

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.	30-025-25682
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 151	
9. OGRID Number 193003	
10. Pool name or Wildcat JALMAT: Tan, Y, 7-R; Langlie Mattix: 7-R, Q, GB	

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 type="checkbox"/> Injector <input checked="" type="checkbox"/>	
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>A</u> <u>990</u> feet from the <u>S</u> <u>NORTH</u> line and <u>170</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.) 3,304' GL	
Pit or Below-grade Tank Application <input 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:		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: Perform Step-Rate Test. <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: Perform Step-Rate Test.

1. Shut well in 24 hours prior to test.
 2. R.U. Arc Pressure Data, Inc.
 3. RIH with pressure bomb and locate at mid-perfs.
 4. Start injection at 100 bwpd for 1 hour.
 5. Ramp rates up at 100 – 200 bwpd increments per hour.
- Note: Obtain at least 3 points before parting pressure and 3 – 4 points after parting pressure.
Note: Maximum rate should be 1000 bwpd.
6. POOH with pressure bomb. R. D. Arc Pressure Data, Inc.
 7. Place well on injection at 120 bwpd.



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 NMOC guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Domingo Caruata TITLE Senior Petroleum Engineer DATE 11/10/05

Type or print name E-mail address: Domingo@sdgresources.com Telephone No. 432-580-8500

For State Use Only

APPROVED BY: Gay W. Wink FIELD REPRESENTATIVE II/STAFF MANAGER NOV 14 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 @: 373 ft
Sxs Cmt: 275
Circ: Yes
TOC @: surf
TOC by: circ

Production Csg.

Hole Size: 7 7/8 in
Csg. Size: 5 1/2 in
Set @: 3656 ft
Sxs Cmt: 740
Circ: Yes
TOC @: surface
TOC by: circ

PBTD: 3662 ft
TD: 3662 ft

OH ID: in

LEASE NAME

Cooper Jal Unit

WELL NO. 151
API# 30-025-25682

STATUS: Active Water injector
LOCATION: 771 FNL & 170 FEL, Sec 24, T - 24S, R - 36E, Lee County, New Mexico
SPUD DATE: TD 3662 KB 3,316' DF
INT. COMP. DATE: 11/18/77 PBTD 3662 GL 3,304'

GEOLOGICAL DATA

ELECTRIC LOGS:
GR-CCL (1-26-93 Halliburton) Dul Laterolog (10-22-77 Dresser Atlas)
GR-CCL (10-27-77 Welex) GR-CDN (10-22-77 Dresser Atlas)
Gammatrol (11-1-77 Cardinal Surveys)

CORES, DST'S or MUD LOGS:

HYDROCARBON BEARING ZONE DEPTH TOPS:

CASING PROFILE

SURF. 8 5/8" - 24# K-55 set@ 373' Cmt'd w/275 sxs - circ cmt to surf.
PROD. 5 1/2" - 15.5# J-55 set@ 3656' Cmt'd w/525 sxs - TOC @ 1300' from surf. DV tool @1300' - pmp 215 sxs - cmt cir to surface.
LINER None

CURRENT PERFORATION DATA

CSG. PERFS: 3296 - 3530' w/ 1 spf (42 holes total), 3572 - 76' w/ 1 spf (5 holes),
& 3604 - 08' w/ 1 spf (5 holes), 3460 - 80' w/8 spf (160 - 0.46" holes total)
OPEN HOLE :

TUBING DETAIL 5/25/1993

ROD DETAIL

Length (ft) Detail
10.00 KB
3240.00 2 3/8" 4.7#, IPC, J-55, 8rd EUE tbg.
2.87 1- 5 1/2" x 2 7/8" Baker Model AD-1 packer
3252.87 btm

WELL HISTORY SUMMARY

18-Nov-77 Initial completion interval: 3296 - 3608' (QUEEN). Perf'd 3296 - 3530' w/ 1 spf (42 holes total), 3572 - 76' w/ 1 spf (5 holes), & 3604 - 08' w/ 1 spf (5 holes). Frac'd all perfs w/ 60,000 gals carrying 44,000#s 20/40 sand and 40,000#s 10/20 sand in 2 equal stages w/ball sealer blocks. (max sand concentration was 2 ppg). IP: 66 bopd, 116 bwpd, & 56.8 Mcfgpd (pumping)
18-Oct-79 Acidz'd perfs w/1,500 gal containing 2 drums of scale inhibitor.
10-Nov-87 Tagged fill @ 3608'. No C/O. Acidz'd all perfs using 2,000 gals acid.
30-Jan-93 Tagged fill @ 3603'. Did not C/O. Perf'd 3460'-80' w/8 spf (160 - 0.46" holes total). Frac w/35,650 gals carrying 78,000#s 12/20 Brady sand. (Screened out w/ 9 ppg on formation).
23-Aug-93 CONVERT TO INJECTOR: L/D production equipment. RIH w/pkr on 2 3/8" IPC tbg. Set pkr @ 3241'. Initiated injection at 480 bwpd, TP=500 psi.

Pkr @ 3240'

Jalmat

3296'-3300'

3356'-60'

3370'-74'

Langille Mattix

3436'-43'

3460'-80'

3498'-3506'

3519'-23'

3526'-30'

3572'-76'

3604'-08'

PREPARED BY:

Larry S. Adams

D. Carrizales

UPDATED:

20-May-04