

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

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|---|--|---|
| SUNDRY NOTICES AND REPORTS ON WELLS (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. 30-039-25593 |
| 1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other | | 5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 2. Name of Operator HILCORP ENERGY COMPANY | | 6. State Oil & Gas Lease No. B-10037-59 |
| 3. Address of Operator 382 Road 3100, AZTEC NM 87410 | | 7. Lease Name or Unit Agreement Name San Juan 30-6 Unit |
| 4. Well Location Unit Letter <u>J</u> <u>1660</u> feet from the <u>South</u> line and <u>1530</u> feet from the <u>East</u> line Section <u>32</u> Township <u>30N</u> Range <u>7W</u> NMPM Rio Arriba County | | 8. Well Number 47A |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6279' GR | | 9. OGRID Number 372171 |
| | | 10. Pool name or Wildcat Blanco Pictured Cliffs / Blanco MV |

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: ☒ Recomplete

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 plans to recomplete the subject well in the Pictured Cliffs formation and downhole commingle with the existing Mesaverde. Attached is the PC C102, recompleting procedure & wellbore schematic. The DHC application will be submitted and approved prior to commingling. A closed loop system will be utilized.

HOLD C101 FOR DHC

Notify NMOCD 24 hrs
prior to beginning
operations

NMOCD

JUN 05 2019

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 Tammy Jones TITLE Operations / Regulatory Technician - Sr. DATE 6/4/2019

Type or print name Tammy Jones E-mail address: tajones@hilcorp.com PHONE: 505-324-5185
For State Use Only

APPROVED BY: [Signature] TITLE SUPERVISOR DISTRICT #3 DATE 6/17/19
Conditions of Approval (if any): [Signature]

District I

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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 268145

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|-------------------------------|--|--|
| 1. API Number 30-039-25593 | 2. Pool Code 72359 | 3. Pool Name BLANCO PICTURED CLIFFS (GAS) |
| 4. Property Code 318716 | 5. Property Name SAN JUAN 30 6 UNIT | 6. Well No. 047A |
| 7. OGRID No. 372171 | 8. Operator Name HILCORP ENERGY COMPANY | 9. Elevation 6279 |

10. Surface Location

| | | | | | | | | | |
|---------------|---------------|-----------------|--------------|---------|-------------------|---------------|-------------------|---------------|----------------------|
| UL - Lot J | Section 32 | Township 30N | Range 07W | Lot Idn | Feet From 1660 | N/S Line S | Feet From 1530 | E/W Line E | County RIO ARRIBA |
|---------------|---------------|-----------------|--------------|---------|-------------------|---------------|-------------------|---------------|----------------------|

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 | 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

| | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| <table border="1" style="width: 100%;"><tr><td style="width: 15%; height: 40px;"></td><td style="width: 15%; height: 40px;"></td><td style="width: 70%; background-color: black;"></td></tr><tr><td style="height: 40px;"></td><td style="height: 40px;"></td><td></td></tr><tr><td style="height: 40px;"></td><td style="height: 40px;"></td><td></td></tr><tr><td style="height: 40px;"></td><td style="height: 40px;"></td><td></td></tr></table> | | | | | | | | | | | | | <p style="text-align: center;">OPERATOR CERTIFICATION</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>Tammy Jones</i> Title: Operations/Regulatory Technician - Sr. Date: 6/4/2019</p> <p style="text-align: center;">SURVEYOR CERTIFICATION</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: Neale C. Edwards Date of Survey: 8/31/1996 Certificate Number: 6857</p> |
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HILCORP ENERGY COMPANY
SAN JUAN 30-6 UNIT 47A
PICTURED CLIFFS RECOMPLETION SUNDRY

