

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 w	
9. OGRID Number 193003	
10. Pool name or Wildcat JALMAT: Tansill, Yates & 7-Rivers;	

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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"/> <b>Injector</b>	
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> : <u>1980</u> 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>36E</u> NMPM LEA County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,345' KB	
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>&gt;1000</u> feet Distance from nearest surface water <u>&gt;1000</u> feet	
Pit Liner Thickness: <u>12</u> mil Below-Grade Tank: Volume <u>200</u> bbls; Construction Material <u>Synthetic</u>	

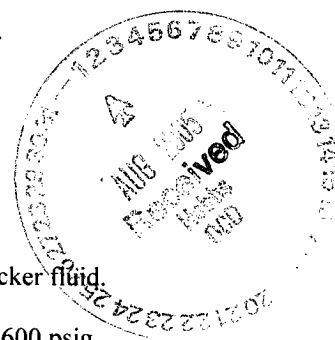
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

<b>NOTICE OF INTENTION TO:</b> PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL. <input type="checkbox"/> OTHER: Clean out to 3,195' and acidize. <input checked="" type="checkbox"/> <i>Pit Permit.</i>	<b>SUBSEQUENT REPORT OF:</b> REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/>
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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 Jalmat injector w/bit to 3,195' and Acidize with 4,000 gallons 15% NEFE HCl acid.

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 3/2" drill collars on 2 7/8" work string.
4. Clean out well to TD at 3,195'. POOH and lay down bit & drill collars.
5. Acidize open hole 3,001'-3,195' with 4,000 gallons 15% NEFE HCl acid.
6. POOH with 2 7/8" work string and laid down treating packer.
7. RIH with 5 1/2" x 2 3/8" Baker Model AD-1 Tension packer to 2,991'; circulate annulus with inhibited packer fluid.
8. Set packer and test annulus to 420 psig for 30 minutes. Pull chart for NMOCD.
9. Placed well on injection at approximately 166 bwpd at 80 psig. Maximum permitted injection pressure is 600 psig.
10. Fold Pit Liner inward, cover with 20 mil liner and cover with top soil. File Form C144 with NMOCD.



R-4020

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 Angeles TITLE Senior Petroleum Engineer DATE 7/28/05

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

For State Use Only

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

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

PBTD

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=850 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. Tsggred 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 3088'. 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  
  
PBTD: 3195 ft  
TD: 3195 ft

pkf @ 2991'

Open Hole  
3031 - 3195'

▼ 4 3/4" bit cone  
OH ID: 4 3/4 in

PREPARED BY:

Larry S. Adams

Domingo Camzales

UPDATED:

09-Dec-04