

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.	30-025-11143
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <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 110	
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 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 81402	
4. Well Location Unit Letter <u>I</u> ; <u>1980</u> feet from the <u>SOUTH</u> line and <u>660</u> feet from the <u>EAST</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.) 3,303' GL	
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: *Pit Permit*

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"/> | LAND A <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | MULTIPLE COMPL <input type="checkbox"/> | CASING/CEMENT JOB <input type="checkbox"/> | <input type="checkbox"/> |
| OTHER: Drill CIBP, Deepen, Acidize and Fracture Stimulate. <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: Drill CIBP, Deepen producer to 3,770' and complete as Jalmat/Langlie Mattix: acidize, and fracture stimulate.

- MIRU Pulling Unit. POOH with rods, pump and tubing string.
- RIH w/ 4 3/4" bit & 6 - 3 1/2" drill collars on 2 7/8" work string. Drill CIBP at 3,400'. Deepen well from 3587' to new TD at 3,770'.
- Lay down bit & drill collars. RU Wireline Company. Run Compensated Neutron Log from TD to 2500'.
- Perf Yates (3080'-3208'), 7-Rivers (3218'-3264'), 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 (3,587'-3,770'); perfs: 7-Rivers (3,218'-3,264') & Yates (2,870'-3,208'), 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 (3,587'-3,770') with 60,000 12/20 mesh sand; perfs 7-Rivers (3,218'-3,264') & Yates (2,870'-3,208') 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.

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 7/28/05

Type or print name
For State Use Only

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

APPROVED BY: [Signature] TITLE PETROLEUM ENGINEER DATE AUG 02 2005

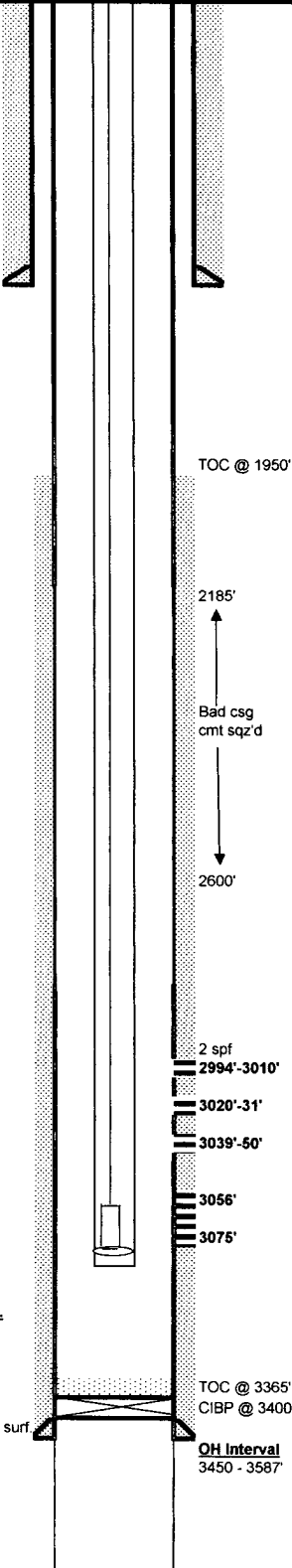
Conditions of Approval (if any):

*
Approval for Deepen - - CANNOT produce from both the
Langlie & Jalmat until Downhole commingle order is
approved in Santa Fe.

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

Surface Csg
Hole Size: 11 in
Csg. Size: 8 5/8 in
Set @: 1200 ft
Sxs Cmt: 700
Circ: Yes
TOC @: surf
TOC by: circ



Production Csg.
Hole Size: 7 5/8 in
Csg. Size: 5 1/2 in
Set @: 3450 ft
Sxs Cmt: 250
Circ: No
TOC @: 1950 f / surf
TOC by: calc.

PBTD: 3587 ft
TD: 3587 ft

OH ID: 4 3/4 in

LEASE NAME

Cooper Jal Unit

WELL NO.

