

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.	30-025-09634
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	216 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>M</u> : <u>660</u> feet from the <u>SOUTH</u> line and <u>660</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.) 3,325' GR

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> Distance from nearest fresh water well <u>>1000</u> feet Distance from nearest surface water <u>>1000</u> feet
Pit Liner Thickness: <u>13</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 ☐

SUBSEQUENT REPORT OF:

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

OTHER: Clean out injector with bit and Acidize. ☒

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 3,035'-3,210' with surfactant 2% KCl water using Perf-Clean Tool.
6. Acidize open hole 3,035'-3,210' 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 2,995'; 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 Carayles TITLE Senior Petroleum Engineer DATE 11/12/04

Type or print name
For State Use Only

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

APPROVED BY: Harry W. Wink TITLE FIELD REPRESENTATIVE II/STAFF MANAGER

Conditions of Approval (if any):

DATE NOV 22 2004

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

Surface Csg
Hole Size: 11 in
Csg. Size: 8 5/8 in
Set @: 269 ft
Sxs Cmt: 150
Circ: Yes
TOC @: surf
TOC by: circ

Sqz'd csg leak
277 - 310'

Production Csg.
Hole Size: 7 5/8 in
Csg. Size: 5 1/2 in
Set @: 3035 ft
Sxs Cmt: 900
Circ: Yes
TOC @: surface
TOC by: circ.

OH Interval
3035 - 3210'

PBTD: 3210 ft
TD: 3210 ft

OH ID: 4 3/4 in

LEASE NAME

Cooper Jal Unit

WELL NO. **216 WIW**

STATUS: Active

Water Injector

API# 30-025-09634

LOCATION: 660' FSL & 660' FWL, Sec 24, T - 24S, R - 36E, Lea County, New Mexico

SPUD DATE:

TD

3210

KB

3,336'

DF

INT. COMP. DATE:

06/07/51

PBTD

3210

GL

3,324'

ELECTRIC LOGS:

GR-N (6-4-51 Lane Wells)
Caliper (5-26-51 Halliburton)

GEOLOGICAL DATA

CORES, DST'S or MUD LOGS:

HYDROCARBON BEARING ZONE DEPTH TOPS:

Yates @ 3035'

CASING PROFILE

SURF. 8 5/8" - 29#, 10V & 32#, 8V, J-55 set @ 269' Cmt'd w/150 sxs - circ cmt to surf.

PROD. 5 1/2" - 17#, J-55 set @ 3035' Cmt'd w/900 sxs - circulated cmt to surface.

LINER None

CURRENT PERFORATION DATA

CSG. PERFS:

OPEN HOLE :

3035 - 3210'

TUBING DETAIL

11/12/2003

ROD DETAIL

Length (ft)

Detail

0.00 KB

2991.48 96 jts - 2 3/8" 4.7#, IPC, J-55, 8rd EUE tbq.

3.25 1 - 5 1/2" x 2 3/8" Baker AD-1 packer

2994.73 btm

WELL HISTORY SUMMARY

7-Jun-51 Initial completion 3035 - 3210' (Yates OH): Hydra-Frac w/1,500 gals Kerosene, 400#s NAPALM Soap & 800#s Ottawa sand. IP=165 bopd, 0 bwpd, & 169 Mcfgpd. (flowing)

8-Dec-52 Refrac OH (3035 - 3210') using 12,000 gals lse oil & 12,000#s sand.

8-Aug-57 Refrac OH (3035 - 3210') using 20,000 gals lse oil carrying 40,000#s sand using 6,800#s mothballs for diversion. AIR=15.8 bpm (3 - 600# blocks)

28-Jun-71 CONVERTED TO INJECTOR: C/O stuck tubing. C/O fill to 3210'.

9-Nov-79 Tag fill w/1" sinker bar @ 3055' (155').

30-Jan-85 Isolated 5 1/2" csg leak from 277 - 310'. Sqz cmt csg leak with 400 sxs. C/O to 3210'.

6-Apr-88 Replaced tbq w/new fluoro-lined yellow band tbq. Tst csg to 340 psi. OK.

14-Feb-02 Tag TD using SL unit (1 1/4" x 5' sinker bar). Tag fill @ 3044' (166' of fill).

23-May-02 Wash and Work down w/ 18 bbls Acid to 3150' Acidize w/ 1260 gals. 15% to 3062' unable to C/O
Flush w/ 15 bbls. Acid ISIP: 1180# Turn over to Inj.
Injecting @ 450# @ 260 BPD

6-Nov-03 Cleaned out from 3130' to 3210' - TD. RIH with Injection string - could not test 2 3/8" Fluoroline lined tubing. Replaced with and hydrotest 2 3/8" IPC tubing to 7000 psig. Located 5 1/2" Baker Model AD - 1 at 2995'. Circulated with 70 barrels of 2 % KCl with packer fluid. Set packer and and test annulus to 500 psig. Pulled chart for OCD filing.

PREPARED BY:

Larry S. Adams

D. Carrizales

UPDATED:

18-Nov-03