

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.	30-025-11140
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

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.)		7. Lease Name or Unit Agreement Name
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/> Injector <input type="checkbox"/>		NM 70962X
2. Name of Operator		8. Well Number
SDG Resources L. P.		Cooper Jal Unit 117
3. Address of Operator		9. OGRID Number
P. O. Box 1390		193003
Montrose, CO 81402		10. Pool name or Wildcat
4. Well Location		JALMAT: Tansill, Yates & 7-Rivers; LANGLIE MATTIX: 7-Rivers, Queen & Grayburg
Unit Letter <u> N </u> ; <u> 660 </u> feet from the <u> SOUTH </u> line and <u> 1980 </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.)		
3,320' KB		
Pit or Below-grade Tank Application <input checked="" 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: Drill CIBP, Deepen, Acidize and Fracture Stimulate. ☒

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: Drill CIBP, Deepen producer to 3,750' and complete as Jalmat/Langlie Mattix: acidize, and fracture stimulate.

- MIRU Pulling Unit. POOH with rods, pump and tubing string.
- RIH w/ 4 1/4" bit & 6 - 3 1/2" drill collars on 2 7/8" work string. Drill CIBP at 3,318'. Deepen well to new TD at 3,780'.
- Lay down bit & drill collars. RU Wireline Company. Run Compensated Neutron Log from TD to 2500'.
- Perf Yates (2970'-3200'), 7-Rivers (3240'-3326'), 180 degree phasing, 2 JHPF, using 4" HSC gun. RD Wireline.
- RIH with 5 1/2" packers on 2 7/8" work string.
- Acidize open hole (3,341'-3,750'); perfs: 7-Rivers (3240'-3326') & Yates (2970'-3200'), with 4,000 gallons 15% NEFE HCl acid.
- POOH with 2 7/8" work string. RIH with 5 1/2" Frac packers on 3 1/2" work string.
- Fracture stimulate open hole (3341'-3750') with 60,000 12/20 mesh sand; perfs 7-Rivers (3240'-3326') & Yates (2970'-3200') with 60,000# 12/20 mesh sand. POOH and lay down 3 1/2" work string and packer.
- Clean out well to new TD with sand bailer on 2 7/8" work string. Lay down bailer and 2 7/8" work string.
- RIH 2 7/8" production string, pump and rods. Place well on production. Turn over to operations.
- Fold Pit Liner inward, cover with 20 mil liner and cover with top soil. File Form C144 with NMOCD.

DHC-R-5590

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 Carvajal TITLE Senior Petroleum Engineer DATE 3/21/05

Type or print name

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

For State Use Only

OCD FIELD REPRESENTATIVE II/STAFF MANAGER

APPROVED BY: Harry W. Wink TITLE _____

DATE MAR 28 2005

Conditions of Approval (if any):

