

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.	30-025-32551
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>	
6. State Oil & Gas Lease No. LC 063965	
7. Lease Name or Unit Agreement Name Cooper Jal Unit	
8. Well Number 419	
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 checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	
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>P</u> : <u>330</u> feet from the <u>SOUTH</u> line and <u>550</u> feet from the <u>EAST</u> line Section <u>13</u> Township <u>24S</u> Range <u>36E</u> NMPM LEA County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,315' GL	
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>	
Pit type <u>        </u> Depth to Groundwater <u>        </u> feet Distance from nearest fresh water well <u>&gt;</u> feet Distance from nearest surface water <u>&gt;</u> feet	
Pit Liner Thickness: <u>        </u> mil Below-Grade Tank: Volume <u>        </u> bbls; Construction Material <u>Synthetic</u>	

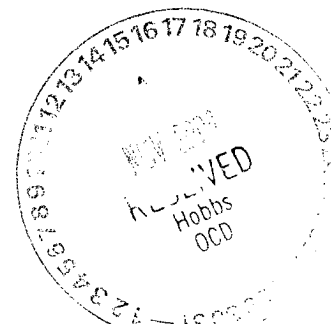
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

<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: <u>        </u>	<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: Changed out mud anchor joint. <input checked="" 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: Changed out mud anchor joint.

1. Rigged up Pulling Unit on 10/04/99.
2. Pulled rods and pump.
3. Changed out mud anchor joint.
4. RIH with pump and rods.
5. Placed well on production.
6. 10/20/99: Pump 30 oil, 15 water, 14 mcf.



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

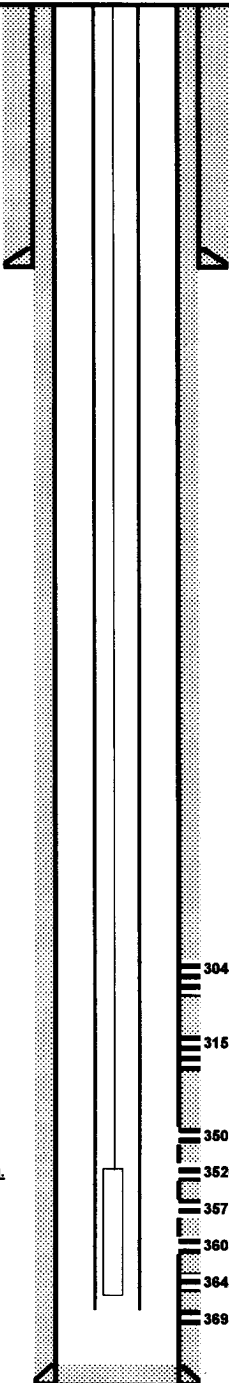
Type or print name Domingo Canales E-mail address: Domingo@sdgresources.com Telephone No. 432-550-7580  
**For State Use Only**

APPROVED BY: [Signature] TITLE PETROLEUM ENGINEER DATE FEB 16 2005  
Conditions of Approval (if any):

# WELLBORE SCHEMATIC AND HISTORY

## CURRENT COMPLETION SCHEMATIC

**Surface Csg**  
Hole Size: 12 1/4 in  
Csg. Size: 8 5/8 in  
Set @: 420 ft  
Sxs Cmt: 250  
Circ: Yes  
TOC @: surf  
TOC by: circ



**Production Csg**  
Hole Size: 7 7/8 in  
Csg. Size: 5 1/2 in  
Set @: 3750 ft  
Sxs Cmt: 930  
Circ: Yes  
TOC @: surface  
TOC by: circ

PBTD: 3707 ft  
TD: 3750 ft

## LEASE NAME

**Cooper Jal Unit**

## WELL NO.

**419**

STATUS: Active

Oil

API# 30-025-32551

LOCATION: 330 FSL & 500 FEL, Sec 13, T - 24S, R - 36E; Lee County, New Mexico

SPUD DATE: 08/31/94 TD 3750 KB 3,327' DF 3,326'

INT. COMP. DATE: 10/06/94 PBTD 3707 GL 3,315'

## GEOLOGICAL DATA

**ELECTRIC LOGS:**  
GR-DSN-SDL-CSNG (9-7-94 Halliburton)  
GR-DLL-MSFL-LSS (9-7-94 Halliburton)  
GR-CCL (7-23-96 Rotary Wireline)

**CORES, DST'S or MUD LOGS:**

**HYDROCARBON BEARING ZONE DEPTH TOPS:**

Not Listed

## CASING PROFILE

SURF. 8 5/8" - 24#, CF-50, ST&C set@ 420' Cmt'd w/250 sxs - circ cmt to surface.

