

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.	30-025-09624
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.	141560
7. Lease Name or Unit Agreement Name	Cooper Jal Unit
8. Well Number	218 w
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 checked="" type="checkbox"/> Injector
2. Name of Operator SDG Resources L. P.
3. Address of Operator P. O. Box 1390 Montrose, CO 81401
4. Well Location Unit Letter <u>O</u> : <u>330</u> feet from the <u>SOUTH</u> line and <u>1650</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.) 3,325' KB

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type DIRT Depth to Groundwater 130' Distance from nearest fresh water well >1000 feet Distance from nearest surface water >1000 feet
Pit Liner Thickness: 200 mil Below-Grade Tank: Volume 200 bbls; Construction Material Synthetic

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 injector with bit and Acidize. ☒

SUBSEQUENT REPORT OF:

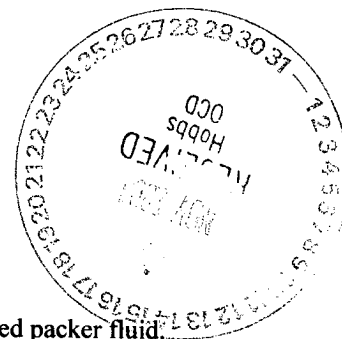
REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

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 Jalmat injector w/bit and Acidize with 3,000 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 1/2" drill collars on 2 7/8" work string.
4. Fish 1 1/4" x 5' sinker bar and clean out well to TD at 3,250'.
5. Wash open hole 2,991'-3,250' with surfactant 2% KCl water using Perf-Clean Tool.
6. Acidize open hole 2,991'-3,250' with 3,000 gallons 15% NEFE HCl acid.
7. POOH with 2 7/8" work string and lay down Perf-Clean Tool.
8. RIH with 5 1/2" x 2 3/8" Baker Model AD-1 Tension packer to 2,947'; circulate annulus with inhibited packer fluid.
9. Set packer and test annulus to 500 psig for 30 minutes. Pull chart for NMOCD.
10. Place well on injection at approximately 260 bwpd.
11. Maximum permitted injection pressure is 600 psig.



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 11/12/04

Type or print name
For State Use Only

APPROVED BY: Harry W. Wink
Conditions of Approval (if any):

E-mail address: Domingo@sdgresources.com Telephone No. 432-550-7580

OC FIELD REPRESENTATIVE II/STAFF MANAGER
DATE NOV 22 2004

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

Surface Csg
Hole Size: 11 in
Csg. Size: 8 5/8 in
Set @: 247 ft
Sxs Cmt: 125
Circ: Yes
TOC @: surf
TOC by: circ

Production Csg.
Hole Size: 7 7/8 in
Csg. Size: 5 1/2 in
Set @: 2991 ft
Sxs Cmt: 350
Circ: No
TOC @: 1145 f/ surf.
TOC by: calc.

PBTD: 3250 ft
TD: 3250 ft

OH ID: 4 3/4 in

TOC @ 1145'
By Calc.

pkc @ 2947'

Fill @ 3059'

OH Interval
2991 - 3250'

LEASE NAME **Cooper Jal Unit** WELL NO. **218 W**

STATUS: Active Water Injector API# 30-025-09624

LOCATION: 330 FSL & 1650 FEL, Sec 24, T - 24S, R - 36E, Lee County, New Mexico

SPUD DATE: 08/01/49 TD 3250 KB 3,325' DF

INT. COMP. DATE: 10/25/49 PBTD 3250 GL 3,315'

GEOLOGICAL DATA

ELECTRIC LOGS:

CORES, DSTS, or MUD LOGS:

Ejectolog Tracer (MicroCaliper) (11-11-76 Cardinal Surveys Co.)

HYDROCARBON BEARING ZONE DEPTH TOPS:

Yates @ 3095'

CASING PROFILE

SURF. 8 5/8" - 28#, J-55 set @ 247' Cmt'd w/125 sxs - circ cmt to surf.

PROD. 5 1/2" - 15.5#, J-55 set @ 2991' Cmt'd w/350 sxs - TOC @ 1145' from surface by calculation.

LINER None

CURRENT PERFORATION DATA

CSG. PERFS: OPEN HOLE : 2991 - 3250'

TUBING DETAIL 12/10/1997

ROD DETAIL

Length (ft) Detail
7.00 KB (as used in 12/97 workover)
2937.00 96 jts - 2 3/8" 4.7#, IPC, J-55, 8rd EUE tbg.
3.05 1- 5 1/2" x 2 3/8" Baker PC, AD-1 packer
2947.05 btm

WELL HISTORY SUMMARY

25-Oct-49 Initial completion 2991 - 3250' (Yates OH): No stimulation. IP=54 bopd, 0 bwpr, & 82 Mcfgpd. (flowing)
12-Jun-53 C/O fill to 3241'. Hydra-Frac OH w/1,500 gals
08-Jul-65 C/O fill from 3005 - 3248' (243'). Had salt bridge from 3005 - 3244'.
29-Apr-71 CONVERTED TO INJECTOR: C/O fill from 3221 - 3238' (17')
11-Nov-76 Ran injection profile. Tagged fill @ 3084' (166'). No C/O.
01-Dec-76 C/O fill 3084 - 3250' (66'). Jetwashed OH. Encountered tight spot in OH @ 3120'
15-Jan-86 Replaced cmt lined tubing & pkr.
14-May-88 Acid'd OH w/1,000 gals 15% NEFE HCL in 2 equal stages using 300#s rock salt down IPC tbg.
02-Dec-97 C/O fill (paraffin, formation & formation sand) from 3083 - 3250' (167'). Acid'd OH using the sonic hammer tool w/5,000 gals
15% NEFE HCL. AIR=1 bpm @ 750 psi. Ran pkr on 2 3/8" tbg. Set pkr @ 2947'. Initiated injection.
09-Jul-98 Performed csg/pkr tst per NMOCD guidelines @ 500 psi for 30 min. Test OK.
14-Feb-02 Tag TD using SL unit (1 1/4" x 5' sinker bar). Tag fill @ 3059' (191' of fill).



PREPARED BY: Larry S. Adams

UPDATED: 30-Apr-02