WELLBORE SCHEMATIC AND HISTORY			
CURRENT COMPLETION SCHEMATIC		LEASE NAME Cooper Jal Unit	
		WELL NO. 117	
		STATUS: Active Oil	
		LOCATION: 660 FSL & 1980 FWL, Sec 18, T - 24S, R - 37E; Lee County, New Mexico	
		SPUD DATE: TD 3648 KB 3,320' DF	
		INT. COMP. DATE: 11/24/48 PBTD 3268 GL 3,308'	
ELECTRIC LOGS: GR -N from 0 -3649' (11-18-48 Lane Wells) Csg Inspection Log from 335 - 1500' (1-16-74 McCullough) GR-CCL from 3255 - 2800' (4-27-92 Halliburton)		GEOLOGICAL DATA CORES, DST'S or MUD LOGS:	
HYDROCARBON BEARING ZONE DEPTH TOPS: Yates @ 2944' Seven Rivers @ 3187' Queen @ 3575'			
CASING PROFILE SURF. 8 5/8" - 24#, J-55 set@ 320' Cmt'd w/150 sxs - circ cmt to surf. PROD. 5 1/2" - 14#, J-55 set@ 3341' Cmt'd w/500 sxs - TOC @ 705' from surf by calculation LINER None			
CURRENT PERFORATION DATA CSG. PERFS: 3058 - 3078' w/8 spf (160 holes)		OPEN HOLE : 3341 - 3648'	
TUBING DETAIL 9/16/2000 Length (ft) Detail 2980.19 97 jts - 2 3/8" 4.7#, J-55, 8rd EUE tbg. 4.60 1 - 5 1/2" x 2 3/8" TAC 105.01 3 jts - 2 3/8" 4.7#, J-55, 8rd EUE tbg. 1.1 1 - 2 3/8" SN 27.60 1 - 3 1/2" MA 3118.50 btm		ROD DETAIL 06/20/02 Length (ft) Detail 15 1 - 20' x 1 1/4" polish rod w/ 1 1/2" liner 10 3 3/4" rod subs 3025 121 - 3/4" rods 1 1 - 1' x 3/4" lift rod 18 2" x 1 1/4" X 18" RHBC brass-chrome pmp 6 1" Gas Anchor 3075 btm	
WELL HISTORY SUMMARY			
24-Nov-48 Initial completion interval: 334'-3648' (7 RVR5/Queen OH). Shot w/290 qts nitro. IP =65 bopd, 0 bwpgd & 72 Mcfgpd (flowing)			
17-Jan-74 Ran csg inspection log. Found holes from 535 - 878'. Sqz'd csg leak @ 535 - 878' w/ 250 sxs cmt @ 700 psi. Dld out & tst. OK.			
6-Aug-74 C/O to 3626' (Hole continue to fill) Before WO: 1 bopd & 3 bwpgd, After WO: 4 bopd & 7 bwpgd			
24-Oct-74 C/O to 3621'. Frac'd OH w/60,000 gals gel lrt'd fresh water w/ 45,000#s 20/40 sand & 36,000#s 12/20 sand. AIR=25 bpm @ 2800 psi. ISIP=850 psi, P10min=400 psi.			
2-Jan-75 Producing 8 bopd & 67 bwpgd. Checked for fill - none.			
Note: Performed seven (7) rod or tubing jobs in 1977 @ cost of \$4,038			
Note: Performed twelve (12) rod or tubing jobs in 1978 @ cost of \$7,277			
Note: Performed eleven (11) rod or tubing jobs in 1979 @ cost = \$8,235			
21-May-92 Set CIBP @ 3318' & dump 7 sxs (50') cmt on top. Ran GR - CCL from 3255 - 2800'. Perfd w/4" csg gun w/ 120 deg phasing from 3058'-78' w/ 8 spf (160 - 0.47" dia holes). Frac'd w/70,000 gals/220,000#s 12/20 sand & 21,000#s 12/20 resin coated sand PM=4700 - 1660 psi, AIR=30 bpm. ISIP=352 psi. C/O and ran prod equip. After WO: pmp 0 bopd, 17 bwpgd & 545 MCFGPD.			
15-Mar-95 Aczd'd perfs 3058 - 78' w/ 2,000 gals 15% NEFE acid. Atmpt to swab load back. No fluid entry. Performed scale sqz using 110 gals TH793 scale inhibitor mixed w/ 15 bbls water. Flushed w/2% KCL water. RIH w/ production equipment. SWI 24 hrs. IP=0 bopd, 0 bwpgd, & 128 Mcfgpd.			
15-Sep-00 C/O using foam unit from 3140 - 3268' (PBTD). Ran sonic hammer and acdized perfs 3058 - 78' w/ 1,000 gals 15% NEFE HCL. PM=1648 - 850 psi. AIR=4.4 bpm. ISIP= vacuum. Scale sqz'd perfs w/ 165 gals TH-756 mixed w/ 55 gals 2% KCL @ 4 bpm & 1200 psi. Ran production equipment. C/O iron sulfide from surface filter. After WO: 0 bopd, 46 bwpgd, & 96 Mcfgpd. Well on compression.			
20-Jun-02 Rod part (body break) at 22 jt. Changed out pump.			
PREPARED BY:		Larry S. Adams D. Camzales	
UPDATED:		12-Jun-03	