

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.	30-025-09645 00C1
5. Indicate Type of Lease STATE ☐ FEE ☒	
6. State Oil & Gas Lease No. NM 12612	
7. Lease Name or Unit Agreement Name NM 70926X	
8. Well Number Cooper Jal Unit #121	
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 ☐

2. Name of Operator
SDG Resources L. P.

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

4. Well Location
Unit Letter B; 990 feet from the NORTH line and 1650 feet from the EAST line
Section 24 Township 24S Range 36E NMPM LEA County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3,314' KB

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 None

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☒	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	OTHER: ☐
OTHER: Drill CIBP, Deepen, Acidize and Fracture Stimulate. ☒			

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 3,790' and complete as DHC(Jalmat/Langlie Mattix); acidize, and fracture stimulate.

- MIRU Pulling Unit. POOH with rods, pump and tubing string. NU BOP.
- RIH w/ 3 3/4" bit & 6 - 3 1/2" drill collars on 2 7/8" work string. Drill CIBP at 3,400'. Deepen well to new TD at 3,790'.
- Lay down bit & drill collars. RU Wireline Company. Run Compensated Neutron Log from TD to 2790'.
- Perf Yates (3018'-3236'), 7-Rivers (3281'-3522'), 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 (3,560'-3,790'); perfs: 7-Rivers (3281'-3522') & Yates (3018'-3236'), with 2,000 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 (3560'-3790') & 7-Rivers (3423'-3522') w/ 60,000 12/20 mesh sand; perfs 7-Rivers (3281'-3292') & Yates (3018'-3236') w/ 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 Carvajales TITLE Senior Petroleum Engineer DATE 4/27/05

Type or print name Domingo Carvajales E-mail address: domingo@sdgresources.com Telephone No. 432-580-8500

For State Use Only

APPROVED BY: [Signature] TITLE OC DISTRICT SUPERVISOR/GENERAL MANAGER DATE APR 28 2005
Conditions of Approval (if any):

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

LEASE NAME

Cooper Jal Unit

WELL NO.

121

STATUS:

Active

Oil

API#

30-025-09645

LOCATION:

990 FNL & 1850 FEL, Sec 24, T - 24S, R - 36E; Lee County, New Mexico

SPUD DATE:

TD

3560

KB

3,314'

DF

INT. COMP. DATE:

01/22/49

PBDT

3365

GL

3,303'

ELECTRIC LOGS:

GEOLOGICAL DATA

CORES, DST'S or MUD LOGS:

GR-N from 2720 - 3520' (12-27-48 Lane Wells)

GR-N from 2800 - 3556' (1-29-75 McCullough)

HYDROCARBON BEARING ZONE DEPTH TOPS:

Yates @ 3018'

7 Rivers @ 3240'

TOC @ 685'
By Calc.

CASING PROFILE

SURF. 13 3/8" - 68# J-55 set @ 30' Cmt'd w/30 sxs - circ cmt to surf.

INTR. 9 5/8" - 40# J-55 set @ 1179' Cmt'd w/550 sxs - circ cmt to surf

PROD. 7" - 20# J-55 set @ 3017' Cmt'd w/350 sxs - TOC @ 685' from surf by calc

LINER 4 1/2" - 10.5# H-40 set from 2966 - 3560' Cmt'd w/700 sxs - circ cmt through TOL

CURRENT PERFORATION DATA

CSG. PERFS:

OPEN HOLE :

1 spf - 71 total holes

3018

3125

3236

3024

3127

3281

3027

3142

3283

3032

3145

3287

3045

3147

3292

3048

3177

3423 set CIBP @ 3400' w/35' cmt on top - 12/97

3065

3179

3432

3069

3181

3434

3073

3215

3458-72 (16 holes)

3077

3218

3490-3500 (11 holes)

3099

3221

3512-22 (11 holes)

3102

3223

3104

3232

3123

3234

TUBING DETAIL

9/5/2003

ROD DETAIL

09/08/03

Length (ft)

Detail

2880 96 jts - 2 3/8" 4.7# J-55, 8rd EUE tbq.

3 1 - 4 1/2" x 2 3/8" TAC

271 9 jts - 2 3/8" 4.7# J-55, 8rd EUE tbq.

1 1 - 2 3/8" SN

30 1 jts - 2 3/8" 4.7# J-55, 8rd EUE tbq.

