

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

| | |
|---|--------------|
| WELL API NO. | 30-025-09636 |
| 5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> | |
| 6. State Oil & Gas Lease No. NM 12612 | |
| 7. Lease Name or Unit Agreement Name NM 70962X | |
| 8. Well Number Cooper Jal Unit 126 w | |
| 9. OGRID Number 193003 | |
| 10. Pool name or Wildcat JALMAT: Tansill, Yates & 7-Rivers; LANGLIE MATTIX: 7-Rivers | |

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|--|--|
| 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.) | |
| 1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Injector | |
| 2. Name of Operator SDG Resources L. P. | |
| 3. Address of Operator P. O. Box 1390 Montrose, CO 81402 | |

| | |
|---|---|
| 4. Well Location Unit Letter <u>G</u> : <u>1650</u> feet from the <u>NORTH</u> line and <u>2310</u> feet from the <u>EAST</u> line Section <u>24</u> Township <u>24S</u> Range <u>36E</u> NMPM LEA County | 11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,320' KB |
|---|---|

| |
|--|
| Pit or Below-grade Tank Application <input checked="" type="checkbox"/> or Closure <input type="checkbox"/> |
| Pit type <u>DIRT</u> Depth to Groundwater <u>130</u> feet 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. ☐

OTHER: Clean out to 3,560' and acidize. ☒

SUBSEQUENT REPORT OF:

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

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 to 3,560' and acidize Jalmat/Langlie Mattix injector.

1. MIRU Pulling Unit.
2. POOH with 2 3/8" IPC tubing and 5 1/2" x 2 3/8" Baker Model AD-1 tension packer.
3. RIH with 4 3/4" bit & 6 - 3 1/2" drill collars on 2 7/8" work string.
4. Clean out well to TD at 3,560'. POOH with 2 7/8" work string and lay down.
5. RIH with 5 1/2" packer to 3,000' and set. Acidize perms 3,022'-3,234' and open hole 3,470'-3,560' with 4,000 gals. 15% acid.
6. POOH and lay down packer.
7. RIH with 5 1/2" x 2 3/8" Baker Model AD-1 Tension packer to 2,882'; circulate annulus with inhibited packer fluid.
8. Set packer and test annulus to 500 psig for 30 minutes. Pull chart for NMOCD.
9. Place well on injection at approximately 200 bwpd.
10. Maximum permitted injection pressure is 600 psig.
11. Fold Pit Liner inward, cover with 20 mil liner and cover with top soil. File Form C144 with NMOCD.

WFX - 648

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 Carjales TITLE Senior Petroleum Engineer DATE 7/28/05

Type or print name
For State Use Only

E-mail address: domingo@sdgresources.com Telephone No. 432-580-8500

APPROVED BY: Larry W. Wink TITLE OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE AUG 08 2005
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 @: 280 ft
Sxs Cmt: 125
Circ: Yes
TOC @: surf
TOC by: circ

TOC @ 680'
by calc

DV Tool @ 1260'

TOC @ 2415'
By Calc.

pkc @ 2882'

csg leak @
2941'-70'

3022 - 90'

3102 - 90'

3202 - 34'

OH Interval
3470 - 3560'

OH ID: 4 3/4 in

Production Csg.
Hole Size: 7 7/8 in
Csg. Size: 5 1/2 in
Set @: 3470 ft
Sxs Cmt: 300
Circ: No
TOC @: 680 f / surf
TOC by: calc.

PBTD: 3560 ft
TD: 3560 ft

LEASE NAME

Cooper Jal Unit

WELL NO

126 W

STATUS:

Active

Water Injector

API#

30-025-09636

LOCATION:

1650 FNL & 2310 FEL, Sec 24, T - 24S, R - 36E, Lee County, New Mexico

SPUD DATE:

TD

3560

KB

3,320'

DF

INT. COMP. DATE:

05/13/54

PBTD

3560

GL

3,311'

GEOLOGICAL DATA

ELECTRIC LOGS:

GR-N (5-11-54 Schlumberger)

GR-CCL ((2-3-87 Rotary Wireline)

Injection Profile (4-21-95 Houston, Inc.)

