

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. | 09560 30-025-09638 |
| 5. Indicate Type of Lease | STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |
| 6. State Oil & Gas Lease No. | 141560 |
| 7. Lease Name or Unit Agreement Name | Cooper Jal Unit |
| 8. Well Number | 146 w |
| 9. OGRID Number | 193003 |
| 10. Pool name or Wildcat | JALMAT: Tansill, Yates & 7-Rivers; LANGLIE MATTIX: 7-Rivers Queen |

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 DHC

2. Name of Operator

SDG Resources L. P.

3. Address of Operator

P. O. Box 1390
Montrose, CO 81401

4. Well Location

Unit Letter I : 1650 feet from the SOUTH line and 990 feet from the EAST line
Section 13 Township 24S Range 36E NMPM LEA County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3,326' KB

Pit or Below-grade Tank Application ☒ or Closure ☐

Pit type DIRT Depth to Groundwater 130' 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 ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

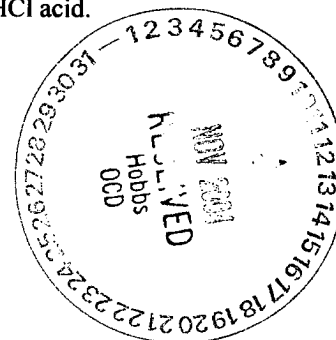
OTHER: Clean out injector w/Coiled Tubing and Acidize. ☒

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: Clean out DHC injector w/Coiled Tubing and Acidize with 4,000 gallons 15% NEFE HCl acid.

1. MIRU Coiled Tubing Unit.
2. RIH 1 1/4" Perf-Clean Tool on 1 1/4" coil tubing to 2,924'.
3. Energize Tool and clean out Perfs 3,027'-3,628' with surfactant water.
4. Acidize Perfs 3,027'-3,628' with 4,000 gallons 15% NEFE HCl acid.
5. POOH with coiled tubing and rig down Perf-Clean Tool.
6. RD Coiled Tubing Unit.
7. Place well on injection at approximately 260 bwpd.
8. Maximum permitted injection pressure is 600 psig.



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 Canales TITLE Senior Petroleum Engineer DATE 11/10/04

Type or print name

E-mail address: Domingo@sdgresources.com Telephone No. 432-550-7580

For State Use Only

OC FIELD REPRESENTATIVE II/STAFF MANAGER NOV 22 2004

APPROVED BY: Larry W. Wink TITLE DATE

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 @: 300 ft
Sxs Cmt: 75
Circ: No
TOC @: 35 ft f/ surf
TOC by: calc

Production Liner

Hole Size: 6 in
Csg. Size: 4 in
Top: 2980 ft
Btm: 3642 ft
Sxs Cmt: 50
Circ: Yes
TOC @: TOL
TOC by: circ

Production Csg.

Hole Size: 7 7/8 in
Csg. Size: 5 1/2 in
Set @: 3034 ft
Sxs Cmt: 200
Circ: No
TOC @: 1980 f/ surf.
TOC by: calc.
PBDT: 3575 ft
TD: 3642 ft

OH ID: 4 3/4 in

(Original) OH Interval
3433 - 3591'

TOC @ 2120'
By Calc.

pkc @ 2924'

Jalmat
3008'-26'
3027'-36'
3048'-60'
3079'-83'
3085'-95'
3112'-18'
3126'-31'
3143'-50'
3193'-3202'
3207'-16'
3280'-68'

L. M.
3394'-96'
3404'-06'
3414'-16'
3428'-38'
3458'-72'
3482'-90'
3568'-70'
3607'-10'
3625'-28'

Cooper Jal Unit

WELL NO **146** (Formerly No. 233)

STATUS: Active Water Injector
LOCATION: 1650 FSL & 990 FEL, Sec 13, T - 24S, R - 36E; Lee County, New Mexico
SPUD DATE: TD 3642 KB ### DF
INT. COMP. DATE: 06/30/50 PBDT 3575 GL ###

GEOLOGICAL DATA

ELECTRIC LOGS:
GR-N from 2100 - 3641' (9-1-71 Dresser Atlas)
Injection Profile (4-26-95 Houston, Inc.)
GR-CCL from 3640 - 2800' (6-1-94 Halliburton)

