

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.	30-025-11162
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> <u>UFED</u>	
6. State Oil & Gas Lease No. NM 12612	
7. Lease Name or Unit Agreement Name NM 70926X	
8. Well Number Cooper Jal Unit 220 w	
9. OGRID Number 193003	
10. Pool name or Wildcat JALMAT: Tansill, Yates & 7-Rivers; LANGLIE MATTX: 7-Rivers, Queen & Grayburg	

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type DIRT Depth to Groundwater 130 feet Distance from nearest fresh water well >1000 feet Distance from nearest surface water >1000 feet

Pit Liner Thickness: 12 mil Below-Grade Tank: Volume 200 bbls; Construction Material Synthetic

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 ☐ Gas Well ☐ Other ☒ 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 M: 660 feet from the SOUTH line and 628 feet from the WEST line
Section 19 Township 24S Range 37E NMPM LEA County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3,294' KB

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: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: Repaired Tubing Leak. ☒

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: Repaired tubing leak.

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. Found hole to top tubing joint. Hydrotest tubing in hole to 4000#.
4. RIH with 5 1/2" x 2 3/8" Baker Model AD-1 Tension packer to 2,954'; circulate annulus with inhibited packer fluid.
5. Set packer and test annulus to 280 psig for 30 minutes. Pull chart for NMOCD. 10/20/05
6. Place well on injection at approximately 300 bwpd.
7. Maximum permitted injection pressure is 600 psig.
8. Disposed of pit fluid. Fold Pit Liner inward, cover with 20 mil liner and cover with top soil. File Form C144 with NMOCD.

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 10/27/05

Type or print name
For State Use Only

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

APPROVED BY: Glenn W. Wink TITLE OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE NOV 01 2005

Conditions of Approval (if any):

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

Surface Csg

Hole Size: 11 in
Csg. Size: 8 5/8 in
Set @: 291 ft
Sxs Cmt: 175
Circ: Yes
TOC @: surf
TOC by: circ

Csg Lk at
697'-729'
Cmt Sqz'd

TOC @ 1450'
By T. S.

pkc @ 2954'

2986 - 3050'

3060 - 3158'

3160 - 3320'

Production Csg.

Hole Size: 7 7/8 in
Csg. Size: 5 1/2 in
Set @: 3350 ft
Sxs Cmt: 1000
Circ: No
TOC @: 1450 f / surf.
TOC by: TS

PBTD: 3600 ft
TD: 3600 ft

OH ID: 4 3/4 in

OH Interval
3350 - 3600'

LEASE NAME

Cooper Jal Unit

WELL NO.

220 W

STATUS:

Active

Water injector

API#

30-025-11162

LOCATION:

660 FSL & 628 FWL, Sec 19, T - 24S, R - 37E; Lee County, New Mexico

SPUD DATE:

TD

3600

KB

3,294'

DF

INT. COMP. DATE:

03/22/50

PBTD

3600

GL

3,284'

ELECTRIC LOGS:

GR - Resistivity (3-17-50 Schlumberger)
Ejecto Log Tracer (11-8-76 Cardinal Surveys Co.)
GR-N (10-17-87 Wedge CRC Inc.)
GR-MSFL-DLL from 3600 - 3350' (1-28-94 Halliburton)

GEOLOGICAL DATA

CORES, DST'S or MUD LOGS:

GR-DSN-SDL from 3600 - 2600' (1-28-94 Halliburton)
GR-BHC Sonic log from 3600 - 3350' (1-28-94 Halliburton)
Injection Profile (4-24-95 Houston Inc.)

HYDROCARBON BEARING ZONE DEPTH TOPS:

Yates @ 2979'

Seven Rivers @ 3210'

CASING PROFILE

SURF. 8 5/8" - 22.70#, J-55 set @ 291' Cmt'd w/175 sxs - circ cmt to surf.
PROD. 5 1/2" - 15.5#, J-55 set @ 3350' Cmt'd w/1000 sxs - TOC @ 1450' from surface by Temperature Survey.
LINER None

CURRENT PERFORATION DATA

CSG. PERFS:
2986 - 3050' w/ 1 spf (26 holes)
3060 - 3158' w/ 4 spf (392 holes)
3160 - 3320' w/ 1 spf (30 holes)

OPEN HOLE :
3350 - 3600'

TUBING DETAIL

10/20/2005

ROD DETAIL

Length (ft)

Detail

10 KB

2941 91 jts - 2 3/8" 4.7#, C.P.L., J-55, 8rd EUE tbg.

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

2954 btm

WELL HISTORY SUMMARY

22-Mar-50 Initial completion (Yates) perf'd 3060 - 3158'. Acct'd w/ 1,000 gals. IP=84 bopd, 0 bwppd, & 63.7 Mcf/gpd.
2-Jul-71 CONVERTED TO INJECTOR.
8-Nov-76 Ran injection survey. Tagged fill @ 3136'. No fluid flow below 3065'.
25-Oct-87 Cmt sqz'd csg leak from 697'-729'. Perf'd intervals 2986 - 3050' & 3160 - 3320' (56 holes total). Acct'd perfs w/ 7,000 gals in 4 stages. Installed new injection tbg & pkr. Placed well on injection.
13-Jan-94 C/O scale from 3320 - 3347' (127'). Deepened well w/ 4 3/4" bit to 3600' (TD). Ran GR-MSFL-DLL from 3600 - 3350'. Ran GR-DSN-SDL from 3600 - 2600'. Ran GR-BHC Sonic log from 3600 - 3350'. Set pkr @ 2936' & acct'd all perfs & OH w/ 8,400 gals 20% NEFE HCL & 0.2% Clayrol in 3 stages diverted with 3,500#s rock salt (total). AIR=5.4 bpm. ISIP=655 psi. P15 min= 479 psi. Installed injection equipment. Initiated injection @ 519 bwppd, TP= 590 psi.
14-Feb-02 Tag TD using SL unit (1 1/4" x 5' sinker bar). Tag fill @ 3449' (151' of fill).
22-May-02 RIH w/ coil tbg. wash down. Tag @ 3585' and clean to 3586'. Sand wash Pass up to packer @ 2955' & down 2955' to 3586'. Fill to 3590', check depth POH w/ coil & found pinhole in coil @ 360' from perfclean tool. Cut & redo tool. RIH and wash to 3600'. SI annulus + pump acid pass. Pmp. rate- 9 BPM PSI- 3585# Csg.- 63# Pump 60 bbls 15% NEFE + flush to TD w/ 23 BBLs. POH w/ coil tbg. ISIP- 660# put on Inj. 350 BPD rate @ 300#.
19-Oct-05 Found hole on top cement lined tubing joint. POOH w/ CL tubing & AD-1 packer. Hydrotest tubing in hole to 4,000#. Circulated packer fluid, set packer at 2,954'. Pressure test annulus to 280# - held. Pull pressure chart for OCD. Placed well on injection: 300 BWPPD at 400#.

PREPARED BY:

Larry S. Adams

D. Carrizales

UPDATED:

27-Oct-05