JOB PROCEDURES

1. MIRU service rig and associated equipment; test BOP. Check bradenhead pressures daily and record throughout the recompleting project. Notify NMOCD and BLM of any anomalous pressure changes.
2. TOOH with 2-3/8" tubing set at 5,569'.
3. Set a 4-1/2" plug at +/- 3,858' to isolate the Mesaverde. Note: Good TOC 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 +/- 3,300'.
6. Load the hole and pressure test the casing to 3,200 psi (73.4% of internal yield pressure for 7.0" - 23.0# - CF-50 casing).
7. N/D BOP, N/U frac stack and pressure test frac stack.
8. Perforate and frac the Pictured Cliffs formation (Top Perforation @ 3,115'; Bottom Perforation @ 3,207').
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 Mesaverde isolation plug.
12. Clean out to Mesaverde isolation plug.
13. Drill out Mesaverde isolation plug and cleanout to PBTD of 5,707'. TOOH.
14. TIH and land production tubing. Get a commingled Mesaverde/Pictured Cliffs flow rate.



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|-----------------------------------|---|------------------------------------|--------------------------------|--------------------------------|-------------------------|
| API / UWI 3003925593 | Surface Legal Location 032-030N-007W-G | Field Name BLANCO MV (PRO #0078 | Route 1107 | State/Province NEW MEXICO | Well Configuration Type |
| Ground Elevation (ft) 6,279.00 | Original KB/RT Elevation (ft) 6,290.00 | KB-Ground Distance (ft) 11.00 | KB-Casing Flange Distance (ft) | KB-Tubing Hanger Distance (ft) | |