CORES, DST'S or MUD LOGS:

HYDROCARBON BEARING ZONE DEPTH TOPS:

Yates @ 3001'
Seven Rivers @ 3216'

CASING PROFILE

SURF. 8 5/8" - 28#, J-55 set @ 300' Cmt'd w/75 sxs - TOC @ 35' f/ surf by calc.
PROD. 5 1/2" - 14#, J-55 set @ 3034' Cmt'd w/200 sxs - TOC @ 1980' from surface by calculation.
LINER 4" - 9.11#, FJ-40 set from 2980 - 3642' Cmt'd w/50 sxs - cmt circ out TOL @ 2980'

CURRENT PERFORATION DATA

CSG. PERFS: OPEN HOLE :
3008 - 26' 3193 - 3202' 3428 - 38' 3027 - 36' w/ 2 spf (20 holes total) 3433 - 3591'
3046 - 60' 3207 - 16' 3458 - 72' 3085 - 95' w 2 spf (20 holes total) Selectively isolated behind 4" liner
3079 - 83' 3260 - 68' 3482 - 90' 3088 - 3268' w/1 spf (80 holes total)
3112 - 18' 3394 - 96' 3566 - 70' 3394 - 3628' w/ 1 spf (48 holes total)
3126 - 31' 3404 - 06' 3607 - 10' (below junk @ 3575')
3143 - 50' 3414 - 16' 3625 - 28' (below junk @ 3575')

TUBING DETAIL

2/25/2004

ROD DETAIL

Length (ft) Detail
11 KB
2921 95 jts - 2 3/8" 4.7#, IPC, J-55, 8rd EUE tbg.
3 1- 5 1/2" x 2 7/8" Baker Model AD-1 packer
2935 btm

WELL HISTORY SUMMARY

30-Jun-50 Initial completion interval: 3034 - 3235' (Yates/7RVRS OH). Acidz'd w/1,000 gals.
IP=54 bopd, 0 bwppd, 61 Mcf/gpd (flowing)
25-Feb-71 Production: 305 Mcf/gpd @ FTP=121 psig
21-Sep-71 CONVERTED TO INJECTOR: Drd from 3235 - 3642'. Underreamed OH from 4 3/4" to 6". Installed 4" liner.
Perf'd (Jalmat) 3008 - 3268' and (Langlie Mattix) 3394 - 3628'. Acidz'd w/5,360 gals 20% HCL.
28-Sep-87 Attempt to pull dual injection equipment. C/O & acidz'd. Unable to recover fish (30' - 2 3/8" 4.7# EUE, 8rd Cmt lined tbg.
Baker AD-1 pkr, flow controller & 1jt - 2 3/8" 4.7# EUE, 8rd cmt lined tbg with bull plug.) TOF @ 3164'. Ran tbg & pkr.
Set pkr @ 2921'. Placed well on injection.
24-May-94 Recovered all of fish lost in 9/87. C/O to 3575' pushing pkr rubber below bit. PBDT @ 3575'. Tst liner top. Had communication.
Ran GR-CCL from 3640 - 2800'. Perf'd 3027 - 36' and 3085 - 95'. Ran pkr on 2 3/8" IPC tbg. Set pkr @ 2951'.
Initiated injection @ 937 bwppd, TP=400 psi.
14-Feb-02 Tag TD using SL unit (1 1/4" x 5' sinker bar). Tag fill @ 2971' (671' of fill).
19-Feb-04 POOH with 2 3/8" IPC injection string and 5 1/2" Packer. RIH with 3 5/16" bit and 6 - 2 3/8" drill collars on 2 3/8" work string.
Tagged at 3318', cleaned out to 3642' - recovered iron sulfide, scale, and rubber. Circulate clean. RIH with 5 1/2" full bore packer to 2940'. Circulated with 70 bbls 2% KCl water plus packer fluid. Set packer with 20 points and test backside to 500 psig - held. Pulled pressure chart for OCD. Prior rate & pressure: 183 BWPD @ 500 psig. After rate & pressure: 126 BWPD at 0 psig. Maximum allowable pressure - 600 psig.

PREPARED BY:

Larry S. Adams

D. Carrizales

UPDATED:

20-May-04