| <b>Received by OCD: 2/26/2021 6:35:08</b> A<br>Office   | M State of New Me<br>Energy, Minerals and Nati                  |                   | Form C <sup>Page 1 of</sup><br>Revised July 18, 2013      |  |  |
|---|---|-------------------|---|--|--|
| <u>District I</u> – (575) 393-6161<br>1625 N. French Dr., Hobbs, NM 88240<br><u>District II</u> – (575) 748-1283<br>811 S. First St., Artesia, NM 88210                                       | OIL CONSERVATION  |                   | WELL API NO.<br>30-045-33583<br>5. Indicate Type of Lease |  |  |
| <u>District III</u> - (505) 334-6178  | <u>District III</u> – (505) 334-6178 1220 South St. Francis Dr. |                   |   |  |  |
| 1000 Rio Brazos Rd., Aztec, NM 87410<br><u>District IV</u> – (505) 476-3460   | Santa Fe, NM 8  | 7505              | STATE     FEE       6. State Oil & Gas Lease No.          |  |  |
| 1220 S. St. Francis Dr., Santa Fe, NM<br>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<br>DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH |   |                   | 7. Lease Name or Unit Agreement Name<br>RIO BRAVO         |  |  |
| PROPOSALS.)   | TION FOR PERMIT <sup>®</sup> (FORM C-101) F                     | OR SUCH           | 8. Well Number  |  |  |
|   | as Well 🛛 Other   |                   | 5<br>9. OGRID Number                                      |  |  |
|   | 2. Name of Operator   |                   |   |  |  |
| HILCORP ENERGY COMPANY  | [   |                   | 372171  |  |  |
| 3. Address of Operator<br>282 Read 2100 Artee NIM 87410   | <b>)</b>  |                   | 10. Pool name or Wildcat<br>SWD MESAVERDE                 |  |  |
| 382 Road 3100, Aztec, NM 87410  |   |                   | SWD MESAVERDE   |  |  |
| 4. Well Location  |   | 1. 1.1045         |   |  |  |
|   | 505 feet from the <u>NORTH</u>                                  |                   |   |  |  |
| Section 27  | Township 31N Ran  |                   | MPM SAN JUAN County                                       |  |  |
|   | 11. Elevation (Show whether DR 567                              |                   | )   |  |  |
| 12. Check Ap  | ppropriate Box to Indicate N                                    | lature of Notice, | Report or Other Data                                      |  |  |
| NOTICE OF INT   | ENTION TO:  | SUB               | SEQUENT REPORT OF:  |  |  |
| PERFORM REMEDIAL WORK  PLUG AND ABANDON  REMEDIAL   |   |                   | EDIAL WORK 🛛 ALTERING CASING 🗌                            |  |  |
| TEMPORARILY ABANDON CHANGE PLANS COMMENCE DF  |   |                   | ILLING OPNS. P AND A                                      |  |  |
| PULL OR ALTER CASING  | MULTIPLE COMPL  | CASING/CEMEN      | Т ЈОВ 🗌   |  |  |
| DOWNHOLE COMMINGLE  |   |                   |   |  |  |
| CLOSED-LOOP SYSTEM  |   |                   | _   |  |  |
| OTHER: 🛛 🖾 A  | CID JOB   | OTHER:            |   |  |  |

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 to perform an acid job on the subject well per the attached procedure and wellbore schematic.

| 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  | TITLE Operations/Res | gulatory Technician – Sr. DATE | 2/26/2021 |  |  |  |  |
| Type or print name Amanda Walker   | E-mail address: mwal | lker@hilcorp.com PHONE: _(505) | 324-5122  |  |  |  |  |
| For State Use Only   | -                    |                                |           |  |  |  |  |
| APPROVED BY:<br>Conditions of Approval (if any):   | TITLE                | DATE_                          |           |  |  |  |  |

