| | | 4 | | | | |
|---|---|--|--|---|--|--|
| Form 3160-5 June 2015) DH B SUNDRY Do not use th abandoned we | UNITED STATES EPARTMENT OF THE II UREAU OF LAND MANA NOTICES AND REPO is form for proposals to II. Use form 3160-3 (AP | S NTERIOR GEMENT RTS ON W drill or to re D) for such p | ELLS -enter an proposals. | | FORM OMB Ni Expires: Ja 5. Lease Serial No. NMSF078604 6. If Indian, Allottee o | APPROVED D. 1004-0137 muary 31, 2018 r Tribe Name |
| SUBMIT IN | TRIPLICATE - Other ins | tructions on | page 2 | | 7. If Unit or CA/Agree NMNM133172 | ement, Name and/or No. |
| 1. Type of Well | her | | | | 8. Well Name and No. MARCOTTE 2 | |
| 2. Name of Operator HILCORP ENERGY COMPA | Contact: NY E-Mail: mray@hilc | MANDI RAY | | | 9. API Well No. 30-045-29466-0 | 0-S9 |
| 3a. Address 1111 TRAVIS STREET HOUISTON TX 77002 | | 3b. Phone No Ph: 505-32 | o. (include area code) 24-5122 | | 10. Field and Pool or I BASIN DAKOTA | Exploratory Area |
| 4. Location of Well <i>(Footage, Sec., T</i> | T., R., M., or Survey Description | ı) | | | 11. County or Parish, | State |
| Sec 8 T31N R10W NESE 154 36.909710 N Lat, 107.899550 | 40FSL 935FEL) W Lon | | | | SAN JUAN COU | JNTY, NM |
| 12. CHECK THE A | PPROPRIATE BOX(ES) | TO INDICA | TE NATURE O | F NOTICE, | REPORT, OR OTH | IER DATA |
| TYPE OF SUBMISSION | | - | TYPE OF | ACTION | | |
| Notice of Intent | Acidize | Dee | pen | Producti | on (Start/Resume) | □ Water Shut-Off |
| Subsequent Report | □ Alter Casing | Hyd | Iraulic Fracturing | Reclama | tion | U Well Integrity |
| | Casing Repair | □ Nev | v Construction | Recomp | lete | □ Other |
| Final Abandonment Notice | Change Plans | | g and Abandon | Water D | irily Abandon | |
| Hilcorp Energy Company plar permanently abandon the Da wellbore schematic. A Closed | ns to recomplete the subjector kota formation. Attached Loop system will be utiliz | ect well in the is the MV pla red. | Mesaverde form t, recomplete pro | ation and cedure and | | |
| Notify NMOCD 24 hrs prior to beginning operations | NMC MAR 1 DISTRI | 0CD 6 2018 CT 111 | BL AC OP AU ON | M'S APPROV TION DOES ERATOR FR THORIZATIO FEDERAL A | AL OR ACCEPTANC NOT RELIEVE THE OM OBTAINING AN ON REQUIRED FOR ND INDIAN LANDS | E OF THIS LESSEE AND Y OTHER OPERATIONS |
| 14. I hereby certify that the foregoing is Comm Name (Printed/Typed) MANDI R | s true and correct. Electronic Submission # For HILCORP E litted to AFMSS for process | 407188 verifie NERGY COM sing by WILLI | d by the BLM Wel ANY, sent to the AM TAMBEKOU o Title OPERA | I Information Farmington n 03/12/2018 TIONS REG | System (18WMT0611SE) ULATORY TECH | |
| Signature (Electronic | Submission) | | Date 03/09/20 | 018 | | |
| | THIS SPACE FO | OR FEDER | L OR STATE | OFFICE US | E | |
| | 011 | | TitleDETDOLE | | ED | Date 03/12/2018 |
| Conditions of approval, if any, are attached certify that the applicant holds legal or eq which would entitle the applicant to cond | ed. Approval of this notice does uitable title to those rights in the uct operations thereon. | s not warrant or e subject lease | Office Farming | ton | EN | Due 00/12/2010 |
| Fitle 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent | U.S.C. Section 1212, make it a statements or representations as | crime for any p to any matter w | erson knowingly and rithin its jurisdiction. | willfully to ma | ke to any department or | agency of the United |
| Instructions on page 2) ** BLM REV | ISED ** BLM REVISEI | D ** BLM R | EVISED ** BLN | REVISED | ** BLM REVISE | D ** |
| | | N | | V | | Ч |

