

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

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

| | | |
|---|--|---|
| 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. 30-025-09787 |
| 1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Injector | | 5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |
| 2. Name of Operator SDG Resources L. P. | | 6. State Oil & Gas Lease No. 141560 |
| 3. Address of Operator P. O. Box 1390 Montrose, CO 81402 | | 7. Lease Name or Unit Agreement Name Cooper Jal Unit |
| 4. Well Location Unit Letter <u>K</u> : <u>2310</u> feet from the <u>SOUTH</u> line and <u>2310</u> feet from the <u>WEST</u> line Section <u>24</u> Township <u>24S</u> Range <u>36E</u> NMPM LEA County | | 8. Well Number 211 w |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,313' KB | | 9. OGRID Number 193003 |
| Pit or Below-grade Tank Application <input checked="" type="checkbox"/> or Closure <input type="checkbox"/> | | 10. Pool name or Wildcat JALMAT: Yates & 7-Rivers. |
| Pit type <u>DIRT</u> Depth to Groundwater <u>139'</u> Distance from nearest fresh water well <u>>1000</u> feet Distance from nearest surface water <u>>1000</u> feet | | |
| Pit Liner Thickness: <u>12</u> mil Below-Grade Tank: Volume <u>200</u> bbls; Construction Material <u>Synthetic</u> | | |

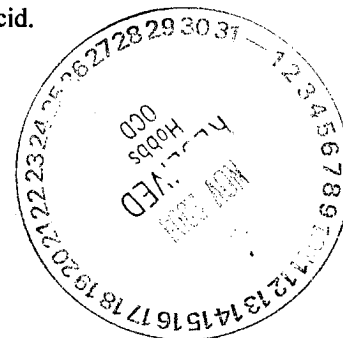
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

| | | | |
|--|---|--|--|
| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> | COMMENCE DRILLING OPNS. <input type="checkbox"/> | P AND A <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | MULTIPLE COMPL <input type="checkbox"/> | CASING/CEMENT JOB <input type="checkbox"/> | |
| OTHER: Clean out injector w/Coiled Tubing and Acidize. <input checked="" type="checkbox"/> | | OTHER: <input type="checkbox"/> | |

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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Objective: Clean out injector w/Coiled Tubing and Acidize with 4,000 gallons 15% NEFE HCl acid.

1. MIRU Coiled Tubing Unit.
2. RIH 1 1/4" Perf-Clean Tool on 1 1/4" coil tubing to 2962'.
3. Energize Tool and clean out open hole 3,001'-3,400' with surfactant water.
4. Acidize open hole 3,001'-3,400' with 4,000 gallons 15% NEFE HCl acid.
5. POOH with coiled tubing and rig down Perf-Clean Tool.
6. RD Coiled Tubing Unit.
7. Place well on injection at approximately 220 bwpd.
8. Maximum permitted injection pressure is 600 psig.



I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒ a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Domingo Canales TITLE Senior Petroleum Engineer DATE 11/10/04

Type or print name
For State Use Only

E-mail address: Domingo@sdgresources.com Telephone No. 432-550-7580

APPROVED BY: Larry W. White OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE NOV 22 2004

Conditions of Approval (if any):