| Hilcorp  | Hilcorp Energy Company<br>Rio Bravo 5 SWD<br>Acid Job - Notice of Intent<br>API #: 3004533583   |
|--|---|
|  | PROCEDURE   |
| Properly document all operations<br>housekeeping, and procedures.<br>Comply with all NMOCD and HEC<br>If H2S is present, take the neces  | or to beginning all operations or during a change in operational scope or initiation of SIMOPs.<br>via the JSA process. Insure that all personnel onsight abide by HEC safety protocol, including PPE,<br>/erify cathodic protection is off and wellhead instrumentation is properly disconnected from wellhead.<br>C safety and environmental regulations. Verify there is no H2S present prior to beginning operations.<br>sary actions to insure that the operation is safe prior to beginning operations. Observe and record<br>prior to beginning operations. Notify NMOCD a 24 hours in advance of beginning operations |
| 2. Shut in well and isolate from SW  | D operations  |
| <ol> <li>Injection the following down the v<br/>Spearhead: 55 gal mutual solv<br/>Pump: 1250 gal 15% HC<br/>20 gal surfactant<br/>12 gal iron chelar<br/>10 gal scale inhib<br/>25 gal mutual solv<br/>*Add diverter bio<br/>Flush: 2% KCl displacent</li> </ol> | vent<br>L inhibited<br>itor<br>vent<br>balls to optimize treatment  |
| 4. Shut down injection and monitor   | pressures.  |
| 5. Shut in well, up to 24 hours.   |   |
| 6. Return well back to SWD injectio  | n   |
|  |   |