PROD. 5 1/2" - 15.5#, WC-50, LT&C set@ 3750' Cmt'd w/930 sxs - circ cmt to surface.

LINER: None

## CURRENT PERFORATION DATA

CSG. PERFS:

OPEN HOLE :

3048 - 3128' w/ 4 spf (172 holes total)  
3158 - 80' w/ 4 spf (88 holes total)

3501- 08', 3520 - 30', 3572 - 75', 3605 - 12', 3642 - 45',  
& 3698 - 3703' w/ 2 spf (70 holes total).

## TUBING DETAIL

12/4/03

## ROD DETAIL

3/23/04

Length (ft)

Detail

Length (ft)

Detail

0.00 KB  
2977.00 94 jts - 2 7/8" 6.5#, J-55, 8rd EUE tbg.  
2.70 1 - 5 1/2" x 2 7/8" TAC w/12,000#  
664.00 24 jts - 2 7/8" 6.5#, J-55, 8rd EUE tbg.  
1.10 1 - 2 7/8" SN  
8.50 1 - 2 7/8" Well Screen  
29.00 1 - 3 1/2" Mud Anchor  
3682.30 btm

16 1 1/4" x 26' polish rod  
0 1 1/4" x 1 1/2" x 16' liner  
6 1 x 6' pony rod  
1125 45 - 1" rods  
1200 48 - 7/8" rods  
1025 41 - 3/4" rods  
225 9 - 1 1/2" sinker bars  
20 2 1/2" x 1 1/2" X 22' rod pump w/ RH release  
0 1 1/2" gas anchor  
3617 btm

SN@ 3644' TAC@ 2977' BTM 3682.3'

## WELL HISTORY SUMMARY

13-Sep-94 IC: Perf'd 3501- 08', 3520 - 30', 3572 - 75', 3605 - 12', 3642 - 45', & 3698 - 3703' w/ 2 spf (70 holes total).  
Frac'd w/26,000 gals XLG 2% KCL carrying 106,000#s 12/20 sand. Perf'd 3158 - 80' w/ 4 spf (88 holes total). Frac'd  
w/43,000 gals XLG carrying 220,000#s 12/20 sand. Commingled all perfs: IP=71 bopd, 120 bwpd, & 83 Mcfgpd (pumping)  
09-Jan-95 C/O frac sand from 3650 - 3700' using bailer. Returned to production.  
04-Nov-95 Change out rod pump and 12 bad rod boxes.  
22-Jul-96 Set CIBP @ 3450' & dump 10' cmt on top. PBTD=3440'. Perf'd 3048'-3128', 3158'-3180', w/ 4 spf (172 holes total).  
Acidized perfs w/3,000 gals 15% NEFE HCL dropping 240 7/8" RCN ball sealers. AIR=10 bpm @ 1695 psi. ISIP=vacuum.  
After WO: 88 bopd, 232 bwpd, & 14 Mcfgpd.  
11-Jan-97 Change out rod pump.  
05-May-97 Tagged fill @ 3357' (83'). Did not Clean out.  
18-Jun-98 Changed out 79 jts 2 7/8" tbg, 33- 3/4" rod boxes, 43-7/8" rod boxes, 40-1" rod boxes, & rod pump.  
24-Mar-99 Changed out 10 - 3/4" rods. Tagged fill @ 3312' (127').  
04-Oct-99 Changed out MA.  
02-Dec-03 Opened Langlie Mattix and downhole commingled with Jalmat zone.  
POOH with rods, pump, and tubing. RIH with 4 3/4" bit, 6 - 3 1/2" drill collars on 2 7/8" work string. Tagged fill at 3267', cleaned  
out to 3436' - recovered frac sand; drilled to 3438' - recoved hard plastic and ball sealers. Drilled cement and CIBP, cleaned  
out to 3707'. RIH with 2 7/8" tubing, pump, and rods. Placed well on production.  
24-Jan-04 POOH with one rod. Pump 75 bbis 2% KCl water w/surfactant 122. Hung well, pumped and load well w/10 bbis produced water.  
Placed on production. Well was trashed up.  
22-Mar-04 POOH w/Rods parted 126th 3/4"r od body break fished and repaired & returned pump. Put well back on Prod.

PREPARED BY:

Larry S. Adams

D. Carrizales

UPDATED:

Mar-04

