

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.	30-025-11292
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input type="checkbox"/> <b>FED</b> <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.	NM 12612
7. Lease Name or Unit Agreement Name	LC0325928
8. Well Number	Cooper Jal Unit 141
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 ☒ Gas Well ☐ Other ☐ Injector ☐

2. Name of Operator  
SDG Resources L. P.

3. Address of Operator  
P. O. Box 1390  
Montrose, CO 81402

4. Well Location  
Unit Letter D ; 330 feet from the NORTH line and 330 feet from the WEST line  
Section 30 Township 24S Range 37E NMPM LEA County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3,279' GL

Pit or Below-grade Tank Application ☒ or Closure ☐

Pit type DIRT Depth to Groundwater 130 feet Distance from nearest fresh water well >1000 feet Distance from nearest surface water >1000 feet

Pit Liner Thickness: 12 mil Below-Grade Tank: Volume 200 bbls; Construction Material Synthetic

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"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: Drill CIBP, Deepen, Acidize and Fracture Stimulate. <input checked="" type="checkbox"/>	CASING/CEMENT JOB <input 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 junk CIBP, deepen producer to 3,800'; 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 3,370'. Deepen well to new TD at 3,790'.
- Lay down bit & drill collars. RU Wireline Company. Run Compensated Neutron Log from TD to 2,790'.
- Perf Yates (3,165'-3,200') and 7-Rivers (3,241'-3,390'), 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 (3,410'-3,790'); perfs: 7-Rivers (3,241'-3,390') & Yates (3,165'-3,200'), 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 (3,410'-3,790') with 60,000 12/20 mesh sand; perfs 7-Rivers (3,241'-3,390') & Yates (3,165'-3,200') 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 Carrizales TITLE Senior Petroleum Engineer DATE 3/22/05

Type or print name For State Use Only E-mail address: Domingo@sdgresources.com Telephone No. 432-580-8500

APPROVED BY: Harry W. Wink TITLE OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE APR 04 2005  
Conditions of Approval (if any):

## WELLBORE SCHEMATIC AND HISTORY

## CURRENT COMPLETION SCHEMATIC

**Surface Csg**  
Hole Size: 11 in  
Csg. Size: 8 5/8 in  
Set @: 1140 ft  
Sxs Cmt: 700  
Circ: Yes  
TOC @: surf  
TOC by: circ

**Production Csg.**  
Hole Size: 7 7/8 in  
Csg. Size: 5 1/2 in  
Set @: 3410 ft  
Sxs Cmt: 400  
Circ: No  
TOC @: 2240 f / surf  
TOC by: TS

PBTD: 3335 ft  
TD: 3535 ft

OH ID: 4 3/4 in

TOC @ 2240'  
By TS

2980'-91'  
2994'-99'  
3004'-11'  
3016'-38'  
3042'-52'  
3058'-62'  
3090'-3100'  
3112'-36'  
3141'-46'

TOC @ 3335'  
CIBP @ 3370'

**OH Interval**  
3410 - 3535'

## Cooper Jal Unit

WELL NO.

141

LEASE NAME

STATUS: Active

Oil

API#

30-025-11292

LOCATION: 330 FNL &amp; 330 FWL, Sec 30, T - 24S, R - 37E; Lee County, New Mexico

SPUD DATE:

TD

3535

KB

3,292'

DF

INT. COMP. DATE:

09/09/55

PBTD

3335

GL

3,279'

## GEOLOGICAL DATA

## ELECTRIC LOGS:

## CORES, DST'S or MUD LOGS:

GR-N from surface - 3535' (9-6-55 Lane Wells)  
Temperature Survey (9-1-55 Halliburton)  
GR-CCL from 2800 - 3425' (10-5-93 Halliburton)

## HYDROCARBON BEARING ZONE DEPTH TOPS:

Yates @ 2980'

Seven Rivers @ 3210'

## CASING PROFILE

SURF. 8 5/8" - 24#, J-55 set@ 1140' Cmt'd w/700 sxs - circ cmt to surf.