| MD (ftKB) | TVD (ftKB) | Vertical schematic (actual) |
|--------------|---------------|---|
| 11.2 | -235.8 | |
| 11.8 | -235.2 | |
| 241.8 | -5.2 | |
| 242.8 | -4.2 | |
| 257.9 | 10.9 | |
| 2,040.0 | 1,791.9 | |
| 2,250.0 | 2,001.8 | |
| 2,845.1 | 2,596.8 | |
| 3,115.2 | 2,866.7 | |
| 3,149.0 | 2,900.5 | |
| 3,158.1 | 2,909.7 | <p>Surface Casing Cement, 11.00-258.00; 11/25/1996; CEMENT W/ 195 SXS CLASS 'B' NEAT CMT W/ 3% CACL, 0.25 PPS CELLOFLAKE (230 CUFT). CIRCULATE 10 BBS CMT TO SURFACE</p> <p>Hours circulated between stages: 1.2</p> <p>Pressure before cementing: 300</p> <p>Excess volume measured from: EXCESS ABOVE OP</p> <p>Method used to measure density: SCALES</p> <p>Method used for mixing cement in this stage: VAT</p> <p>Returns: YES</p> <p>Time cementing mixing started: 01:50</p> <p>1; Surface; 9 5/8 in; 8.92 in; 11.00 ftKB; RAN 5 JTS 36# K-55 CASING CEMENTED W/195 SXS CEMENT CIRC 10 BBL CEMENT TO SURFACE</p> |
| 3,241.8 | 2,993.3 | <p>DFW String Key = 49RUB; 242.70 ftKB</p> <p>Intermediate Casing Cement, 11.00-3,301.00; 11/27/1996; CEMENT W/ 306 SXS CLASS 'B' NEAT CMT W/ 3% ECONOLITE, 10 PPS GILSONITE, 0.5 PPS FLOCELE (881 CUFT). TAIL W/ 90 SXS CLASS 'B' 50/50 POZ W/ 2% CACL, 10 PPS GILSONITE (114 CUFT). CIRCULATED 37 BBS CMT TO SURFACE</p> <p>Hours circulated between stages: 1</p> <p>Pressure before cementing: 400</p> <p>Excess volume measured from: EXCESS ABOVE OP</p> <p>Method used to measure density: DEN OM</p> <p>Method used for mixing cement in this stage: RCM</p> <p>Returns: YES</p> <p>Time cementing mixing started: 22:00</p> |
| 3,287.7 | 3,039.2 | <p>2; Intermediate1; 7 in; 0.00 in; 11.01 ftKB; 3,287.60 ftKB</p> |
| 3,300.9 | 3,052.3 | |
| 3,361.9 | 3,113.3 | <p>PERF - LEWIS; 3,908.00-4,567.00; 3/30/2000</p> <p>Production Casing Cement; 3,149.00-5,729.00; 12/1/1996; CEMENT W/ 160 SXS CLASS 'B' 65/35 POZ W/ 6% GEL, 5 PPS GILSONITE, 0.25 PPS FLOCELE (291 CUFT). TAIL W/ 130 SXS CLASS 'B' 50/50 POZ W/ 2% GEL, 5 PPS GILSONITE, 0.25 PPS FLOCELE, 0.3% FLUID LOSS (163 CUFT). REVERSE CIRCULATE 23 BBS CMT TO SURFACE</p> <p>Hours circulated between stages: 1</p> <p>Excess volume measured from: EXCESS ABOVE OP</p> <p>Method used to measure density: DENS OM</p> <p>Method used for mixing cement in this stage: RCM</p> <p>Returns: 23</p> <p>Time cementing mixing started: 05:06</p> |
| 3,870.1 | 3,621.4 | <p>PERF - CLIFF HOUSE / MENELEE UPPER; 4,662.00-5,218.00; 12/19/1996</p> |
| 3,908.1 | 3,659.5 | <p>PERF - POINT LOOKOUT; 5,314.00-5,586.00; 12/18/1996</p> |
| 4,566.9 | 4,318.2 | <p>Production Casing Cement (plug); 5,707.00-5,729.00; 12/1/1996; CEMENT W/ 160 SXS CLASS 'B' 65/35 POZ W/ 6% GEL, 5 PPS GILSONITE, 0.25 PPS FLOCELE (291 CUFT). TAIL W/ 130 SXS CLASS 'B' 50/50 POZ W/ 2% GEL, 5 PPS GILSONITE, 0.25 PPS FLOCELE, 0.3% FLUID LOSS (163 CUFT). REVERSE CIRCULATE 23 BBS CMT TO SURFACE</p> <p>Hours circulated between stages: 1</p> <p>Excess volume measured from: EXCESS ABOVE OP</p> <p>Method used to measure density: DENS OM</p> <p>Method used for mixing cement in this stage: RCM</p> <p>Returns: 23</p> <p>Time cementing mixing started: 05:06</p> |
| 4,658.1 | 4,409.4 | |
| 4,662.1 | 4,413.3 | |
| 4,952.1 | 4,703.3 | |
| 5,217.8 | 4,969.1 | |
| 5,309.1 | 5,060.2 | |
| 5,314.0 | 5,065.2 | |
| 5,536.1 | 5,287.3 | <p>Seating Nipple; 2 3/8 in; 5,536.19 ftKB; 5,537.29 ftKB</p> |
| 5,537.4 | 5,288.6 | <p>Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 5,537.29 ftKB; 5,568.33 ftKB</p> |
| 5,568.2 | 5,319.4 | <p>Expendable Check; 2 3/8 in; 5,568.33 ftKB; 5,569.00 ftKB</p> |
| 5,568.9 | 5,320.1 | |
| 5,586.0 | 5,337.1 | |
| 5,707.0 | 5,458.2 | <p>PBTD; 5,707.00</p> |
| 5,716.2 | 5,467.4 | |
| 5,717.2 | 5,468.3 | |
| 5,727.0 | 5,478.2 | |
| 5,728.0 | 5,479.2 | <p>3; Production1; 4 1/2 in; 4.00 in; 3,148.98 ftKB; RAN 59 JTS 4 1/2" LINER SET @5728' TOP LINER 3149' MARKER JT 5301'</p> |
| 5,729.0 | 5,480.1 | <p>DFW String Key = 170PO; 5,728.08 ftKB</p> |