

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018

**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.*

5. Lease Serial No.  
NMNM0555078

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No.  
HELMS FEDERAL 1B

1. Type of Well  
 Oil Well  Gas Well  Other

9. API Well No.  
30-045-29998-00-S1

2. Name of Operator  
HILCORP ENERGY COMPANY  
Contact: PRISCILLA SHORTY  
E-Mail: pshorty@hilcorp.com

3a. Address  
1111 TRAVIS STREET  
HOUSTON, TX 77002

3b. Phone No. (include area code)  
Ph: 505-324-5188

10. Field and Pool or Exploratory Area  
BLANCO MESAVERDE

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

Sec 22 T30N R10W SWSW 1160FSL 1060FWL  
36.793592 N Lat, 107.877023 W Lon

11. County or Parish, State  
SAN JUAN COUNTY, NM

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

| TYPE OF SUBMISSION                                   | TYPE OF ACTION                                |   |  |   |
|--|---|---|--|---|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen               | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off   |
| <input type="checkbox"/> Subsequent Report           | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Hydraulic Fracturing | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity   |
| <input type="checkbox"/> Final Abandonment Notice    | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction     | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other |
|  | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon     | <input type="checkbox"/> Temporarily Abandon       |   |
|  | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back            | <input type="checkbox"/> Water Disposal            |   |

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 recomplate 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 recomplate 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 is requesting a 30-day formational flow test of the Farmington Sand in the subject well. During the flow test, the existing Mesaverde completion will be shut in.

**NMOCD**

**MAR 11 2020**

**DISTRICT III**

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #506524 verified by the BLM Well Information System  
For HILCORP ENERGY COMPANY, sent to the Farmington  
Committed to AFMSS for processing by JOE KILLINS on 03/10/2020 (20JK0134SE)**

Name (Printed/Typed) PRISCILLA SHORTY

Title OPERATIONS REGULATORY TECH SR

Signature (Electronic Submission)

Date 03/10/2020

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

Approved By JOE KILLINS

Title ENGINEER

Date 03/10/2020

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 Farmington

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.

(Instructions on page 2)

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

*AV*

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**HILCORP ENERGY COMPANY**  
Well Name: HELMS FEDERAL 1B  
FORMATIONAL FLOW TEST SUNDRY

API #: 3004529998

**JOB PROCEDURES**

- NMOCD **Contact OCD and BLM (where applicable) 24 hrs prior to MIRU. Record and document all casing pressures daily, including BH, IC (if present) and PC. Comply with all NMOCD, BLM (where applicable), and HEC safety and environmental regulations.**
- BLM

- 1 Requesting a 30 day formational flow test of the Farmington Sand within the wellbore's 7" intermediate casing. The current cement top allows communication below the 7" casing shoe into the Farmington sand.
- 2 During the flow test, the existing completion of the Mesa Verde will be shut in; there will not be commingled production during the flow test. The flow test will capture oil, gas, and water rates along with surface pressures. All production during the test will only be allocated to the Farmington sand.
- 3 Once the formational test is complete (no more than 30 days), the well will be switched back to Mesa Verde production and the intermediate casing valve will be closed.
- 4 The flow test will occur on the 1st of a month once all paperwork with the NMOCD and BLM is approved.