CORES, DST'S or MUD LOGS:

HYDROCARBON BEARING ZONE DEPTH TOPS:

CASING PROFILE

SURF. 8 5/8" - 24# J-55 set @ 280' Cmt'd w/125 sxs - circ cmt to surf.

PROD. 5 1/2" - 14# J-55 set @ 3470' Cmt'd w/200 sxs - TOC @ 2415' from surf. DV tool @ 1260' - pmp 100 sxs - TOC @ 680' f / surf by calc.

LINER None

CURRENT PERFORATION DATA

CSG. PERFS:

OPEN HOLE :

3022,28,32,41,45,52,57,59,71,75,78,84,86,90, 3102,06

3470 - 3560'

12,29,35,51,58,67,90, 3202,17,19,21,23,32, & 34 w/2 spf (60 holes total).

TUBING DETAIL

6/2/2005

ROD DETAIL

Length (ft)

Detail

9 KB

2870 92

2 3/8" 4.7#, IPC, J-55, 8rd EUE tbq.

3 1

5 1/2" x 2 3/8" Baker Model AD-1 packer

2882

blm

WELL HISTORY SUMMARY

13-May-54 Initial completion interval: 3470 - 3560' (7 RVRS/Queen OH). Frac'd w/4,000 gals oil & 6,000#s sand. IP=480 bopd, 0 bwpd & 672 Mcfgpd (flowing)

25-Jun-74 C/O fill from 3530 - 60' (30')

25-May-75 C/O to TD @ 3560'. Ac'dz'd w/4,000 gals in 3 stages.

22-Aug-75 C/O to 3560'. Ac'dz w/1,500 gals (During job, after RS blocks). Frac w/34,000 gals X-L gel, 30,000#s 20/40 sand & 10,000#s 10/20 sand (3 stages, w/RS blocks, max conc. 1.5 ppg). C/O to 3560'.

18-Feb-87 C/O LM OH 3470 - 3560' (90' of fill). Set BP @ 3394'. Perf Jalmat 3022,28,32,41,45,52,57,59,71,75,78,84,86,90, 3102,06

3102, 06, 12, 29, 35, 51, 58, 67, 90, 3202,17, 19, 21, 23, 32, & 34 w/2 spf (60 holes total). Ac'dz'd Jalmat (3022-3234')

w/4,000 gals. Frac'd w/ 33,600 gals X-L gel & 50,000#s 12/20 sand (2 equal stages w/ball sealers, max conc. 5 ppg). Rls BP & C/O to 3560'.

11-Jan-89 Tag fill @ 3529'. Did not C/O.

3-Nov-93 C/O from 3488 - 3560'. Set pkc @ 3394' & ac'dz OH w/4,200 gals 20% NEFE HCL mixed with 220 gals unichem TW425 mutual

solvent. AIR=4 bpm. ISIP=vac. RIH w. pkc on CL tbq. Set pkc @ 2923'. Tst pkc OK. Notified NMOCCD. Shut-in well.

19-Dec-93 WELL CONVERTED TO INJECTION - injecting into zones (3022 - 3234' & 3470 - 3560') at 316 bwpm, ISIP=vac.

17-Sep-97 POOH w/pkc & tbq. Found hole in 3rd jt from surface. Repaired leaking tbq head spacer spool. Ran Sonic Hammer tool with 5,000 gals 15% NEFE HCL & mutual solvent. Ran Baker AD-1 pkc on 93 jts of 2 3/8" CL tbq. Set pkc @ 2905'. Tst pkc OK.

Initiated injection @ 265 bwpm.

02-Jun-05 POOH w/ pkc & tbq. Could not hydrotest cement lined tubing. RIH with new 2 3/8" IPC tubing and packer to 2,913'. Circulated with 70 bbls of packer fluid. Set packer. MIT annulus to 500 psig for 30 minutes did not test. Set packer at 2,882'. MIT passed. Pulled pressure chart for OCD.

PREPARED BY:

Larry S. Adams

Domingo Carrizales

UPDATED:

13-Jun-05