

State of New Mexico  
Energy, Minerals and Natural Resources Department

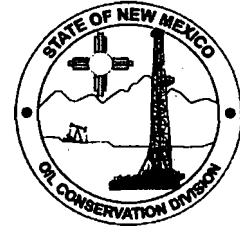
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Michelle Lujan Grisham  
Governor

Sarah Cottrell Propst  
Cabinet Secretary

Todd E. Leahy, JD, PhD  
Deputy Secretary

Adrienne Sandoval, Division Director  
Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-4 or 3160-5 form.

Operator Signature Date: 3/11/2019

Well information:

**HILCORP ENERGY COMPANY**  
**30-039-21517 Jicarilla B #9**

Application Type:

- ☐ P&A    ☐ Drilling/Casing Change    ☐ Location Change
- ☒ **Recomplete/DHC** (For hydraulic fracturing operations review EPA Underground injection control Guidance #84; Submit Gas Capture Plan form prior to spudding or initiating recompletion operations)
- ☐ Other:

Conditions of Approval:

- Notify the OCD 24hrs prior to beginning operations.
- Hold the C-104 for the DHC.
- The initial CIBP must be placed no higher than 50' above the existing perforations.
- Submit the CBL to the agencies for review and approval prior to perforating.
- A Mechanical integrity test (MIT) must be performed from the initial CIBP to verify the integrity of the well. The pressure test must meet the requirements of 19.15.25.14 NMAC.
  - o 24hr notice is required to be provided to the agencies prior to performing the MIT.
- After the MIT is performed a second temporary isolating device may be set up near the requested recomplete interval without additional OCD approval to protect the casing from the completion pressures.
- If needed, submit a proposed remediation plan to the agencies for review and approval prior to starting remediation.

NMOCD Approved by Signature

4/22/19  
Date

RECEIVED

MAR 12 2019

Form 3160-5  
(August 2007)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010Farmington Field Office  
Bureau of Land Management

Lease Serial No.

Contract 106

**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.**

6. If Indian, Allottee or Tribe Name

Jicarilla Apache

SUBMIT IN TRIPLICATE - Other instructions on page 2.

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

1. Type of Well

☐

Oil Well

☒

Gas Well

☐

Other

8. Well Name and No.

Jicarilla B 9

2. Name of Operator

Hilcorp Energy Company

9. API Well No.

30-039-21517

3a. Address

382 Road 3100, Aztec, NM 87410

3b. Phone No. (include area code)

505-599-3400

10. Field and Pool or Exploratory Area

Tapacito Pictured Cliffs /Blanco MV

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

Surface Unit K (NE/SW) 1835'FSL &amp; 1675' FWL, Sec. 26, T26N, R04W

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. 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.

NMOC

HOLD C104 F... DHC

DISTRICT III

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

3/11/2019

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Dave Mankiewicz

Title

ATM

Date

4/5/19

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.

Office

FFO

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)

NMOC

**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 263963

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-039-21517	2. Pool Code 85920	3. Pool Name TAPACITO PICTURED CLIFFS (PRO GAS)
4. Property Code 319688	5. Property Name JICARILLA B	6. Well No. 009
7. OGRID No. 372171	8. Operator Name HILCORP ENERGY COMPANY	9. Elevation 6950

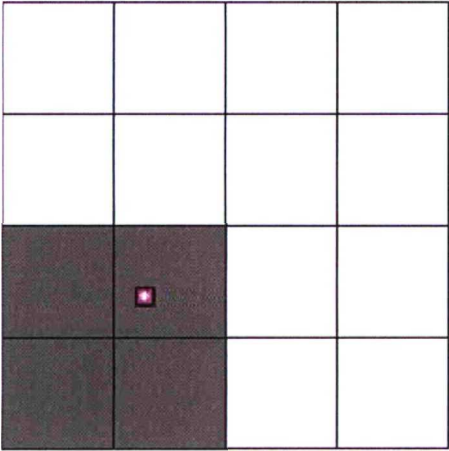
**10. Surface Location**

UL - Lot K	Section 26	Township 26N	Range 04W	Lot Idn	Feet From 1835	N/S Line S	Feet From 1675	E/W Line W	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 160.00 W/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**

	<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: 04/09/2019</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: James P. Leese Date of Survey: 10/11/1977 Certificate Number: 1463</p>
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HILCORP ENERGY COMPANY  
JICARILLA B 9  
PICTURED CLIFFS RECOMPLETION SUNDRY

JOB PROCEDURES

1. MIRU service rig and associated equipment; test BOP.
2. TOOH with 2-1/16" tubing set at 5,642'.
3. Set a 4-1/2" plug at +/- 4,000' to isolate the Mesaverde.
4. RU Wireline. Run CBL and record Top of Cement.
5. IF NECESSARY (Based on the results of the CBL top of cement) - Perform squeeze work.
6. Load the hole and pressure test the casing.
7. N/D BOP, N/U frac stack and pressure test frac stack.
8. Perforate and frac the Pictured Cliffs formation (Top Perforation @ 3,544'; Bottom Perforation @ 3,609').
9. Isolate frac stage with a plug.
10. Nipple down frac stack, nipple up BOP and test.
11. TIH with a mill and drill out top Pictured Cliffs Isolation plug.
12. Clean out to Mesaverde isolation plug.
13. Drill out Mesaverde isolation plug and cleanout to PBTD of 5,788'. TOOH.
14. TIH and land production tubing. Get a commingled Mesaverde/Pictured Cliffs flow rate.





**HILCORP ENERGY COMPANY**  
**JICARILLA B 9**  
**PICTURED CLIFFS RECOMPLETION SUNDRY**

**JICARILLA B 9 - CURRENT WELLBORE SCHEMATIC**



**Current Schematic - Version 3**

**Well Name: JICARILLA B 009**

API / UWI 3003921517	Surface Legal Location 028-026N-004W-K	Field Name MV	Zone 1406	State/Province NEW MEXICO	Well Configuration Type Vertical
Gravel Section (ft) 5,950.00	Original KB RT Section (ft) 5,951.00	KB-Gravel Distance (ft) 11.00	KB-Casing Hanger Distance (ft)	KB-Tubing Hanger Distance (ft)	

**Vertical, Original Hole, 2/14/2019 5:59:16 PM**