110

STATUS: Active

Oil

API# 30-025-11143

LOCATION: 1980 FSL & 660 FEL, Sec 18, T - 24S, R - 37E, Lee County, New Mexico

SPUD DATE:

TD

3587

KB

3,313'

DF

INT. COMP. DATE:

09/20/46

PBTD

3587

GL

3,303'

GEOLOGICAL DATA

ELECTRIC LOGS:

CORES, DST'S or MUD LOGS:

GR-CBL-CCL (9-26-96 Halliburton)
GR-DSN (9-26-96 Halliburton)

HYDROCARBON BEARING ZONE DEPTH TOPS:

CASING PROFILE

SURF: 8 5/8" - 32#, J-55 set@ 1200' Cmt'd w/700 sxs - circ cmt to surf.
PROD: 5 1/2" - 14#, J-55 set@ 3450' Cmt'd w/250 sxs - TOC @ 1950' from surf.
LINER: None

CURRENT PERFORATION DATA

CSG. PERFS: 2994 - 3010', 3020 - 31', 3039 - 50', & 3056 - 75' w/ 2 spf (114 holes -0.45" dia).
OPEN HOLE: 3450 - 3587'
Isolated below CIBP

TUBING DETAIL

6/14/2001

ROD DETAIL

07/08/03

Length (ft)	Detail
2895	94 2 3/8" 4.7#, J-55, 8rd EUE tbq.
5	1 5 1/2" x 2 3/8" TAC
186	4 2 3/8" 4.7#, J-55, 8rd EUE tbq.
1	1 2 3/8" OD - S.N.
31	1 2 3/8" 4.7#, J-55, 8rd EUE tbq.
3118	btm

Length (ft)	Detail
16	1 1/4" polish rod w/7/8" pin.
8	1 3/4", S-87 pony rod
3025	121 3/4", S-87 rods
16	1 2" x 1 1/2" X 16' pmp
0	1 1" x 10" gas anchor
3065	btm

WELL HISTORY SUMMARY

20-Sep-46 Initial completion interval: 3450 - 3587 (7 RVRS/Queen OH) shot w/ 260 qts. IP =55 bopd, 0 bwppd & 60 Mcfpd (flowing).
15-Sep-57 C/O to 3567'
11-Jan-58 TA'd well
9-Feb-73 Converted to injector
14-Nov-83 Sqz'd csg leak @ 2185' - 2600' w/ 50 sxs cmt. C/O to TD@ 3587'. Return to injection @ 53 bwppd, TP=940 psi.
28-Mar-86 Re-sqz'd csg leak @ 2185' - 2600' w/50 sxs cmt. C/O OH & aczs'd w/ 3,000 gals 15% NEFE HCL & 500#s RS in 2 stages. PM=1800 - 800 psi, AIR=5 bpm, ISIP=920 psi. P15min=810 psi. Ran Baker AD-1 pkr on 2 3/8" IPC tbq. Set pkr@ 3376'.
After WO: Inj @ 130 bwppd @ 900 psi. Before WO: 53 bwppd @ 940 psi.
11-Sep-96 Set 5 1/2" CIBP@ 3400'. Ran GR-CBL-CCL from 3400' - 2300'. Ran GR- DSN log from 3400' - 2300'. Dmp 35' cmt on CIBP at 3400'. Tst csg to 500 psi. OK. Perf. Jalmat fromation w/ 2 spf f/ 2994'-3010', 3020'-31', 3039'-50', & 3056'-75' (114 holes -0.45" dia.). Aczd'd all perfs w/3,000 gals 15% NEFE HCL & 153-7/8" RCN ballsealers. Had good ball action. PM= 3951 - 1026 psig @ AIR= 9.5 bpm. ISIP=vac. Frac perfs 2994 - 3075 w/ 137,760 gals of 50 quality CO2 foam & 390,720#s 12/20 Brady sand. PM= 4971 - 3700 psig. AIR=45 bpm, ISIP=1350 psi, P5min=1249 psi, P10min=1225 psi, P15min=1185 psi. C/O f/ 2986' - 3365'. Installed Equipment and placed well on production.
13-Jun-01 C/O fill from 3186' to 3365'. RIH with production equipment and placed well on production.
23-Jun-03 POOH with rods and pump. RIH with new pump and rods. Placed on production.
7-Jul-03 POOH with rods and pump. Tagged fill at 3176'. Ran same pump in hole. Placed on production. Well would not pump. Replaced pump.

PREPARED BY:

Larry S. Adams

D. Carrizales

UPDATED:

08-Sep-03