| WELLBORE SCHEMATIC AND HISTORY | | | |
|---|--|---|---------------------|
| CURRENT COMPLETION SCHEMATIC | | Cooper Jal Unit | |
| | | LEASE NAME | WELL NO. 211 |
| | | STATUS: Active | Water injector |
| | | LOCATION: 2310 FSL & 2310 FWL, Sec 24, T - 24S, R - 36E, Lee County, New Mexico | |
| | | SPUD DATE: TD 3600 KB 3,325' DF | |
| INT. COMP. DATE: 04/04/50 PBTD 3600 GL 3,312' | | AP# 30-025-09787 | |
| | | GEOLOGICAL DATA | |
| ELECTRIC LOGS: | | CORES, DST'S or MUD LOGS: | |
| Injection Profile (3-18-97 Houston Inc.) GR-DSN-SDL from 3600 - 3001' (2-1-94 Halliburton) | | GR-DSN-DLL from 3600 - surface (2-1-94 Halliburton) | |
| Injection Profile (5-4-95 Houston Inc.) GR- Compensated Sonic from 3600 - 3001' (2-1-94 Halliburton) | | | |
| Yates @ 3001' | | HYDROCARBON BEARING ZONE DEPTH TOPS: | |
| | | CASING PROFILE | |
| SURF. 8 5/8" - 29.75# J-55 set @ 302' Cmt'd w/125 sxs - circ cmt to surface. | | | |
| PROD. 5 1/2" - 14#, J-55 set @ 3001' Cmt'd w/400 sxs - TOC @ 895' from surface by calculation. | | | |
| LINER 4" - 10.46# Hydrill F. J. set at 2970', Cemented with 200 sx Class C to surface. | | | |
| CSG. PERFS: | | OPEN HOLE : 3001 - 3400' | |
| TUBING DETAIL 2/2/2004 | | ROD DETAIL | |
| Length (ft) Detail | | | |
| 0.00 KB | | | |
| 2900.99 91 jts - 2 3/8" 4.7#, IPC, J-55, 8rd EUE tbq. | | | |
| 2.90 1- 4" x 2 3/8" Baker AD-1 packer | | | |
| 2903.89 btm | | | |
| WELL HISTORY SUMMARY | | | |
| 04-Apr-50 Initial completion 3001 - 3244' (Yates OH): No stimulation. IP=56 bopd, 0 bwpd, & 63 Mcf/gpd. (flowing) | | | |
| 09-Sep-54 Frac OH w/2,000 gals ise oil carrying 3,000#s sand. Re-frac OH w/14,000 gals ise oil carrying 18,000#s sand. | | | |
| 14-Jul-57 C/O to 3244' & place on pmp. | | | |
| 22-Feb-59 C/O to 3244'. (No report on location of fill) | | | |
| 17-Nov-70 CONVERTED TO INJECTOR: C/O fill to 3244'. | | | |
| 07-Jul-89 C/O fill from 3030 - 3244' (214'). Adcd'd OH w/4,000 gals 15% NEFE HCL in 4 equal stages diverting w/500# rock salt blocks. Ran pkr on 2 3/8" CL tbq. Placed well on injection @ 445 bwpd, TP=875 psi. | | | |
| 11-Jan-94 RIH 4 3/4" bit, 12 - 3 1/2" OD drill collars. Tagged at 3235', geeling returns out of bradenhead. Found holes in 5 1/2" casing at 320' to 350'. Sqyeezed with 150 sacks class "c" w/2%. Circulated with 22 sacks cement. Drilled and test squeeze to 500 psig - held. Tagged junk at 3255'. Drilled out junk and deepened well to new TD of 3600'. | | | |
| Ran GR-MSFL-DLL, GR-DSN-SDL, & GR- Borehole Compensated Sonic logs. Acidized OH w/8,400 gals 20% NEFE HCL. Well DHC Injection (Jalmat & Langlie Matix). Initiated injection @ 339 bwpd @ 450 psi. | | | |
| 04-May-95 Ran injection profile. Results: 73% fluid - 3060 -70', 11% fluid - 3300-11', & 16% fluid - 3528-43'. | | | |
| 06-Mar-97 Tagged fill @ 3538'. (62) Dumped sand in OH and PB from 3538 - 3420'. Dmp cmt from 3420-3400'. Adcd'd OH (3001'-3400') w/4,000 gals 15% using N2 foam as diverter using coiled tubing. AIR (fluid)=1.2 bpm. Ran packer on 2 3/8" CL tubing. Set pkr @ 2952'. Test casing - good test. Initiated injection @ 486 bwpd, TP=250 psi. | | | |
| 14-Feb-02 Tag TD using SL unit (1 1/4" x 5' sinker bar). Tag fill @ 3048' (352' of fill). | | | |
| 23-May-02 Wash w/ surfactant H2O. 3 passes and wash w/ acid. Pump w/ 1240 gals. Pmp., flush w/ acid. Flow Bk. Put on Inj. at 200 BWPD. | | | |
| 17-Nov-03 POOH with 2 3/8" IPC tubing and AD-1 packer. RIH with 4 3/4" bit, 6 3 1/2" drill collars and tagged at 3148'. Cleaned out to 3400'. Located 5 1/2" casing leak between 325' to 356'. Squeezed with 200 sx Class C Neat w/2% CaCl. Hesitation squeeze - final pressure was 330 psig, dropped to 200 psig in 5 minutes. Drilled cement from 230' to 300'. Test squeeze to 500 psig - bled to 300 psig in 5 minutes. Recovered RBP. RIH with 5 1/2" Baker AD-1 Tension packer and set 2901'. Pressure annulus to 500 psig. Pulled pressure chart for OCD filing. | | | |
| 26-Jan-04 POOH with 2 3/8" IPC tubing and lay down AD-1 packer. RIH with 4.45" Junk Basket and CCL on Wireline. Found end of casing at 3001'. RIH with Composite Bridge Plug and set at 2980'. RIH with 72 - 4" Liner. Cement with 200 sx Class C Neat cement, circulated with 34 bbls cement. Test 5 1/2" casing to 500 psig - did not held. Drilled out wiper plug, float shoe, and Tagged Composite Bridge Plug at 2970'. Test 4" liner to 500 psig - held. Drilled Composite Bridge Plug and tagged at 3400'. Circulated clean and lay down work string and BHA. RIH w/4" Baker Model AD-1 packer. Hydrotest tubing to 5000 psig. Locate packer at 2962', circulate annulus with 50 bbls of inhibited 2% KCl wtr. Set pkr with 20,000# and test annulus to 500 psig - held. Pulled chart for OCD. Prior rate & pressure: Shut In. After rate & pressure: 230 BWPD @ 420 psig. | | | |
| 25-Mar-04 Pumped 30 bbls surfactant water. Acidized with 1000 gals 15% NEFE acid @ 2.5 BPM. Flushed with 12.5 bbls water. Prior rate & pressure: 288 BWPD @ 700 psig. After rate & pressure: 255 @ 500 psig. | | | |