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<u>District I</u> 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

OCD Permitting

Form C-102 August 1, 2011

Permit 249501

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

| | WELL LOCATION AND ACREAGE DEDICATION PLAT | | | | |
|------------------|---|---------------------------------|--|--|--|
| 1. API Number | 2. Pool Code | 3. Pool Name | | | |
| 30-045-29466 | 72319 | BLANCO-MESAVERDE (PRORATED GAS) | | | |
| 4. Property Code | 5. Property Name | 6. Well No. | | | |
| 319189 | MARCOTTE | 002 | | | |
| 7. OGRID No. | 8. Operator Name | 9. Elevation | | | |
| 372171 | HILCORP ENERGY COMPANY | 5987 | | | |

| | | | | 10. 9 | Surface Locatio | n | | | | |
|----------|---------|----------|-------|---------|-----------------|----------|-----------|----------|--------|----------|
| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County | |
| | 8 | 31N | 10W | | 1540 | S | 935 | E | | SAN JUAN |

| | | | 11. Bottom | Hole Location | If Different Fr | rom Surface | | | |
|------------------------|-------------|----------|---------------------|---------------|------------------|-------------|-----------|---------------|--------|
| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
| 12. Dedicated A 318 | cres .74 | | 13. Joint or Infill | | 14. Consolidatio | n 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

| OPERATOR CERTIFICATION 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. |
|--|
| E-Signed By: Amanda Ray Title: Operations / Regulatory Tech Date: 3/8/2018 |
| SURVEYOR CERTIFICATION 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. |
| Surveyed By: NEALE EDWARDS |
| Date of Survey: 2/16/1997 |
| Certificate Number: 6857 |

Hilcorp

HILCORP ENERGY COMPANY MARCOTTE 2 MESA VERDE RECOMPLETION SUNDRY

| | JOB PROCEDURES |
|-----|---|
| 1. | MIRU service rig and associated equipment; test BOP. |
| 2. | TOOH with 2 3/8" tubing set at 7,017'. |
| 3. | Pick up retrieving head and TIH to Weatherfod RBP set at 7,079'. |
| 4. | Latch onto RBP, equalize, un-set, and TOOH. |
| 5. | Set a 7" CIBP at +/- 7,120' (top Dakota perforation at 7,138'). CMT from 3000' to 7,550' by CBL. |
| 6. | TIH with open-ended 2 3/8" tubing to +/-7,118'. |
| 7. | Rig up cement crew and spot a balanced plug from 7,118' to 7,000' (pipe out top of plug, 7.8 bbls). |
| 8. | TOOH to +/-6,950', reverse circulate, WOC, TIH and tag plug, record solid tag depth. TOOH. |
| 9. | Load the hole and pressure test the casing to 4,000 psi. |
| 10. | N/D BOP, N/U frac stack and test frac stack to frac pressure. |
| 11. | Perforate and frac the Mesa Verde in two or three stages (Top Perforation @ 4,184'; Bottom Perforation @ 5,324'). |
| 12. | Isolate frac stages with a composite bridge plug and set top isolation plug once frac is completed. |
| 13. | Nipple down frac stack, nipple up BOP and test. |
| 14. | TIH with a mill and drill out top isolation plug and Mesa Verde frac plugs. |
| 15. | Clean out wellbore, when water and sand rates are acceptable, flow test the Mesa Verde. TOOH. |