PROD. 5 1/2" - 14#, J-55 set@ 3410' Cmt'd w/400 sxs - TOC @ 2240' from surface by Temp. Survey

LINER None

## CURRENT PERFORATION DATA

CSG. PERFS:

2980 - 91', 2994 - 99', 3004 - 11', 3016 - 38',

3042 - 52', 3058 - 62', 3085 - 88', 3090 - 3100'

3112 - 36', 3141 - 46' w/ 2 spf (202 holes total - 0.56 dia., 120 deg phasing)

OPEN HOLE:

3410 - 3535'

Isolated below CIBP @ 3370'

## TUBING DETAIL

2/27/2004

## ROD DETAIL

2/27/2004

## Length (ft)

## Detail

2912 90 jts - 2 7/8" 6.5#, J-55, 8rd EUE tbg.

3 1 - 5 1/2" x 2 7/8" TAC

271 9 jts - 2 7/8" 6.5#, J-55, 8rd EUE tbg.

4 1 - 2 7/8" perf Sub

1 1 - 2 7/8" SN

32 1 - 3 1/2" Mud Anchor

3222 btm

SN@ 3186' TAC@ 2915'

## Length (ft)

26 1 - 26' x 1 1/4" polish rod w/7/8" pin

0 1 - 1 1/4" x 1 1/2" x 14' liner

1000 40 - 1" D rods

1875 75 - 7/8" D rods

250 10 - 1 1/2" sinker bars

20 2 1/2" x 1 3/4" X 17" RHBC

0 1 1/4" x 12' gas anchor

3171 btm

## WELL HISTORY SUMMARY

9-Sep-55 IC interval: 3410 - 3535' (7 RVRs/Queen OH). Acct'd w/ 500 gals mud acid. Frac'd w/4,000 gals lse oil / 10,000#s sand.

IP= 141 bopd, 0 bwppd, &amp; 133.5 Mcfgpd (flowing)

18-Aug-71 CONVERTED WELL TO INJECTION: C/O to TD @ 3535. Ran 2 3/8" CL tbg &amp; pkr. Set pkr @ 3370. Initiated injection.

28-Sep-74 Replaced 1 jt tbg. Return to injection.

30-Mar-77 Replaced 1 jt tbg. Return to injection.

6-Feb-93 C/O fill 3416 - 3535'. Acct'd w/5,000 gals 15% w/3% mutual solvent in 3 stages using 500# rock salt each for diversion.

4-Oct-93 Set CIBP @ 3370'. Dmp 35' cmt on top of CIBP. PBTD @ 3335'. Perf'd 2980 - 3146' (10 intervals, 2 spf, 202 holes total).

Frac perfs w/41,000 gals 30# X-L gel carrying 183,600#s 12/20 sand &amp; 40,580#s resin coated 12/20 sand. AIR=34.5 bpm, Pmax=1923 psi. ISIP=1380 psi, P15min=1066 psi. C/O sand from 3180 - 3335'. Install tbg, pmp, &amp; rods. Placed well on production.

After WO: 46 bopd, 422 bwppd, &amp; 16 Mcfgpd.

17-Feb-95 Replaced 1 bad jt tbg. Returned well to production.

9-Oct-95 Change out pmp. Returned well to production.

7-Oct-97 Ran tbg inspection. Replaced 22 jts of tbg. Ran new gas anchor &amp; pmp on rods. Placed well on production.

14-Oct-99 Replaced 1 bad jt tbg. Returned well to production.

27-Mar-00 Change out pmp. Returned well to production.

27-Feb-04 POOH with rods and pump. Tagged at 3282', POOH with tubing. Hydrotest tubing to 7000# - found hole 3 joints above SN.

RIH with pump and rods. PWOP.

PREPARED BY:

Larry S. Adams

D. Camzales

UPDATED:

08-Apr-04