

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.	11140 30-025-25682
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input type="checkbox"/> Fed <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 116
9. OGRID Number	193003
10. Pool name or Wildcat	JALMAT: Tan, Y, 7-R; Langlie Mattix: 7-R, Q, GB

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 type="checkbox"/> Injector <input checked="" type="checkbox"/>	
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>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>18</u> Township <u>24S</u> Range <u>37E</u> NMPM LEA County
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,326' GL	
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 ☐
OTHER: Perform Step-Rate Test. ☒

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: Perform Step-Rate Test.

1. Shut well in 24 hours prior to test.
2. R.U. Arc Pressure Data, Inc.
3. RIH with pressure bomb and locate at mid-perfs.
4. Start injection at 100 bwpd for 1 hour.
5. Ramp rates up at 100 – 200 bwpd increments per hour.

Note: Obtain at least 3 points before parting pressure and 3 – 4 points after parting pressure.

Note: Maximum rate should be 1000 bwpd.

6. POOH with pressure bomb. R. D. Arc Pressure Data, Inc.
7. Place well on injection at 170 bwpd.



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 Araya TITLE Senior Petroleum Engineer DATE 11/10/05

Type or print name

E-mail address: Domingo@sdgresources.com Telephone No. 432-580-8500

For State Use Only

APPROVED BY: Gary W. Wink TITLE OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE NOV 14 2005

Conditions of Approval (if any):

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC		LEASE NAME Cooper Jal Unit		WELL NO. 116 WIW (Formerly No. 235)														
Surface Csg Hole Size: 12 1/4 in Csg. Size: 9 5/8 in Set @: 243 ft Sxs Cmt: 150 Circ: Yes TOC @: surf TOC by: circ		STATUS: Active Water Injector LOCATION: 660 FSL & 660 FWL, Sec 18, T - 24S, R - 37E; Lee County, New Mexico SPUD DATE: TD 3641 KB 3,317' DF INT. COMP. DATE: 03/09/50 PBDT 3641 GL 3,307'		API# 30-025-11141														
		GEOLOGICAL DATA ELECTRIC LOGS: GR-N from 2700 - 3631' (2-11-50 Lane Wells) GR - N - CCL from 2100 - 3630' (8-31-71 Dresser Atlas) Injection Profile Log (4-25-95 Houston Inc.) CORES, DST'S or MUD LOGS: Yates @ 2980' Seven Rivers @ 3215' Queen @ 3598' HYDROCARBON BEARING ZONE DEPTH TOPS: CASING PROFILE SURF. 9 5/8" - 40#, J-55 set@ 243' Cmt'd w/150 sxs - circ cmt to surf. PROD. 7" - 20#, J-55 set@ 3410' Cmt'd w/500 sxs - TOC @ 1201' from surf by Temp Survey LINER None CURRENT PERFORATION DATA CSG. PERFS: OPEN HOLE : 3410 - 3641' <table style="width: 100%; border: none;"> <tr> <td>2980 - 88' (9 holes)</td> <td>3114 - 20' (7 holes)</td> </tr> <tr> <td>2996 - 3002' (7 holes)</td> <td>3125 - 40' (16 holes)</td> </tr> <tr> <td>3024 - 42' (19 holes)</td> <td>3187 - 91' (5 holes)</td> </tr> <tr> <td>3052 - 58' (7 holes)</td> <td>3197 - 3208' (12 holes)</td> </tr> <tr> <td>3067 - 77' (11 holes)</td> <td>3376 - 78' (3 holes)</td> </tr> <tr> <td>3081 - 86' (7 holes)</td> <td>3384 - 88' (3 holes)</td> </tr> <tr> <td>3103 - 10' (8 holes)</td> <td>3392 - 96' (8 holes)</td> </tr> </table> TUBING DETAIL 3/8/1994 ROD DETAIL Length (ft) Detail 10.00 KB 2870.02 88 fts - 2 3/8" 4.7#, CPL, J-55, 8rd EUE tbg. 290 1- 5 1/2" x 2 3/8" Baker Model AD-1 packer 2882.92 btm WELL HISTORY SUMMARY 09-Mar-50 Initial completion interval: 3410 - 3641' (7 RVRS/Queen OH). Shot w/100 qts nitro. IP =15 bopd, 0 bwpd & 2 Mcfgpd (flowing) 10-Sep-71 C/O from 3600 - 3641' w/ 6 1/4" bit. Ran GR-N-CCL. Perf (Yates & 7 RVRS-Queen) from 2980 - 3396' w/ 1 spf (118 holes - 0 5" dia) Acdd'd perfs 3376 - 96' w/ 1,000 gals 20% HCL & 12 ballsealers, AIR=5 bpm @ 900 psi. Acdd'd perfs 2980 - 3208' w/ 4,000 gals 20% HCL & 100 ballsealers, AIR=4.4 bpm @ 1600 psi. Ran new string of 2 3/8" IPC w/ 2 Baker full open flow regulators & two packers. Converted well to dual injector. Initiated injection. 21-Aug-87 C/O OH f/ 3509 - 3641'. Acdd'd perfs 2980 - 3641 & OH 3410 - 3641 w/ 2,500 gals 15% NEFE HCL in 4 stages using 500#s RS diversion between stages. PM=1100 - 800 psi, AIR=2.0 bpm, ISIP=400 psi, P10min=vac. Ran injection string of 2 3/8" IPC w/ 2 Baker flow regulators & two packers. Refurbish surface injection line and water filter. Placed well on injection. 29-Nov-93 C/O OH f/ 3617 - 41'. Set pkr@ 3353' & acdd'd perfs 3353-96 & OH 3410- 3641' w/ 4,200 gals 20% NEFE HCL w/ 168 gals micellular solvent & 3,000#s rock salt in 4 stages. PM=847 - 315 psi, AIR=4.2 bpm, ISIP=467 psi, P5min=370 psi, P10min=300 psi, P15min=220 psi. Swab back load. RIH w/inj. Equip. Set pkr@ 2883'. Placed on injection: 624 bwpd @ 300 psi. 08-Mar-94 POOH w/ injection string and pkr LD. (Plastic coating peeling out of tbg.) PU & TIH w/ new CPL 2 3/8" tbg & pkr. Count not get pkr to test @ 2915'. PU and reset pkr @ 2884'. Placed well on injection.			2980 - 88' (9 holes)	3114 - 20' (7 holes)	2996 - 3002' (7 holes)	3125 - 40' (16 holes)	3024 - 42' (19 holes)	3187 - 91' (5 holes)	3052 - 58' (7 holes)	3197 - 3208' (12 holes)	3067 - 77' (11 holes)	3376 - 78' (3 holes)	3081 - 86' (7 holes)	3384 - 88' (3 holes)	3103 - 10' (8 holes)	3392 - 96' (8 holes)
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Production Csg. Hole Size: 8 5/8 in Csg. Size: 7 in Set @: 3410 ft Sxs Cmt: 500 Circ: No TOC @: 1201 f / surf TOC by: TS PBTD: 3641 ft TD: 3641 ft OH ID: 6 1/4 in		Jalmat 2980' 3208' 3376' 3392' Langlie Mattix OH Interval 3410 - 3641'																
		PREPARED BY: Larry S. Adams UPDATED: 09-Sep-02																