

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

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103

May 27, 2004

WELL API NO.

30-025-09644

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

NM 12612

7. Lease Name or Unit Agreement Name

NM 70962X

8. Well Number Cooper Jal Unit 134

9. OGRID Number 193003

10. Pool name or Wildcat JALMAT: Tan, Y, 7-R; Langlie Mattix: 7-R, Q, GB

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 N 330 feet from the SOUTH line and 1650 feet from the WEST line
Section 24 Township 24S Range 36E NMPM LEA County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3,321' 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:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
OTHER: Perform Step-Rate Test. ☒

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.

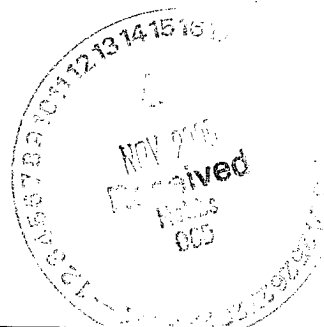
Objective: Perform Step-Rate Test.

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

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

Type or print name

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

For State Use Only

APPROVED BY: Hayward W. Wicks FIELD REPRESENTATIVE II/STAFF MANAGER DATE NOV 14 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 @: 280 ft
Sxs Cmt: 150
Circ: Yes
TOC @: surf
TOC by: circ

Production Csg.

Hole Size: 7 7/8 in
Csg. Size: 5 1/2 in
Set @: 3462 ft
Sxs Cmt: 300
Circ: No
TOC @: 1880 f / surf.
TOC by: calc.

PBTD: 3570 ft
TD: 3570 ft

OH ID: 4 3/4 in

TOC @ 1880'
By Calc.

pkr @ 2958'

Jalmat

3031'
3034'
3037'
3040'
3042'
3053'
3057'

Langlie Mattix

OH Interval
3462 - 3570'

Fill at 3508'

LEASE NAME

Cooper Jal Unit

WELL NO.

134 WIW

STATUS: Active

Water Injector

AP# 30-025-09644

LOCATION: 330 FSL & 1650 FWL, Sec 24, T - 24S, R - 36E, Lee County, New Mexico

SPUD DATE: TD 3570 KB 3,321' DF

INT. COMP. DATE: 07/18/54 PBTD 3570 GL 3,310'

ELECTRIC LOGS:

GR-N from surface - 3570' (7-17-54 Schlumberger)

Injection Profile (1-25-97 Houston, Inc.)

GR-N (2-7-79 Dresser Atlas)

CORES, DST'S or MUD LOGS:

HYDROCARBON BEARING ZONE DEPTH TOPS:

CASING PROFILE

SURF. 8 5/8" - 28# J-55 set @ 280' Cmt'd w/150 sxs - circ cmt to surf.

PROD. 5 1/2" - 14# (Surface - 2975' & 17# (2250 - 3462'), J-55 set @ 3462' Cmt'd w/300 sxs - TOC @ 1880' from surf by calc.

LINER None

CURRENT PERFORATION DATA

CSG. PERFS:

3031', 34', 37', 40', 42', 53', 57', 3223', 25', 27', 91',
93', & 3295' w/1 spf (30 holes total - .32" dia.)

OPEN HOLE:

3462 - 3570'

TUBING DETAIL

8/9/1994

ROD DETAIL

Length (ft)

Detail

11.00 KB
2945.00 98 jts - 2 3/8" 4.7#, CL, J-55, 8rd EUE tbq.
3.00 1- 5 1/2" x 2 3/8" Baker Model AD-1 packer
2959.00 btm

WELL HISTORY SUMMARY

18-Jul-54 Initial completion interval: 3462 - 3570' (Lower 7-Rivers OH). Frac'd w/5,000 gals lse oil & 7,500 #s sand.

IP= 237 bopd, 0 bwppd, & 320 Mcf/gpd (flowing)

07-Nov-75 C/O to 3570'. Acidz'd w/ 1,500 gals.

15-Mar-79 Tagged btm - No fill. Logged well. Perf'd (Jalmat) 3031', 34', 37', 40', 42', 53', 57', 3223', 25', 27', 91', 93', & 3295' w/1 spf (30 holes total - .32" dia.) Acidz perfs (3031 - 3295') w/3,000 gals; Frac w/49,000 gals X-L gel, 36,000#s 20/40 sand & 13,500 gals 10/20 sand in 3 equal stages using rock salt for diversion. Max sand concentration was 2 ppg. C/O to 3570'.

11-Oct-82 C/O OH from 3469 - 3570' (101' of fill). Frac OH w/13,000 gals X-L gel, 6,000 gals CO2, 23,500#s 20/40 sand, 13,500#s 10/20 sand with max sand concentration of 3 ppg and max rate of 9.5 bpm. C/O OH to 3570'.

20-May-87 Tag fill @ 3521' (49' of fill). Did not C/O.

21-Jan-89 C/O fill from 3521 - 3570' (49' of fill). After WO: 19.9 bopd, 90 bwppd, & 17.9 Mcf/gpd

15-Apr-94 Converted well to DHC (Jalmat & Langlie Mattix) injector: C/O scale & formation from 3524 - 70'. Jet wash 3570 -

3462'. Acidz OH w/4,200 gals 20% NEFE HCL mixed with 165 gals micellar solvent diverting with 1700#s rock salt in 4 stages. Tried to isolate perfs 3031 - 3295 w/ RBP @ 3306' & pkr @ 3303'. No test on tools. POOH w/tools and acidz'd perfs 3031 - 3295 and OH (3462 - 3570') together using 4,200 gals 20% NEFE HCL mixed with 165 gals micellar solvent diverting with 2100#s rock salt in 4 stages. AIR=3.1 bpm, ISIP=500 psi, P15min=vacuum. RIH w/pkr on 2 3/8" CL tbq. Could not set pkr @ 2990'.

Set pkr @ 2958'. Tst OK. Initiated injection @ 712 bwppd @ 425 psi.

14-Feb-02 Tag TD using SL unit (1 1/4" x 5' sinker bar). Tag fill @ 3508' (62' of fill)

PREPARED BY:

Larry S. Adams

D. Carrizales

UPDATED:

20-May-04