

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
Revised June 10, 2003

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

WELL API NO. 30-025-09639
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No. LC 063965
7. Lease Name or Unit Agreement Name COOPER JAL UNIT
8. Well Number 132
9. OGRID Number 193003
10. Pool name or Wildcat JALMAT: 7RVRS, YATES

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 ☐ Injection Well ☐	
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>2310</u> feet from the <u>SOUTH</u> line and <u>990</u> feet from the <u>EAST</u> line Section <u>24</u> Township <u>24-S</u> Range <u>36-E</u> NMPM LEA County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3307'	

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

NOTICE OF INTENTION TO:

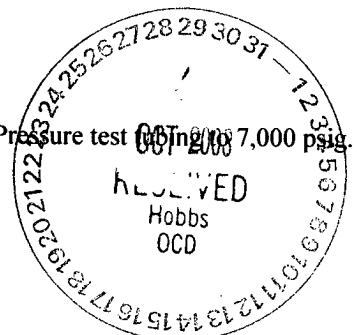
- PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐
OTHER: Repair Tubing or Packer Leak. ☒

SUBSEQUENT REPORT OF:

- REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND 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.

Pull injection string and packer.
Run in hole with 4 3/4" bit on 2 7/8" work string.
Clean out to 3265' - top of cement.
Pull out of hole and lay down 2 7/8" work string and 4 3/4" bit.
Run Baker Model AD tension packer and 98 joints of internally plastic coated 2-3/8" tubing. Pressure test (Oct 2003) 7,000 psig.
Placed inhibited fresh water above tension packer. Set packer at 2965' with 15,000# tension.
Perform mechanical integrity test.
Place on injection not to exceed maximum allowed pressure of 590 psig.



I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Domingo Carrizales TITLE Sr. Petroleum Engineer DATE 10/27/03

Type or print name Domingo Carrizales E-mail address: domingo@sdgresources.com Telephone No. 432-550-7580

(This space for State use)

APPROVED BY Larry W. Wink DATE OCT 30 2003
Conditions of approval, if any

FIELD REPRESENTATIVE II/STAFF MANAGER

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

Surface Csg

Hole Size: 11 in
Csg. Size: 8 5/8 in
Set @: 283 ft
Sxs Cmt: 124
Circ: Yes
TOC @: surf
TOC by: circ

TOC @ 685'
by calc.

DV Tool @ 1211'

TOC @ 2420'
By Calc.

Pkr @ 2955'

3024 - 3170'

TOC @ 3265'
CIBP @ 3300'

OH Interval
3475 - 3640'

OH ID: 4 3/4 in

Production Csg.

Hole Size: 7 7/8 in
Csg. Size: 5 1/2 in
Set @: 3475 ft
Sxs Cmt: 500
Circ: No
TOC @: 685 f / surf
TOC by: calc.

PBTD: 3265 ft
TD: 3640 ft

LEASE NAME

Cooper Jal Unit

STATUS:

Active

Water Injector

WELL NO.

132

LOCATION:

2310 FSL & 990 FEL, Sec 24, T - 24S, R - 36E; Lee County, New Mexico

SPUD DATE:

04/08/54

TD

3640

KB

3,315'

DF

INT. COMP. DATE:

05/12/54

PBTD

3265

GL

3,307'

GEOLOGICAL DATA

ELECTRIC LOGS:

GR-N (10-13-49 Lane Wells)
GR-N from 0 - 3556' (4/25/54 Schlumberger)
GR-CBL-MSG-CCL (3-21-94 Halliburton)
GR-CBL-MSG-CCL from 2,000 - 3,300' (6-7-95 Halliburton)
Injection Profile (1-29-97 Houston, Inc.)

CORES, DST'S or MUD LOGS:

HYDROCARBON BEARING ZONE DEPTH TOPS:

Yates @ 3016'
Queen @ 3474'

CASING PROFILE

SURF. 8 5/8" - 24#, J-55 set @ 283' Cmt'd w/124 sxs - circ cmt to surf.
PROD. 5 1/2" - 14#, J-55 set @ 3475' Cmt'd w/400 sxs - TOC @ 2420' from surf. DV tool @ 1211' - pmp 100 sxs - TOC @ 685' f/ surf by calc.
LINER None

CURRENT PERFORATION DATA

CSG. PERFS: 3024 - 42', 3066 - 83', 3095 - 3112'
3125 - 33', & 3148 - 70' w/2 spf (164 holes total)
OPEN HOLE: 3475 - 3640'

TUBING DETAIL

7/7/2000

ROD DETAIL

Length (ft)

Detail

8.00 KB
2944.00 98 jts - 2 7/8" 6.5#, CL, J-55, 8rd EUE tbg.
3.00 1- 5 1/2" x 2 7/8" Baker Model AD-1 packer
2955.00 btm

WELL HISTORY SUMMARY

May-54 Initial completion interval: 3475 - 3555' (7 RVRs/Queen OH). Frac'd w/4,000 gals & 0 #s sand. Burst csg @ 280'. Cmt sqz csg leak w/ 200 sxs (3 jobs) Tst OK @ 875 psi. Frac'd w/4,000 gals & 6,000#s sand. IP = 173 bopd, 0 bwppd, 245 Mcfgpd (flowing)
Apr-76 Acdd'd OH w/ 1,500 gals. Tight spot in csg @ 210'
Feb-85 C/O fill from 3473 - 3555' (82' of fill). Deepened to 3640'. Acdd'd OH 3475 - 3640' w/4,000 gals in 2 stages using 500#s rock salt. Frac'd w/22,000 gals X-L gel & 56,000#s 12/20 sand ramping to 6 ppg.
Mar-87 C/O fill to 3640'
Apr-87 C/O fill to 3628'
Apr-88 Tag fill @ 3628'
Dec-93 CONVERTED TO INJECTOR: C/O from 3508 - 3640'. Acdd'd OH w/4,000 gals 20% NEFE combined with 110 gals UT-460 & 110 gals T-425 microlular solvent & 1400#s rock salt. AIR=3 bpm @ 900 psi. ISIP=680 psi. RIH w/ CL tbg & pkr. Set pkr @ 3370'. Noted pkr is 105' above hole in csg. Inject @ 263 bwppd w/ TP=vacuum.
Jun-95 Ran GR-CBL-CCL. Perf (Jalmat) 2950 - 3170 (selectively). Acdd'd w/5,000 gals 15% NEFE HCL & 250 RCN ballsealers in 6 stages. Ran 2 3/8" CL tbg & pkr. Set pkr @ 2962'. Tst pkr. OK. Inject @ 481 bwppd w/ TP=580 psi. Converted to DHC injector w/ Pmax surf injection press = 590 psi.
Jun-00 C/O hard scale from 3145 - 3370'. Set CIBP @ 3300' and dmp 35' cmt on top. (PBTD @ 3265). Acdd'd perfs 3024 - 3170' w/ 4,000 gals 15% NEFEHCL & 2,000#s rock salt in 3 stages. AIR=4 bpm @ 1380 psi. ISIP=570 psi, P15 min=140 psi. Ran pkr on 2 3/8" CL tbg & set pkr @ 2955'. Injecting @ 250 bwppd, TP=180 psi.
Feb-02 Tag TD using SL unit (1 1/4" x 5' sinker bar). Tag fill @ 129' (3511' of fill)
Oct-03 Bladenhead Test failed: Bled CSG down to 0 psi. SI for 15 minutes - pressure build up to 500 psig. Witnessed by OCD Rep - Buddy Hill.

PREPARED BY:

Larry S. Adams

[UPDATED:

30-Apr-02