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|                                  | Energy Company   | Current S  | Schematic                      |   |  |
|----------------------------------|--|--|--------------------------------|---|--|
| PI / UWI                         | Surface Legal Location   | Field Name   | Route                          | State/Province  | Well Configuration Type  |
| 004533583<br>ound Elevation (ft) | E-27-31N-13W<br>Original KB/RT Elevation<br>5,685.00             | (ft) KB-Ground Distant<br>12.00                                    | 0202<br>ce (ft) KB-Casing Flan | DEW MEXICO  | Vertical           Hanger Distance (ft)  |
| 673.00                           | 5,085.00   | 12.00  |                                |   |  |
|                                  |  | Vertical, Original Hole, 2   | 2/26/2021 6:22:02 A            | M   |  |
|                                  | VD<br>KB)  | Ver  | tical schematic (actual)       |   |  |
| 274.9 —                          |  |  |                                | cement casing as follows: pump 10<br>III w/2% cacl2, .25# cello flake at 15   | .00; 10/3/2006; Rig up BJ services and<br>bbls water ahead, cement with 300 sks Type<br>5.2 ppg, 1.28 yield, drop plug and displace<br>:20 hrs 10/03/2006, shut well in, had full<br>and to surface. |
| 332.0 —                          |  | ASING; 9 5/8 in; 8.92 in;<br>Description: SURFACE<br>: 332.00 ftKB |                                |   |  |
| 655.8 —                          | Ojo Alamo (final)  | ; 332.00 IIKB  |                                | as follows: pump 11 bbl gel water a<br>CaCl2, 0.25# cello ?ake, 5% LCM-I  | 0-2,061.50; 10/10/2006; Cement 2nd stage<br>head, cement w/ 65 sx Premium lite w/ 1%<br>, 0.4% FL-52, 8% Bentonite, 0.4% sodium<br>slurry, 140 sx Premium lite w/ 1% CaCl2, 0.25#                    |
| ,503.9 —                         | Kirtland (final)     Fruitland (final)                           | LAND COAL; 1,630.00-   |                                | cello ?ake, 0.5% FL-52 @ 12.5 ppg<br>hrs 10/10/06, close DV tool, had ful<br>surface.   | 2.15 yield for tail slurry. Drop plug @ 00:28<br>I returns. Circulate 25 bbl good cement to  |
| ,600.1 —                         |  | 1,638.00; 12/5/2006<br>LAND COAL; 1,692.00-                        |                                | Cement Plug (plug); 1,583.00-1,900  | 0.00; 1/19/2010; per schematic   |
| ,638.1 —                         |  | 1,702.00; 12/5/2006<br>0 lb/ft; J-55; 12.00 ftKB;                  |                                | Stims and Treats; 12/5/2006; Acidiz   | e w/ 1,000 gal 12.5% acid. Frac w/ 51,756#,  |
| ,702.1                           |  | 3,438.00 ftKB  |                                | Cement Plug; 1,600.00-1,900.00; 1/  | /19/2010; per schematic  |
| ,795.9 —                         | PERF - FRUIT   | LAND COAL; 1,788.00-<br>1,796.00; 12/4/2006                        |                                | Hydraulic Frac; 12/5/2006; Acidize v<br>max psi: 2081, Avg psi: 1955, max 1<br>1484, 5 min: 1097 psi, 10 min: 1034                  | w/ 1,000 gal 12.5% acid. Frac w/ 51,756#,<br>rate: 38.6 bpm, avg rate: 35.0 bpm, ISIP:<br><br>psi, 15 min: 1002 psi.   |
| ,847.1                           | Pictured Cliffs (final)  |  |                                |   |  |
| 999.0 —                          | — Lewis (final) —  |  |                                |   |  |
| 059.1 —                          |  | 2 7/8 in; 3,438.00 ftKB;   |                                | Intermediate Casing Cement: 2.061   | .50-4,650.00; 10/10/2006; Cement 1st stage   |
| ,398.0 —                         |  | 3,439.00 ftKB<br>2 7/8 in; 3,439.00 ftKB;                          |                                | as follows: pump 10 bbl water ahea<br>0.25# cello flake, 0.2% CD-32, 0.5%   | d, cement w/ 336 sx Premium lite w/ 1% KČl,<br>6 FL-52, 4# Pheno Seal mixed @ 12.5 ppg,<br>bbl cement to surface. Plug down @ 23:21  |
| ,438.0                           |  | 3,440.00 ftKB<br>3,440.00 ftKB; 3,445.00                           |                                | nrs 10/09/06.   |  |
| ,440.0 —                         |  | 6.40 lb/ft; J-55; 3,445.00   |                                |   |  |
| ,480.0                           |  | ftKB; 3,480.00 ftKB  |                                |   | REAKDOWN W/3400 MAX PSI. PUMP 1000   |
| 9,561.0                          |  | 3,561.00; 6/9/2010   |                                | GAL 15% HCI ACID. DROP 250 BK<br>FLUSH W/25 BBLS @ 1.5 BPM, 31  | D SEALERS. RATE @ 2 BPM, 1955 PSI.   |
| 3,582.0                          | — Menefee (final) ——   |  |                                | CMT ABOVE RETAINER. LAY DOV<br>BBLS,<br>REVERSE CIRC 1.5 BBLS CMT.  | VN 1 JT. REVERSE CIRCULATE W/17.5  |
