

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.	30-025-09639
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> Fee
6. State Oil & Gas Lease No.	NM 12612
7. Lease Name or Unit Agreement Name	NM 70962X
8. Well Number	Cooper Jal Unit 132
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 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>I</u> <u>2310</u> feet from the <u>SOUTH</u> line and <u>660</u> feet from the <u>EAST</u> line Section <u>24</u> Township <u>24S</u> Range <u>37E</u> NMPM LEA County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,307' 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>	

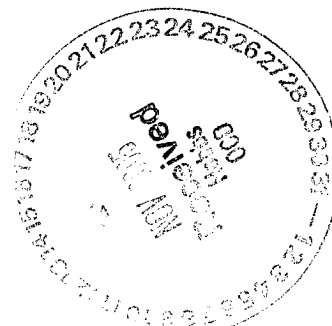
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
OTHER: Perform Step-Rate Test. <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

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 420 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 NMOCDC guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Domingo Canales TITLE Senior Petroleum Engineer DATE 11/10/05

Type or print name
For State Use Only

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

APPROVED BY: Hayden Wink TITLE REPRESENTATIVE II/STAFF MANAGER DATE NOV 14 2005

Conditions of Approval (if any):

CURRENT COMPLETION SCHEMATIC		LEASE NAME Cooper Jal Unit		WELL NO. 132	
		STATUS: Active		Water Injector	
		LOCATION: 2310 FSL & 990 FEL, Sec 24, T - 24S, R - 36E, Lee County, New Mexico			
		SPUD DATE: 04/08/54 TD 3640		KB 3,315' DF	
		INT. COMP. DATE: 05/12/54 PBTD 3265		GL 3,307'	
		ELECTRIC LOGS:		GEOLOGICAL DATA	
		GR-N from 0 - 3556' (4/25/54 Schlumberger)		CORES, DST's or MUD LOGS:	
		GR-CBL-MSG-CCL from 2,000 - 3,300' (6-7-95 Halliburton)			
		Injection Profile (1-29-97 Houston, Inc.)			
		Yates @ 3016'		HYDROCARBON BEARING ZONE DEPTH TOPS:	
		Queen @ 3474'			
		CASING PROFILE			
		SURF. 8 5/8" - 24#, J-55 set@ 283' Cmt'd w/124 sxs - circ cmt to surf.			
		PROD. 5 1/2" - 14#, J-55 set@ 3475' Cmt'd w/400 sxs - TOC @ 2420' from surf. DV tool @ 1211' - pmp 100 sxs - TOC @ 685' f/ surf by calc.			
		LINER None			
		CURRENT PERFORATION DATA			
		CSG. PERFS:		OPEN HOLE :	
		3024 - 42', 3066 - 83', 3095 - 3112'		3475 - 3640'	
		3125 - 33', & 3148 - 70' w/2 spf (164 holes total)			
		TUBING DETAIL 10/30/2003		ROD DETAIL	
		Length (ft) Detail			
		8.00 KB			
		2920.00 98 jts - 2 7/8" 6.5#, CL, J-55, 8rd EUE tbg.			
		3.00 1- 5 1/2" x 2 7/8" Baker Model AD-1 packer			
		2931.00 btm			
		WELL HISTORY SUMMARY			
		12-May-54 Initial completion interval: 3475 - 3555' (7 RVRS/Queen OH). Frac'd w/4,000 gals & 0 #s sand. Burst csg @ 280'. Cement sqz csg leak w/200 sxs (3 jobs) Test OK @ 875 psi. Frac'd w/4,000 gals & 6,000#s sand. IP = 173 bopd, 245 Mcf/d (flowing).			
		11-Apr-76 Acid'd OH w/ 1,500 gals. Tight spot in csg @ 210'			
		18-Feb-85 C/O fill from 3473 - 3555' (82' of fill). Deepened to 3640'. Acid'd OH 3475 - 3640' w/4,000 gals in 2 stages using 500#s rock salt. Frac'd w/22,000 gals X-L gel & 56,000#s 12/20 sand ramping to 6 ppg.			
		11-Mar-87 C/O fill to 3640'			
		21-Apr-87 C/O fill to 3628'			
		15-Apr-88 Tag fill @ 3628'			
		01-Dec-93 CONVERTED TO INJECTOR: C/O from 3508 - 3640'. Acid'd OH w/4,000 gals 20% NEFE combined with 110 gals UT-460 & 110 gals T-425 microbular solvent & 1400#s rock salt. AIR=3 bpm @ 900 psi. ISIP=680 psi. RIH w/ CL tbg & pkr. Set pkr @ 3370'. Noted pkr is 105' above hole in csg. Inject @ 263 bwpd w/ TP=vacuum.			
		01-Jun-95 Ran GR-CBL-CCL. Perf (Jalmat) 2950 - 3170 (selectively). Acid'd w/5,000 gals 15% NEFE HCL & 250 RCN ballsealers in 6 stages. Ran 2 3/8" CL tbg & pkr. Set pkr @ 2962'. Test pkr. OK. Inject @ 481 bwpd w/ TP=580 psi. Converted to DHC injector w/ Pmax surf injection press = 590 psi.			
		28-Jun-00 C/O hard scale from 3145 - 3370'. Set CIBP @ 3300' and dmp 35' cmt on top. (PBTD @ 3265'). Acid'd perfs 3024'-3170' w/ 4,000 gals 15% NEFEHCL & 2,000#s rock salt in 3 stages. AIR=4 bpm @ 1380 psi. ISIP=570 psi. P15 min=140 psi. Ran pkr on 2 3/8" CL tbg & set pkr @ 2955'. Injecting @ 250 bwpd, TP=160 psi.			
		14-Feb-02 Tag TD using SL unit (1 1/4" x 5' sinker bar). Tag fill @ 129' (3511' of fill)			
		14-Oct-03 Bladderhead Test failed: Bled CSG down to 0 psi. SI for 15 minutes - pressure build up to 500 psig. Witnessed by OCD Rep - Buddy Hill.			
		28-Oct-03 POOH with 2 3/8" IPC tubing and 5 1/2" x 2 3/8" AD - 1 packer. Laid down 2 3/8" IPC tubing. Clean out to 3265' . POOH and Laid down with 4 3/4" bit, 6 - 3 1/2" drill collars. RIH with redressed 5 1/2" x 2 3/8" AD-1 packer on reconditioned 90 - 2 3/8" IPC tubing to 2954'. Packer would not test. Set packer at 2925', would not test. POOH with injection string. Test casing to 500 psig - held. RIH with injection string to 2931'. Circulated annulus with 70 barrels of 2 % KCl & inhibited packer fluid. Set Packer with 20,000# tension. Test casing to 500 psig - held. Pulled pressure chart for OCD.			
		PREPARED BY: Larry S. Adams D. Carrizales			
		UPDATED: 03-Nov-03			