
6. Load the hole and pressure test the casing to 5,000 psi (64.3% of internal yield pressure for 4.5" - 11.6# - N-80 casing).
7. N/D BOP, N/U frac stack and pressure test frac stack.
8. Perforate and frac the **Pictured Cliffs** formation (Top Perforation @ 3,320'; Bottom Perforation @ 3,537').
9. If needed, isolate frac stage with a plug.
10. Nipple down frac stack, nipple up BOP and test.
11. TIH with a mill and drill out any plugs above the **Mesa Verde and Dakota Formation** isolation plug.
12. Clean out to **Mesa Verde and Dakota Formation** isolation plug.
13. Drill out **Mesa Verde and Dakota Formation** isolation plug and cleanout to PBTD of 7,950'. TOOH.
14. TIH and land production tubing. Get a commingled **Mesa Verde + Dakota + Pictured Cliffs** flow rate.



**SAN JUAN 29-6 UNIT 104M - CURRENT WELLBORE SCHEMATIC**



Well Name: SAN JUAN 29-6 UNIT #104M

Vertical, Original Hole, 5/28/2019 3:12:18 PM

Report Printed: 5/28/2019

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

Attachment to notice of Intent to Recomplete & Commingle

Well: San Juan 29-6 Unit 104M 30-039-27592

**CONDITIONS OF APPROVAL**

1. Contact BLM Inspection and Enforcement @ (505) 564 – 7750, 24 hours prior to conducting MIT work so an inspector can be present to witness the MIT.

Contact John Hoffman, Petroleum Engineer @ (505) 564 – 7742 to discuss any failed MIT results and/or your remedial action and isolation plans.

**Submit the electronic copy of the MIT Test Chart for verification to the following addresses: [jhoffman@BLM.gov](mailto:jhoffman@BLM.gov) and [Brandon.Powell@state.nm.us](mailto:Brandon.Powell@state.nm.us). CBL on file. Good isolation of the PC zone.**

2. The following modifications to your recompletion program are to be made:

- a) Upon rigging up, record Bradenhead pressure and monitor same during recompletion operations. Notify BLM and NMOCD if anomalous pressure changes occur. Provide monitoring results in the subsequent Report of Operations.
- b) Casing pressure test for fracture stimulation operations cannot exceed the internal yield strength of the casing including a 20% safety factor unless a waiver is granted. Stimulation operations cannot exceed this test pressure.

3. File well test and recompletion results within 30 days of completing recompletion operations.