**HILCORP ENERGY COMPANY**  
**Well Name: HELMS FEDERAL 1B**  
**FORMATIONAL FLOW TEST SUNDRY**

Well Name: HELMS FEDERAL 1B - CURRENT WELLBORE SCHEMATIC

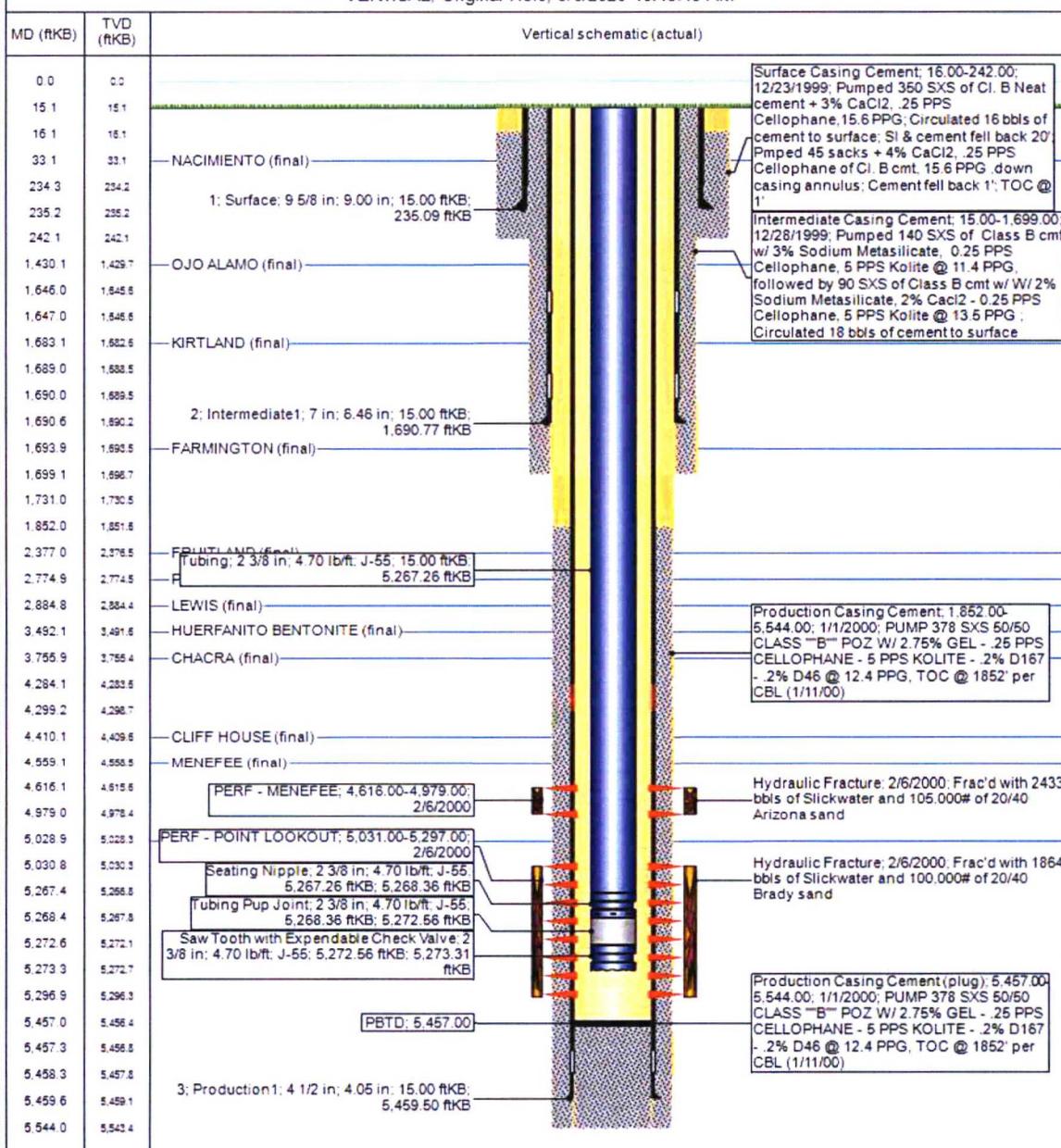


**Current Schematic**

Well Name: HELMS FEDERAL #1B

|                                   |   |   |                                |                                |                                     |
|-----------------------------------|---|---|--------------------------------|--------------------------------|-------------------------------------|
| API / UWI<br>3004529998           | Surface Legal Location<br>022-030N-010W-M | Field Name<br>BLANCO MESAVERDE (PRORATED GAS) | Route<br>0305                  | State/Province<br>NEW MEXICO   | Well Configuration Type<br>VERTICAL |
| Ground Elevation (ft)<br>6,182.00 | Original KBRT Elevation (ft)<br>6,197.00  | KB-Ground Distance (ft)<br>15.00              | KB-Casing Flange Distance (ft) | KB-Tubing Hanger Distance (ft) |                                     |

VERTICAL, Original Hole, 3/6/2020 10:43:49 AM



**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 279228

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                               |  |   |
|-------------------------------|--|---|
| 1. API Number<br>30-045-29998 | 2. Pool Code<br>98339                      | 3. Pool Name<br>WC 30N10W22;FARMINGTON SAND |
| 4. Property Code<br>318554    | 5. Property Name<br>HELMS FEDERAL          | 6. Well No.<br>001B                         |
| 7. OGRID No.<br>372171        | 8. Operator Name<br>HILCORP ENERGY COMPANY | 9. Elevation<br>6182                        |

**10. Surface Location**

|               |               |                 |              |               |                   |               |                   |               |                    |
|---------------|---------------|-----------------|--------------|---------------|-------------------|---------------|-------------------|---------------|--------------------|
| UL - Lot<br>M | Section<br>22 | Township<br>30N | Range<br>10W | Lot Idn<br>13 | Feet From<br>1160 | N/S Line<br>S | Feet From<br>1060 | E/W Line<br>W | County<br>SAN JUAN |
|---------------|---------------|-----------------|--------------|---------------|-------------------|---------------|-------------------|---------------|--------------------|

**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<br>40.00 | 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**

|  |   |  |  |
|--|---|--|--|
|  | <b>OPERATOR CERTIFICATION</b>   |  |  |
|  | <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> |  |  |
|  | E-Signed By: <i>Priscilla Shorty</i>  |  |  |
|  | Title: <b>Operations Regulatory Technician - Sr.</b><br>Date: <b>3/10/2020</b>  |  |  |
| <b>SURVEYOR CERTIFICATION</b>  |   |  |  |
| <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> |   |  |  |
| Surveyed By: <b>Neale Edwards</b>  |   |  |  |
| Date of Survey: <b>8/19/1999</b>   |   |  |  |
| Certificate Number: <b>6857</b>  |   |  |  |