

Submit 1 Copy To Appropriate District Office  
District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised July 18, 2013

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

|   |  |   |
|---|--|---|
| SUNDRY NOTICES AND REPORTS ON WELLS<br>(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)                    |  | WELL API NO.<br>30-045-32541  |
| 1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other   |  | 5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |
| 2. Name of Operator<br>HILCORP ENERGY COMPANY   |  | 6. State Oil & Gas Lease No.<br>FEE   |
| 3. Address of Operator<br>382 Road 3100, Aztec, NM 87410  |  | 7. Lease Name or Unit Agreement Name<br>BRUINGTON GAS COM C   |
| 4. Well Location<br>Unit Letter <u>F</u> <u>1700</u> feet from the <u>North</u> line and <u>1895</u> feet from the <u>West</u> line<br>Section <u>21</u> Township <u>30N</u> Range <u>11W</u> NMPM <u>San Juan</u> County |  | 8. Well Number<br>4   |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>5752'   |  | 9. OGRID Number<br>372171   |
|   |  | 10. Pool name or Wildcat<br>Blanco Mesaverde/Basin Dakota   |

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☒  
CLOSED-LOOP SYSTEM ☐  
OTHER: ☒ RECOMPLETION

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐  
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Hilcorp Energy Company requests permission to recomplete the subject well in the Mesaverde and downhole commingle with the existing Dakota with the Mesaverde. Attached is the procedure, wellbore diagram and plat. A DHC application will be filed and approved prior to commingling. A closed loop system will be used.

Notify NMOCD 24 hrs  
prior to beginning  
operations

NMOCD

\*\*Please note that this well is pending approval of well density exemption\*\*

HOLD C104 FOR DHC + Density exception.

JUL 19 2018

DISTRICT III

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Priscilla Shorty TITLE Operations Regulatory Technician Sr. DATE 07/16/2018

Type or print name Priscilla Shorty E-mail address: pshorty@hilcorp.com PHONE: 505-324-5188

For State Use Only

APPROVED BY: Branch Powell TITLE Deputy Oil & Gas Inspector, DATE 7/30/18

Conditions of Approval (if any):

AV

**District I**

1625 N. French Dr., Hobbs, NM 88240  
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**District IV**

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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 254744

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                               |  |   |
|-------------------------------|--|---|
| 1. API Number<br>30-045-32541 | 2. Pool Code<br>72319                      | 3. Pool Name<br>BLANCO-MESAVERDE (PRORATED GAS) |
| 4. Property Code<br>319138    | 5. Property Name<br>BRUINGTON GAS COM C    | 6. Well No.<br>004                              |
| 7. OGRID No.<br>372171        | 8. Operator Name<br>HILCORP ENERGY COMPANY | 9. Elevation<br>5752                            |

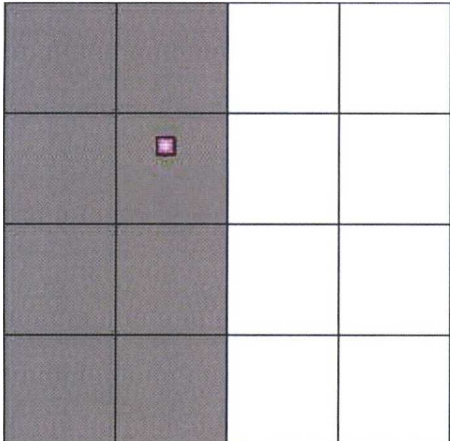
**10. Surface Location**

|               |               |                 |              |         |                   |               |                   |               |                    |
|---------------|---------------|-----------------|--------------|---------|-------------------|---------------|-------------------|---------------|--------------------|
| UL - Lot<br>F | Section<br>21 | Township<br>30N | Range<br>11W | Lot Idn | Feet From<br>1700 | N/S Line<br>N | Feet From<br>1895 | 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>318.47 |         |          |       | 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>Priscilla Shorty</i><br/>Title: Operations Regulatory Technician - Sr.<br/>Date: 07/16/2018</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: John Vukonich<br/>Date of Survey: 4/30/2004<br/>Certificate Number: 14831</p> |
|--|---|



HILCORP ENERGY COMPANY  
BRUINGTON GAS COM C 4  
MESA VERDE RECOMPLETION SUNDRY

JOB PROCEDURES

1. MIRU service rig and associated equipment; NU and test BOP.
2. TOOH with 2 3/8" tubing set at 6,681'.
3. Set a 5-1/2" cast iron bridge plug at +/- 5,500' to isolate the Dakota.
4. Load hole with fluid and run a CBL on the 5-1/2" casing. Verify cement bond within the Mesa Verde and TOC is above 3,314'. Review CBL results with NMOCD.
5. Pressure test casing to frac pressure.
6. N/D BOP, N/U frac stack and test frac stack to frac pressure.
7. Perforate and frac the Mesa Verde in two or three stages. (Top perforation @ 3,814', Bottom perforation @ 4,700')
8. Isolate frac stages with a composite bridge plug and set top isolation plug once frac is completed.
9. Nipple down frac stack, nipple up BOP and test.
10. TIH with a mill and drill out top isolation plug and Mesa Verde frac plugs.
11. Clean out to Dakota isolation plug and, when water and sand rates are acceptable, flow test the Mesa Verde.
12. Drill out Dakota isolation plug and cleanout to PBTD of 6,976'. TOOH.
13. TIH and land production tubing. Get a commingled Dakota/Mesa Verde flow rate.





# **HILCORP ENERGY COMPANY** **BRUINGTON GAS COM C 4** **MESA VERDE RECOMPLETION SUNDRY**

## **BRUINGTON GAS COM C 4 - CURRENT WELLBORE SCHEMATIC**



### **Schematic - Current**

**Well Name: BRUINGTON GAS COM C 04**

|   |   |                                       |                                    |  |                                     |
|---|---|---------------------------------------|------------------------------------|--|-------------------------------------|
| API / UWI<br>3004532541                   | Surface Legal Location<br>T30N-R11W-S21 | Field Name<br>Basin Dakota            | License No.                        | State/Province<br>New Mexico                 | Well Configuration Type<br>Vertical |
| Original KB RT Elevation (ft)<br>5,764.00 | KB-Tubing Hanger Distance (ft)          | Original Spud Date<br>4/22/2006 00:00 | Rig Release Date<br>5/4/2006 00:00 | PBTD (All) (ftKB)<br>Original Hole - 6,976.0 | Total Depth All (TVD) (ftKB)        |

#### **Most Recent Job**

|                                  |                                     |                    |                                 |                        |
|----------------------------------|-------------------------------------|--------------------|---------------------------------|------------------------|
| Job Category<br>Well Maintenance | Primary Job Type<br>WU/SL Operation | Secondary Job Type | Actual Start Date<br>12/18/2009 | End Date<br>12/18/2009 |
|----------------------------------|-------------------------------------|--------------------|---------------------------------|------------------------|

**TD: 7,016.0**

Vertical, Original Hole, 6/19/2018 3:22:14 PM