16. TIH and land 2 3/8" production tubing. Release service rig and turn well over to production.



HILCORP ENERGY COMPANY MARCOTTE 2 MESA VERDE RECOMPLETION SUNDRY

| Well Nar | orp Energ ne: MAI | y Company RCOTTE #2 | C | urrent Schem | itic | | |
|------------------|----------------------|--|--|--|--|--|--|
| API2 UWI | 3 | Surface Legal Location 008-031N-010W-I | Field Name WILDCAT | Ucensé No. #0900 | | State Province NEW MEXICO | Weil Configuration Type |
| Ground Elevation | (11) | Original KB/RT Elevation (ft) | KB- | Ground Distance (#) | KB-Casing Flang | e Distance (ft) K5-Tubir | ng Hanger Distance (11) |
| 3,004.00 | | 10,012.00 | 120. | | a lancasan an | | |
| | | | Original H | ole, 3/7/2018 10:3 | 9:15 AM | | |
| MD (ftKB) | TVD (ftKB) | | | Vertical sche | natic (actual) | | |
| 27.9 | 27.9 | | | and the second s | and the second | COND; 28.0-73.0 | : 6/15/1997: Cmt w/ 230 Class E |
| | | 1; Conductor; 36 in; 34.5 Pine | 0 in; 28.0 ftKB; Line | | | SURFACE CASIN | IG CMT; 28.0-490.0; 6/28/1997 |
| 128.0 | 126.0 | Fibe | 131103/11, 13.0 1110 | | 188 | Circ 5 bbls | MT STG 2: 28.0-2.737.0 |
| 488.8 | 438.5 | 2; Surface; 20 in; 19.12 | in; 28.0 ftKB; H-40, | | | 7/10/1997; Stg 2 | Cmt w/ 2235 sks, TOC @ |
| 995.1 | 995.1 | | 54105/IL 450/0 IIIO | | A state | INTER CASING C | MT STG1; 28.0-3,100.8; |
| 2,352.0 | 2,352.0 | -FRUITLAND (final) | | | | 7/10/1997; Stg 1 Surface, Circ 35 b | Cmt w/ 750 sks, bbis TOC @ |
| 2740.2 | 2740.1 | 3 Intermediate 13 3/8 in: | 12 42 in: 28 0 #KB | | | INTER CASING C | MT: 28.0-7,261.0; 7/22/1997 |
| | - | 5, internet are, 13 5/6 in, 68lbs/l | t, J-55; 3,100.8 ftKB | | | 9/8/97 | A Lite, TOC @ SURACE, CBL |
| 3,009.8 | 3,009.8 | Tubing; 2 3/8 in; 4.701 | b/ft; L-80; 18.0 fiKB; 7 016 9 ft/P | | | Hyd Frac-Foam N | 2; 11/4/2010; DAKOTA |
| 3,100.7 | 3,100.7 | Tubing Pup Joint; 23 | 8 in; 4.70 lb/ft; L-80; | 1 | | PUMPEDAS FOL | LOWS: STARTED 10 BBLS |
| 4,974.7 | 4.974.3 | -CL 7,016 | 9 ftKB; 7,019.0 ftKB | | | 2,565 PSI | PM @ 2434 PSI, B/D ZONE @ |
| 6.366.1 | 8.354.9 | 1 ubing, 2 5/0 in, 4.70 ibin | 7,050,2 ftKB | hund | ····· | STARTED 78,680 | GL 70Q SLICK/FOAM PAD. |
| 7.027.0 | 7.000.0 | Profile Nipple; 2 3/8 in; 7 | ,050.2 ftKB; 7,051.2 | | | DH PPG, PUMPE | D 63.9 FOAMED BBLS FLUSH. |
| TALL S | | Mule Shoe Guide; 2 | 3/8 in; 7,051.2 ftKB; | | | -AVG = 38.4 BPM. | BPM, MAX = RATE 33.3 BPM, - |
| 7,052.2 | 7,050.3 | GRANENOUTIN | 7,052.1 ftKB | | 1 | MIN PSI = 7045 P | PSI, MAX PSI = 7262, AVG PSI |
| 7,083.0 | 7,081.1 | Bridge Plug - Tempor | ary; 7,079.0-7,083.0 | | - | F.G85 TOTAL F | LUID TO RECOVER (ACID, |
| 7,112.5 | 7,110.5 | | | | | SLURRY | 2 BBLS CLEAN, 591.1 TOTAL |
| 7 220.8 | 7.218.8 | PERF - DAKOTA: 7,138.0 | -7.340.0: 11/1/2010 | | | ISIP = 2331 TOTA | AL N2 762,000 PUMPED - |
