| Submit 1 Conv To Appropriate District | | E |
|---|---|---|
| Office | State of New Mexico | Form C-103 Revised July 18, 2013 |
| <u>District I</u> – (575) 393-6161 1625 N. French Dr., Hobbs, NM 88240 | Energy, Minerals and Natural Resources | WELL API NO. |
| <u>District II</u> $-$ (575) 748-1283 | OIL CONSERVATION DIVISION | 30-045-23021 |
| <u>District III</u> – (505) 334-6178 | 1220 South St. Francis Dr. | 5. Indicate Type of Lease |
| 1000 Rio Brazos Rd., Aztec, NM 87410 District IV – (505) 476-3460 | Santa Fe, NM 87505 | 6. State Oil & Gas Lease No. |
| 1220 S. St. Francis Dr., Santa Fe, NM | | FEE |
| SUNDRY NOT | ICES AND REPORTS ON WELLS | 7. Lease Name or Unit Agreement Name |
| (DO NOT USE THIS FORM FOR PROPO | SALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A | |
| PROPOSALS.) | | GRENIER |
| 1. Type of Well: Oil Well | Gas Well 🛛 Other | 8. Well Number |
| 2. Name of Operator | | 9. OGRID Number |
| HILCORP ENERGY COMPA | NY | 372171 |
| 3. Address of Operator 382 Road 3100 Aztec, NM 87 | 410 | 10. Pool name or Wildcat Blanco Mesaverde/Basin Dakota |
| 4 Well Location | | |
| Unit Letter M | 1190 feet from the South line and 1190 | feet from the West line |
| Section 31 | Township 31N Range 11W | NMPM San Juan County |
| | 11. Elevation (Show whether DR, RKB, RT, GR, etc. | ·.) |
| | 5861' | |
| | A service Deside I. J'and Notes of CNI d'a | Devent of Other Dete |
| 12. Check A | Appropriate Box to indicate Nature of Notice, | , Report or Other Data |
| NOTICE OF IN | ITENTION TO: SUE | SEQUENT REPORT OF: |
| | PLUG AND ABANDON | |
| | | |
| DOWNHOLE COMMINGLE | | |
| CLOSED-LOOP SYSTEM | | _ |
| OTHER: | RECOMPLETION OTHER: | ad give pertinent dates, including estimated date |
| of starting any proposed w | ork). SEE RULE 19.15.7.14 NMAC. For Multiple Co | ompletions: Attach wellbore diagram of |
| proposed completion or rec | completion. | |
| | | |
| Hilcorp Energy Company reque | ests permission to recomplete the subject well in the M | esaverde and downhole commingle with the |
| existing Dakota with the Mesav | erde. Attached is the procedure, wellbore diagram, pl | at, and gas capture plan. A DHC application |
| will be filed and approved prior | to commingling. A closed loop system will be used. | |
| | | MLA OB |
| | Notify NMOCD 24 hrs | awo C N |
| | prior to beginning | JAN 1 & 2010 |
| | operations | 0.001 1 2015 |
| | | DISTRICT III |
| Saud Data | Dis Delassa Data | t n x |
| Spud Date. | Kig Kelease Date. | |
| | | |
| I hereby certify that the information | above is true and complete to the best of my knowledge | ge and belief. |
| | an t | |
| SIGNATURE HUSULLA | Noth TITLE Operations Regulatory Te | echnician Sr. DATE 1/11/2019 |
| | | |
| Type or print name Priscilla She | orty UE-mail address: <u>pshorty@hilcorp.c</u> | om PHONE: 505-324-5188 |
| For State Use Only | 7M all a Cas Inst | pector, |
| APPROVED BY: Bach | TITLE District #3 | DATE 1/17/19 |
| Conditions of Approval (if any): | A | |
| | · • | |

B

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

Permit 262175

WELL LOCATION AND ACREAGE DEDICATION PLAT

| 1. API Number | 2. Pool Code | 3. Pool Name |
|------------------|------------------------|---------------------------------|
| 30-045-23021 | 72319 | BLANCO-MESAVERDE (PRORATED GAS) |
| 4. Property Code | 5. Property Name | 6. Well No. |
| 318535 | GRENIER | 023 |
| 7. OGRID No. | 8. Operator Name | 9. Elevation |
| 372171 | HILCORP ENERGY COMPANY | 5861 |
| | | |

10. Surface Location

| JL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|----------|
| М | 31 | 31N | 11W | 4 | 1190 | S | 1190 | W | 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 A 322. | cres 90 | | 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: Prycuua Shorry Title: Operations Regulatory Technician - Sr. |
| Date: 1/11/2019 |
| 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: Fred Kerr |
| Date of Survey: 5/30/1978 |
| Certificate Number: 3950 |



٠.

**

HILCORP ENERGY COMPANY GRENIER 23 MESA VERDE RECOMPLETION SUNDRY

| | API #: 3004523021 |
|-----|---|
| | JOB PROCEDURES |
| 1. | MIRU service rig and associated equipment; NU and test BOP. |
| 2. | TOOH with 2 3/8" tubing set at 6,835'. |
| 3. | Set a 4-1/2" cast iron bridge plug at +/- 4,920' to isolate the Dakota Formation. Load the casing and pressure test the CIBP. |
| 4. | RU E-line and run in the hole with perforating guns. Perforate the Mesa Verde formation within 4,150' (top) and 4,870' (bottom). RD E-line. |
| 5. | ND BOP, NU 10K Frac Stack, NU BOP and test. TIH with 2-7/8" frac tubing string and 4-1/2" packer. Pressure test frac tubing string and frac stack to frac pressure. |
| 6. | NU frac equipment and perform frac job in 1 or 2 stages in the Mesa Verde Formation. RD frac equipment. |
| 7. | RU service rig and associated equipment. ND frac stack. NU BOP and test. TOOH and LD the frac tubing string and packer. |
| 8. | TIH with mill and clean out wellbore to the Dakota isolation plug. |
| 9. | When water and sand rates are acceptable, drill out the Dakota isolation plug and cleanout to PBTD of 6,924'. TOOH. |
| 10. | TIH and land 2-3/8" production tubing. Get a commingled Dakota/Mesa Verde flow rate. |