| ,069.9                           |  |  |                                | SX CMT ABOVE RETAINER. LAY I<br>BBLS,<br>REVERSE CIRC 1.5 BBLS CMT.   | 4,100.00; 6/8/2010; STING OUT LEAVING 10<br>DOWN 1 JT. REVERSE CIRCULATE W/17.5  |
| ,102.0 —                         | Cement Reta  | iner; 4,100.00-4,102.00  |                                | Cement Squeeze (plug); 4,102.00-4<br>15.8#, 1.18 YIELD= 82.6 CU/FT CI<br>RETAINER. RATE SLOWED TO 1//<br>SHUT DOWN PUMP AND HELD 10 |  |
| ,200.1                           |  |  |                                | Cement Squeeze; 4,102.00-4,313.0  | 0; 6/8/2010; MIX AND PUMP 70 SX, 15.8#,<br>3 CMT. SQUEEZE 60 SX CMT BELOW  |
| ,276.9 —                         | - H PERF - MESAVER   | DE; 4,200.00-4,286.00;<br>4/14/2010                                |                                | SHUT DOWN PUMP AND HELD 10  |  |
| ,310.0 —                         |  |  |                                | Compat Di 4 340 00 4 005  | /18/2010; Spot a barrel cement plug on top of  |
| ,335.0 —                         | Bridge Plug - Perma  | nent; 4,335.00-4,337.00  |                                | Cement Plug; 4,313.00-4,335.00; 1/<br>the CIBP-displace the tubing-start tri  |  |
| ,559.1 —                         | Mancos (final)   |  |                                |   |  |
| ,639.1 —                         | 12.00 ftKB; Descr  | CASING; 7 in; 6.37 in;<br>iption: INTERMEDIATE                     |                                |   | 00-6,675.00; 10/21/2006; Cement casing as  |
| ,649.9                           | Comment  | Chemical cut @ 4,339'  |                                | 2.10 yield for lead slurry, 80 sx Prer<br>2.01 yield for tail slurry, wash pump   | Premium Lite FM w/ additives @ 12.1 ppg,<br>mium Lite HSFM w/ additives @ 12.5 ppg,<br>s and line. Drop plug & displace w/ 103 bbl   |
| ,773.0 —                         | Gallup (final)   | ; 4,640.00 ftKB  |                                | water (clay treat), plug down @ 12:<br>to surface. Had good lift pressure, ?<br>on 11/07/06.  | 00 hrs, 10/21/06, had full returns, no cement<br>vat held. NDBOP. TOC @ 4636' per CBL ran<br>/18/2010; Spot a six barrel cement plug   |
| ,344.2 —                         | Green Horn (final) —<br>Graneros (final) —<br>Graneros (final) — | TA; 6,442.00-6,544.00;   |                                | across the dakota perforations (No details of depths given. Used p  | perfs for top & btm depths.)   |
| ,412.1 —                         | – Dakot  | 11/7/2006  |                                | of 12 1/2% acid, dropping a total of  | cidize the Dakota formation with 1000 gallons<br>30 bio-ball sealers. (had fair ball action.)<br>Dakota formation (foam frac - 65Q) with   |
| ,544.0 —                         |  | aned out with air mist to<br>6638 ft (PBTD)                        |                                | Production Casing Cement (plug); (<br>casing as follows: pump 10 bbl water<br>bbl water ahead, cement w/ 80 sx F                    | 6,638.00-6,675.00; 10/21/2006; Cement<br>ar, 20 bbl chemical wash, 10<br>Premium Lite FM w/ additives @ 12.1 ppg,  |
| ,673.9 —                         |  | SING; 4 1/2 in; 4.00 in;   |                                | 2.10 yield for lead slurry, 80 sx Prer<br>2.01 yield for tail slurry, wash pump<br>water (clay treat), plug down @ 12:              | mium Lite HSFM w/ additives @ 12.5 ppg,<br>s and line. Drop plug & displace w/ 103 bbl<br>oo hrs, 10/21/06, had full returns, no cement<br>oat held. NDBOP. TOC @ 4636' per CBL ran                  |
|                                  |  | ; 6,675.00 ftKB  |                                | to surface. Had good lift pressure, ?<br>on 11/07/06.   | UC @ 4636" per CBL ran   |

District I 1625 N. French Dr., Hobbs, NM 88240

District II

District IV

Phone:(575) 393-6161 Fax:(575) 393-0720

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

District III 1000 Rio Brazos Rd., Aztec, NM 87410 CONDITIONS

Action 19086

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

## CONDITIONS OF APPROVAL

| Operator:              |                    |                  |           | OGRID: | Action Number: | Action Type: |
|------------------------|--------------------|------------------|-----------|--------|----------------|--------------|
| HILCORP ENERGY COMPANY | 1111 Travis Street | Houston, TX77002 |           | 372171 | 19086          | C-103X       |
|                        |                    |                  |           |        |                |              |
| OCD Reviewer           |                    |                  | Condition |        |                |              |
| blamkin                |                    |                  | None      |        |                |              |