

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. 30-025-09631
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Injector DHC		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>C</u> : <u>660</u> feet from the <u>NORTH</u> line and <u>1980</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 120 w
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,326' 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: Tansill, Yates & 7-Rivers.
Pit type <u>DIRT</u> Depth to Groundwater <u>130'</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:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

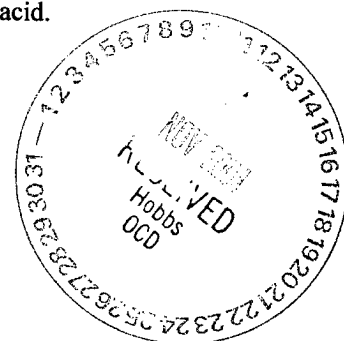
OTHER: Clean out injector w/Coiled Tubing and Acidize. ☒

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 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 2,938'.
3. Energize Tool and clean out Perfs 3,011'-3,416' with surfactant water.
4. Acidize Perfs 3,011'-3,516' 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 238 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 Canizales 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. Wink TITLE FIELD REPRESENTATIVE II/STAFF MANAGER DATE NOV 22 2004

Conditions of Approval (if any):

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

Surface Csg

Hole Size: 12 1/4 in
Csg. Size: 8 5/8 in
Set @: 315 ft
Sxs Cmt: 150
Circ: Yes
TOC @: surf
TOC by: circ

Production Liner

Hole Size: 4 in
Csg. Size: 4 in
Top: 2854 ft
Btm: 3604 ft
Sxs Cmt: 45
Circ: Yes
TOC @: TOL
TOC by: Circ

Production Csg.

Hole Size: 7 5/8 in
Csg. Size: 5 1/2 in
Set @: 3000 ft
Sxs Cmt: 650
Circ: No
TOC @: 70 ft f / surf.
TOC by: calc.

PBTD: 3574 ft
TD: 3604 ft

OH ID: 4 3/4 in behind 4" liner

LEASE NAME

Cooper Jal Unit

WELL NC

120 W

(Formerly No. 236)

STATUS:

Active

Water Injector

API#

30-025-09631

LOCATION:

660 FNL & 1980 FWL, Sec 24, T - 24S, R - 36E; Lee County, New Mexico

SPUD DATE:

TD

3604

KB

3,326'

DF

INT. COMP. DATE:

11/11/51

PBTD

3574

GL

3,315'

GEOLOGICAL DATA

ELECTRIC LOGS:

GR-N from surface - 3195' (11-6-51 Lane Wells)
GR-CCL (5-20-94 Halliburton)
GR-N from 2000 - 3573' (9-1-71 Dresser Atlas)
GR-N from 2900 - 3600' (12-12-54 PGAC)

CORES, DST'S or MUD LOGS:

Core analysis from 3444 - 3512' (12-15-54)

HYDROCARBON BEARING ZONE DEPTH TOPS:

CASING PROFILE

SURF. 8 5/8" - 29.75#, J-55 set@ 315' Cmt'd w/150 sxs - circ cmt to surf.

PROD. 5 1/2" - 15# (0-1600') & 17# (1600 - 3000'), J-55 set@ 3000' Cmt'd w/650 sxs - TOC @ 70' from surf.

LINER 4" - 9.5#, J-55 FJ csg. set from 2854 - 3604' Cmt w/45 sxs - Circ cmt out TOL.

CURRENT PERFORATION DATA

CSG. PERFS:

OPEN HOLE:

3011 - 3270' w/1 spf (81 holes).
3156 - 76' w/2 spf (40 holes)
3408 - 92' w/1 spf (37 holes)
3500 - 12' w/4 spf (68 holes)

3000 - 3604'

TUBING DETAIL

8/11/2004

ROD DETAIL

Length (ft)

Detail

11 KB
2945 95 lbs - 2 3/8" 4.7#, IPC, J-55, 8rd EUE tbg.
3 1- 4" x 2 3/8" Baker Model AD-1 packer
2959 btm

WELL HISTORY SUMMARY

11-Nov-51 Initial completion interval: 3000 - 3195' (Yates OH). Frac'd w/1,500 gals kerosene, 500#s Napalm, 800#s Ottawa sand & 70 bbls oil. IP = 207 bopd, 0 bwpd & 337 Mcfgpd (flowing)
19-Dec-54 Deepened to 3604'. Set 4 1/2" liner from 2854'-3604'. Perf'd (Langlie Mattix) 3500'-12' w/ 4 spf (68 holes). Frac'd w/ 6,000 gals lse oil & 6,000#s sand. IP=581.2 bopd, 0 bwpd, & 389 Mcfgpd (flowing)
7-Oct-71 Converted to Dual Injector. Perf'd (Jalmat) 3011 - 3270 w/1 spf (81 holes) & (Langlie Mattix) 3408 - 92' w/ 1 spf (37 holes). Acdz 3500-12' w/1,600 gals. Acdz 3011'-3270' w/3,860 gals. RIH w/dual pkrs and initiated injection.
14-Oct-88 Dual pkr. Equipment plugged up. Well Shut-in.
28-Apr-94 Remove injection equipment. (extensive fishing operations). C/O to 3574' - Drlg on junk. Ran GR-CCL. Perf'd 3156'-76' w/2 spf (40 -.042" dia holes). TIH w/ pkr on 2 3/8" IPC tbg. Set pkr @ 2940'. Placed on injection: 722 bwpd @TP= 800 psi.
14-Feb-02 Tag TD using SL unit (1 1/4" x 5' sinker bar). Tag fill @ 3046' (558' of fill)
9-Aug-04 POOH with 2 3/8" IPC tubing and 4" x 2 3/8" Baker Model AD-1 packer. RIH with 3 7/8" skirted bit and 6 - 3 1/8" drill collars on 2 3/8" work string. Tagged top of liner at 2,854'; bit would go inside liner. POOH and laid down 6 - 3 1/8" drill collars and 3 7/8" bit. RIH with 3 1/4" bit on 2 3/8" work string, tagged at 3070'. Cleaned out to PBTD at 3575'. Circulated iron carbonate scale. POOH laying down 2 3/8" work string and 3 1/4" bit. RIH with redressed 2 3/8" x 4" Baker Model AD-1 packer to 2945'. Hydrotest injection string to 6,000 psig. Circulated with inhibited packer fluid, set packer. Test annulus for 15 minutes to 350 psig - held. OCD Field Rep was present to witness the MIT. Before injectivity: 330 bwpd at 1000 psig. After injectivity: 300 bwpd at 480 psig.

PREPARED BY:

Larry S. Adams

D. Carrizales

UPDATED:

13-Aug-04