

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

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.)		WELL API NO. 30-025-09634
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> X Injector		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator SDG Resources L. P.		6. State Oil & Gas Lease No. 141560
3. Address of Operator P. O. Box 1390 Montrose, CO 81401		7. Lease Name or Unit Agreement Name Cooper Jal Unit
4. Well Location Unit Letter <u> </u> M <u> </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		8. Well Number 216 w
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,325' GR		9. OGRID Number 193003
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 ☐

SUBSEQUENT REPORT OF:

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

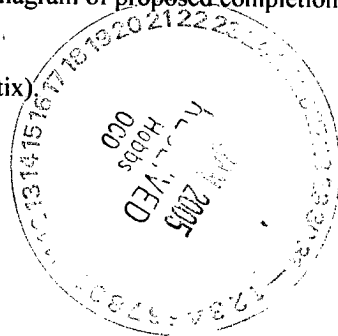
OTHER: ☐

OTHER: Deepen well to 3,780', Acidized w/4,200 gals. ☒

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: Deepen well to 3,700', washed and acidized from 3,035' to 3,780' (Jalmat & Langlie Mattix)

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. Deepened 4 3/4" hole from 3,210' to 3,780'. Laid down with drill collars and 4 3/4" bit.
5. Washed open hole 3,035'-3,780' with surfactant 2% KCl water using Perf-Clean Tool.
6. Acidized open hole 3,035'-3,780' with 4,200 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. Did not hold - casing leak. Pull chart for NMOCD.
10. Shut well in.



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 1/26/05

Type or print name
For State Use Only

E-mail address: Domingo@sdgresources.com Telephone No. 432-580-8800

APPROVED BY: Larry W. Wink TITLE OCD FIELD REPRESENTATIVE II/STAFF MANAGER DATE FEB 01 2005

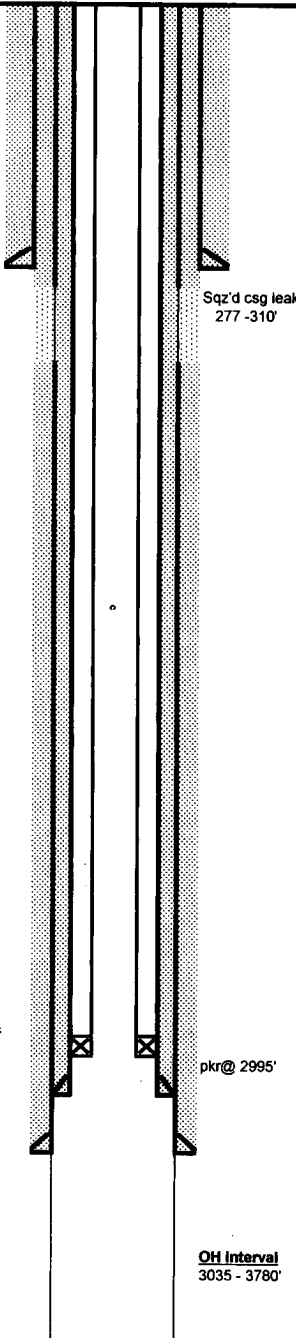
Conditions of Approval (if any):

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'

Liner

Lnr Size: 4 1/2"
Set @: 3,002'
Sxs Cmt: Jass C
Circ.: Yes

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 - 3780'

PBTD: 3780 ft
TD: 3780 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'

GEOLOGICAL DATA

ELECTRIC LOGS:

CORES, DST'S or MUD LOGS:

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

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 - 3780'

TUBING DETAIL

12/14/2004

ROD DETAIL

Length (ft)

Detail

0.00 KB

2983.00 96 jts - 2 3/8" 4.7#, ceramic coat, J-55, 8rd EUE tbq.

3.25 1- 4 1/2" x 2 3/8" Baker AD-1 packer

2986.25 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, & 159 Mcf/gpd. (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 - 800# 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 flourolined 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' (186' 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 @ 460# @ 250 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 test annulus to 500 psig. Pulled chart for OCD filing.

29-Nov-04 Rate & Press: 125 bwpd at 1000#. POOH with 2 3/8" IPC tubing and 5 1/2" AD-1 packer. RIH with 4 3/4" mill, 10 - 3 1/2" drill collars on 2 7/8" work string. Tagged at 3,190', cleaned out and drilled out to 3,214'. RIH with 4 3/4" button bit. Drilled to new TD at 3,780' using 5 drill bits. Ran compensated Neutron Ion form 3,780' to 2,900'. Washed with surfactant water and acidized with 6,000 gals 15% NEFE acid via Perf-Clean Tool. RIH with injection string, circulated annulus with inhibited packer fluid. Set packer 2,988'. Could not obtain MIT due to a casing leak. Shut in well.

11-Jan-05 Shut In. POOH with injection packer and IPC tubing. Set a CIBP at 3,015'. RIH with 4 1/2" float shoe and float collar on 74 - 4 1/2" liner to 3,002'. Cemented with 75 sacks class C star lite plus 50 sacks class C cement, circulated to surface. Drilled out cement float collar & shoe. Test liner to 1000# - held. Drilled out CIBP at 3,015', cleaned out to 3,779'. RIH with new 2 3/8" Ceramic Coat tubing and packer to 2,983'. Circulated with packer fluid. Pressure annulus to 500# - held. Pulled pressure chart for NMOCD. Placed well on injection: 491 bwpd at 460#.

PREPARED BY:

Larry S. Adams

D. Carrizales

UPDATED:

26-Jan-05