•

11

HILCORP ENERGY COMPANY GRENIER 23 MESA VERDE RECOMPLETION SUNDRY

| Hilcorp En | ergy Company | Schem | atic - Curi | rent | | |
|-------------------------------|--------------------------------|---|-----------------------------|--------------------------------------|--|---|
| PI/UWI | Surface Legal Location | Field Name | License No. | | State/Province | Well Configuration Type |
| Original KB/RT Elevation (ft) | K5-Tubing Hanger Distance (ft) | Original Spud Date | Rig Release D | lale | PETD (All) (1KB) | Total Depth All (TVD) (ftKB) |
| Aost Recent Job | | 12/26/19/8 00:00 | | | Original Hole - 6.924.0 | |
| | Primary Job Type | Secondary Job T | PRED | Actual Start D | ate End | Date S/2009 |
| D: 6,931.0 | ION TOTAL | Original Hole | 1/11/2010 1-1 | 14-46 DM | 1400 | 2000 |
| | 1 | Original Hole, | 1/11/2013 1. | 14.40 FW | | |
| MD (ftKB) (ftKB) | | | Vertical sche | matic (actual) | | |
| 9.0 | | a ded was dath da stransmert date of south and have a data by | 1011-2021-2-0 04-0-014-01-1 | All of La Apple & application of the | Surface Casino Ce | ement: 10.0-229.0 |
| 333.0 | | | | | 12/27/1978; Cemer | ted with 130 sxs of Class |
| 220.0 | 1; Surface; 8 5/8 in; 7.83 | in; 10.0 ftKB; 229.0 | | | Cement Orediated | S bbis to Sunace. |
| 2290 | | ftKB | | | | |
| 1,399.9 | | | | | Stage tool @2473; Stage 3. Cemented | 1,400.0-2,473.0; 1/5/1979; i with 452 sxs of Class B |
| 1.930.1 | Kirtland Formation (final) | | | | cement 50/50, Poz | w/ 6% gel & 1/4# flocele |
| 2,279 9 | Pictured Cliffs (final) | | | | | |
| 2,467.5 | | | | | | |
| 2.469 8 | | | | | | |
| 2.473.1 | | DV Tool @ 2,473 | 959592 | 000000 | | |
| 3.040.0 | -Hueranito Bentonite (final |) | | | | |
| 3.290 0 | Tubing; 2 3/8 in; 4.70 I | b/ft; J-55; 10.0 ftKB; 6,767.9 ftKB | | | | |
| 3.863.8 | | | | | Stage tool @5074; | 3,290.0-5,150.0; 1/5/1979; |
| 4,063.0 | | | | | Stage 2. Cemented cement 50/50 Pozy | with 446 sxs of Class B w/6% gel, 1/4# fiocele per |
| 4.617.1 | - Point Lookout (final) | | | | sack and 2% CaCl | 2. CBL from 2009 |
| 4,950.1 | —Mancos (final) ——— | | | | | |
| 5,046.9 | | DV Tool @ 5.047 | | | | |
| 5.070 9 | | | | | | |
| 5.073.5 | | | | | | |
| 5.149.9 | | | 10000 | ANNA! | | |
| 5.877.0 | -Ballup (final) | ***** | | | ***** | ***** |
| 6.250 0 | | | 8889 | MAN | Production Casing | Cement: 6,250.0-6,931.0; |
| 6,471 1 | | | | | Class B cement, 5 | D/50, Poz w/ 6% gel & 1/4# |
| 6.750 0 | | , | 50000 Village | | Class B cmt w/ 1/4 | #flocele per sack and 2% |
| 6.768.0 | Marker sub; 2 3/8 in; 4.7 |) Ib/ft; J-55; 6,767.9 | 10000 | 18686 | CaCl2. CBL verify | on 2009 |
| 6.770.0 | Tubing; 2 3/8 in; 4.70 lb/ft | tKB; 6,770.0 ftKB; J-55; 6,770.0 ftKB; | 10000 | | (| |
| 6.810.0 | | 6.833.0 ftKB | - NEWSON | 10000 | Hyd Frac-Other: 5/ | 5/1979; Frac'd with 73,962 |
| 6.833.0 | BS; 2 3/8 in; 4.70 lb/ft | J-55; 6,833.0 ftKB; | 100000 | 30000 | sand. | gel and 102.650#20/40 |
| 6,834.0 | KB; 2 3/8 in; 4.70 lb/ft | J-55; 6,834.1 ftKB; | | I MARKA | N | |
| 6,835.0 | | 6.834.9 ftKB | 00000 | 100000 | | |
| 6.899.9 | | | 100000 F | 100000 | | |
| 6,923.9 | | PBTD; 6,924.0 | | | Cement Plug; 6,92 | 4.0-6,931.0; 1/5/1979 |
| 6,929.1 | | | | | | |
| 6.930.1 | | | | | | |
| 6.931.1 | 2; Production; 4 1/2 in | 1; 4.00 in; 10.0 ftKB; 6,931.0 ftKB | | | | |
| | | | | | | |