| | | CIBP SET @ 72 | 50'; 7,250.0-7,254.0 | 281 | 18 | SURFACTANT @ | 1.0 GL/1000, BREAKER @ 1 |
| 7,259.8 | 7,257.8 | 4; Intermediate; 9 5/8 ir | 7.261.0 ftKB; | | | Hyd Frac-Foam N | 2: 4/8/1998; 110 GALs 15% |
| 7,339.9 | 7,837.8 | CIBD set @ 7531 cm | W 10 cks 7 471 0 | | F | THCL, 5000# 20/40 | 0 Anzona, 159 BBLs Fluid, |
| 7,530.8 | 7,528.7 | CIDE SEL (27531, CIII | 7,533.0 | | 1 | LINER CMT. 7.08 | 9.0-13,484.6; 9/5/1997; Cmt w/ |
| 7,573.2 | 7,571.0 | Perf 2SPF; 7,561 | 0-7,573.0; 4/8/1998 | | b | Cement: 12.616.0 | 1/090, CBL 9/8/97 |
| 10 661 1 | 12 555 5 | Other in Hole | : 12,614.0-12,616.0 | | 8 | Hyd Frac-Acid Bas | se; 12/4/1997; 11,500 Gals 15% |
| 12,001.1 | | Perf 2SPF; 12,661.0-1 | 2,687.0; 12/12/1997 | | | Cement; 12,802.0 | 0-13,240.0; 12/11/2007 |
| 12,801.8 | 12,799.3 | Perf 2SPF: 12.890.0-1 | 2 900.0: 11/20/1997 | | | Hyd Frac-Gelledw | ater, 11/20/1997; 15,000 Gals |
| 12,949.1 | 12,946.6 | Perf 2SPF; 12,949.0-1 | 3,089.0; 11/16/1997 | | <u></u> | Hyd Frac-Gelledw | ater; 11/18/1997; 26,500 Gals |
| 13,240.2 | 18,237.6 | Other in Hole | ; 13,240.0-13,242.0 | | | 15% HCL, 32,300 Squeez w/ 200sk | S 12,890.0-13,240.0 |
| 13,355.0 | 18,352.4 | [Pen 25PF; 13,202.0-1 | 3,349.0; 11/16/1997 | | | 12(11/1997 | ater 11/4/1997-15 000 Cate |
| 13 360 9 | 12,372.3 | CIBP set @ 13385, cmt | w/ 6 sks; 13,355.0- | | | 15% HCL, 19,000 | GALS THERMAGEL |
| | | | 13,307.0 | | | Hyd Frac-Gelledw / 15% HCL, 32,300 | ster, 11/7/1997; 26,500 Gals GALS THERMAGEL |
| 13,390.1 | 10,007.5 | | | | | Hyd Frac-Gelledw | ater: 11/4/1997; 15,000 Gals |
| 13,398.6 | 13,396.0 | Perf 2SPF; 13,390.0- | 13,482.0; 11/4/1997 | | 11 | SQUEEZE: 13.36 | 2.0-13,733.0; 10/9/1997; 130 |
| 13,484.6 | 13,482.0 | 7,089.7 ftKB; 26lbs/ft, | M-95, 13,484.6 ftKB | | 1 | Sks, Premium omt | 560.0-13.850.0: 10/9/1997 |
| 15,534.1 | 13,531.4 | Perf 2SPF; 13,491.0-1 | 3,544.0; 10/27/1997 | | 1 | SQUEEZE: 13,53 | 4.0-13,705.0; 10/26/1997; Cmt |
| 13,560.0 | 13,557.3 | Other in Hole | ; 13,558.0-13,560.0 | | | Hyd Frac-Gelledw | ater: 10/4/1997; 15,000 Gals |
| 13 732 0 | 13 729 9 | Perf 2SPF; 13,562.0-1 | 3,733.0; 10/16/1997 | | | 15% HCL, 19,000 | GALS THERMAGEL |
| 14,1 46.5 | | CIBP set @ 13850, cmt | w/ 6 sks; 13,850.0- 13,882.0 | | | LINER CMT emt w | / 160 sks, TOC @ 13362, |
| 13,881.9 | 13,878.6 | | 10,002.0 | | 1 | Cement: 13.850.0 | 0-13,880.0; 10/1/1997 |
| 13,935.4 | 12,931.9 | Perf 1SPF: 13 890 0 | 14 004 0' 9/28/1997 | | t | Hyd Frac-Slickwat | er, 9/28/1997; 261BBLs |
| 14,007.9 | 14.004.8 | 1 41 1011, 10,000.04 | PBTD; 14,018.0 | | the second | Cement Plug; 14.0 | 008.0-14,019.0; 9/18/1997] |
| 14,019.0 | 14,015.5 | 6; LINER - PRODUC | TION: 5 in: 0.00 in: | ^ | | | Alter and the second se |
| | | a sector and a sector and the sector | | 5a) | 92- | | |