3185 btm

Length (ft)

16 1 - 22' x 1 1/4" polish rod w/ 12' x 1 1/2" liner

0

3100 124 - D-87, 3/4" rods

14 2" x 1 1/4" X 14" RHBC rod pmp

3130 btm

SN@ 3154' TAC@ 2881'

WELL HISTORY SUMMARY

22-Jan-49 Initial completion interval: 3017 - 3520' (Yates/7 RVRS/QUEEN - OH). Acdz'd w/500 gals 20% HCL & jet shot 3025 - 3470'. IP=30 bpd, 0 bwpd & 45 Mcfgpd (Flowing)

01-Jan-55 C/O to 3505'. Frac OH w/10,000 gals oil & 10,000#s sand in 2 stages diverting w/500#s rock salt.

15-Jan-73 Tag fill @ 3126' (394' of fill)

23-Feb-73 C/O fill to TD.

08-Jul-74 Tag fill @ 3040' (480' of fill). C/O to 3520'. Deepened well to 3560'. After WO: 59 bopd & 29 bwpd. Before WO: 49 bopd & 18 bwpd

25-Jan-75 C/O fill 3075 - 3555'. Set 4 1/2" liner. Sqz'd TOL w/300 sxs cmt Perf'd w/ 1spf 3423' (1 hole), 3432' (1 hole),

3434' (1 hole), 3458 - 72' (16 holes), 3490 - 3500' (11 holes), 3512 - 22' (11 holes). Acdz'd all perfs w/2,500 gals 15%

HCl using 72 ball sealers. AIR=4.2 bpm @ 1500 psi. Frac'd w/40,000 gals trid wtr, 30,000#s 20/40 sand, 12,000# 10/20 sand dropping

25 ball sealers. AIR=20 bpm@2600 psi. C/O frac sand from 3510-40'.

C/O fill from 3480 - 3560'. Acdz'd w/1,500 gals and scale sqz'd.

25-Sep-75 Set RBP @ 3329'. Tst RBP. OK Perf'd w/ 1spf from 3018'-3292'. Set pkr @ 2985' & acdz'd all perfs w/ 4,000 gals 15% HCL

10-Jan-78 dropping 49 ballsealers. AIR=4.5 bpm @ 1500 psi. ISIP=600 psi. P15min=vac. Frac in 3 equal stages: 40,000 gals, 31,500#s 20/40

sand, 9,000#s 10/20 sand dropping 20 ballsealers. AIR=20 bpm@2212 psi. ISIP=740 psi, P5min=620 psi, P15min=600 psi. SIW/FN.

C/O to 3539'. POOH w/ RBP. Placed well on production. IP=30 bopd & 286 bwpd.

11-Feb-87 Tag fill @ 3511' (49' of fill)

29-Dec-97 Set CIBP @ 3400' and dmp 35' cmt on top. PBDT @ 3365'. Ran prod equipment. IP=13 bopd, 24 bwpd & 11 Mcfgpd

14-May-98 Installed rods/pmp. Hydrotest tbq.

08-Nov-02 Laid down 6 3/4" pitted rods & 5 pitted jts of tubing. Hydrotest tubing in hole. Found 1 hole in jt above SN. Change out pump.

04-Sep-03 POOH with rods, pump, and tubing string. Hydrotest tubing in hole - found hole in joint above the pump. Placed well on production.

Surface Csg

Hole Size: 17 1/2 in

Csg. Size: 13 3/8 in

Set @: 30 ft

Sxs Cmt: 30

Circ: Yes

TOC @: surf

TOC by: circ

Intermediate Csg

Hole Size: 12 1/4 in

Csg. Size: 9 5/8 in

Set @: 1179 ft

Sxs Cmt: 550

Circ: Yes

TOC @: surf

TOC by: circ

Production Liner

Hole Size: 4 3/4 in

Csg. Size: 4 1/2 in

Top: 2966 ft

Btm: 3560 ft

Sxs Cmt: 700

Circ: Yes

TOC @: TOL

TOC by: circ

Production Csg.

Hole Size: 8 5/8 in

Csg. Size: 7 in

Set @: 3017 ft

Sxs Cmt: 350

Circ: No

TOC @: 685 f/ surf.

TOC by: calc.

PBDT: 3365 ft

TD: 3560 ft

OH ID: 6 1/4 in

PREPARED BY:

Larry S. Adams

D. Carrizales

UPDATED:

12-Jun-03