

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.	30-025-09630
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 203	
9. OGRID Number 193003	
10. Pool name or Wildcat JALMAT: Tansill, Yates & 7-Rivers	

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>E</u> /990 feet from the <u>NORTH</u> line and <u>760</u> feet from the <u>WEST</u> line Section <u>24</u> Township <u>24S</u> Range <u>37E</u> NMPM LEA County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,345' 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:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
OTHER: Perform Step-Rate Test. ☒

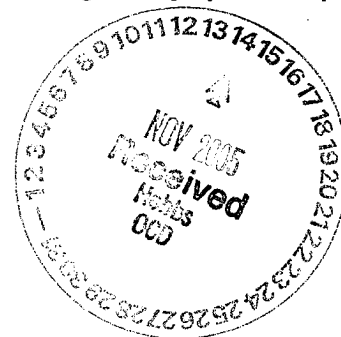
SUBSEQUENT REPORT OF:

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

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

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 OG FIELD REPRESENTATIVE II/STAFF MANAGER DATE NOV 14 2005

Conditions of Approval (if any)

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

LEASE NAME

Cooper Jal Unit

WELL NO.

203 W

STATUS: Active

Water Injector

API#

30-025-09630

LOCATION: 1980 FNL & 760 FWL, Sec 24, T - 24S, R - 36E, Lee County, New Mexico

SPUD DATE: 10/05/51 TD 3195

KB 3,345'

DF

INT. COMP. DATE: 10/21/51 PBDT 3195

GL 3,334'

GEOLOGICAL DATA

ELECTRIC LOGS:

CORES, DST'S or MUD LOGS:

GR-N (10-1-51 Lane Wells)

HYDROCARBON BEARING ZONE DEPTH TOPS:

Yates @ 3030'

CASING PROFILE

SURF. 8 5/8" - 29.75#, J-55 set @ 309' Cmt'd w/150 sxs - circ cmt to surf.

PROD. 5 1/2" - 14# J-55 set @ 3031'. Cmt'd w/850 sxs - cmt circ to surface

LINER None

CURRENT PERFORATION DATA

CSG. PERFS:

OPEN HOLE:

3031 - 3195'

TUBING DETAIL 12/3/2004

ROD DETAIL

Length (ft)

Detail

0.00 KB

2986.00 94 jts - 2 3/8" 4.7#, CL, J-55, 8rd EUE tbg.

3.00 1- 5 1/2" x 2 3/8" Baker Model "A-1" packer

2989.00 btm

WELL HISTORY SUMMARY

4-Oct-51 Initial completion 3031 - 3195' (Yates OH). Hydrafrac OH w/1,5000 gals kerosene, 500#s Nuogel Napalm, & 400#s Ottawa sand.

IP=254.6 bopd & 0 bwpd (flowing). API gravity=37.5

28-Jul-90 C/O fill from 3058 - 3190' (42'). Ran pkr on 2 3/8" tbg. Set pkr @ 2949'. Initiated injection @ 395 bwpd, TP=650 psi.

10-Apr-91 Ran new pkr & 2 3/8" CL tbg. Set pkr @ 2991'. Tst csg to 300 psi. Good tst. Placed well on injection.

14-Feb-02 Tag TD using SL unit (1 1/4" x 5' sinker bar). Tag fill @ 3036' (154' of fill). Sinker bar stuck @ 3036' & left in hole. TOF @ 3031'

18-Nov-04 POOH with 2 3/8" cement lined tubing and 5 1/2" AD-1 packer. RIH with 1 1/4" fishing tool on 2 7/8" work string 6 - 3 1/2" drill collars.

Tagged at 3,031', did not recover sinker bar. Cleaned out with 4 3/4" bit to 3,192', forced sinker bar to bottom at 3,192'. PUH to

3,000', tagged bridges at diff depth to 3,192'. Recovered sinker bar but left 1 cone off 4 3/4" bit in hole. Washed open hole with 2%

KCl water using 1 1/4" Perf-Clean Tool, could not go below 3,089'. Washed open hole (3,031'-3,195') with 2% water using 1 1/4"

Perf-Clean Tool in 3 stages. TP=3200# CP=50#. Acidized open hole in 4 passes with 15% NEFE acid. Hole begin collapsing -

tagged at 3,100' to 3,088'. TP= 2656 psig. CP= 940 psig. RIH with 4 3/4" bit, cleaned out to 3,194'. Hydrotest 2 3/8" IPC tubing in

hole to 5,000#. Spotted AD-1 packer at 2,989'. Circulated annulus with packer fluid. Set packer and test annulus to 420# for over

30 minutes - held. Pulled chart for NMOCD. Prior rate & press: 127 bwpd at 900 psi. After rate & press: 166 bwpd

at 80 psig.

Surface Csg

Hole Size: 11 in

Csg. Size: 8 5/8 in

Set @: 309 ft

Sxs Cmt: 150

Circ: Yes

TOC @: surf

TOC by: circ

Production Csg.

Hole Size: 7 7/8 in

Csg. Size: 5 1/2 in

Set @: 3031 ft

Sxs Cmt: 850

Circ: Yes

TOC @: surface

TOC by: circ

prk @ 2991'

Open Hole
3031 - 3195'

PBDT: 3195 ft

TD: 3195 ft

4 3/4" bit cone

OH ID: 4 3/4 in

PREPARED BY:

Larry S. Adams

Domingo Carrizales

UPDATED:

09-Dec-04