

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.	30-025-09659
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	238 w
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 <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Injector
2. Name of Operator SDG Resources L. P.
3. Address of Operator P. O. Box 1390 Montrose, CO 81401
4. Well Location Unit Letter <u>E</u> : <u>1980</u> feet from the <u>NORTH</u> line and <u>330</u> feet from the <u>WEST</u> line Section <u>25</u> Township <u>24S</u> Range <u>36E</u> NMPM LEA County
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,303' 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 Synthetic

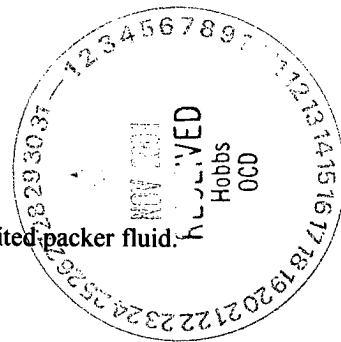
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

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: Clean out injector with bit and Acidize. <input checked="" type="checkbox"/>	P AND A <input 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: Clean out Jalmat injector w/bit and Acidize with 4,200 gallons 15% NEFE HCl acid.

1. MIRU Pulling Unit.
2. POOH with 2 3/8" IPC tubing and 5 1/2" x 2 3/8" Baker Model AD-1 tension packer.
3. RIH with 4 1/4" bit & 6 - 3 1/2" drill collars on 2 7/8" work string.
4. Clean out well to TD at 3,330'.
5. Wash perfs (3,032'-3,246') with surfactant 2% KCl water using Perf-Clean Tool.
6. Acidize open hole (3,032'-3,246') with 4,200 gallons 15% NEFE HCl acid.
7. POOH with 2 7/8" work string and lay down Perf-Clean Tool.
8. RIH with 5 1/2" x 2 3/8" Baker Model AD-1 Tension packer to 2,972'; circulate annulus with inhibited packer fluid.
9. Set packer and test annulus to 500 psig for 30 minutes. Pull chart for NMOCD.
10. Place well on injection at approximately 200 bwpd.
11. Maximum permitted injection pressure is 600 psig.
12. 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 Carvajal TITLE Senior Petroleum Engineer DATE 11/22/04

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

For State Use Only

APPROVED BY: Thuy W. Wink TITLE OC FIELD REPRESENTATIVE / STAFF MANAGER DATE NOV 29 2004

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 @: 289 ft
Sxs Cmt: 150
Circ: Yes
TOC @: surf
TOC by: circ

repaired bad csg
520 - 560'
w/ 325 sx to Surf

DV Tool @ 1191'

TOC @ 2291'
80% Factor

TOC - unknown

pkc @ 2972'

Yates' Top @ 3000'

Top of fill at
3,048'

3032 - 50'

3078 - 89'

3109 - 20'

3132 - 42'

3156 - 64'

3176 - 80'

7-R Top @ 3208'

3224 - 28'

3240 - 46'

2 sxs cmt

CIBP @ 3350'

3512 - 26'

OH Interval

3541 - 89'

Queen Top @ 3575'

Production Csg

Hole Size: 7 7/8 in
Csg. Size: 5 1/2 in
Set @: 3541 ft
Sxs Cmt: 300
Circ: No
TOC @: unknown
TOC by:

PBTD: 3589 ft
TD: 3589 ft

OH ID: 4 3/4 in

LEASE NAME

Cooper Jal Unit

STATUS:

Active

Water Injector

WELL NO.

(Formerly No. 142) **238**

LOCATION:

1980 FNL & 330 FWL, Sec 25, T - 24S, R - 36E, Lee County, New Mexico

SPUD DATE:

07/23/54

TD

3589

KB

3,312'

DF

3,311'

INT. COMP. DATE:

08/11/54

PBTD

3589

GL

3,303'

ELECTRIC LOGS:

GR-N from 100 - 3588' (8-9-54 Schlumberger)

GR-N (8-9-56 Schlumberger)

GR-BHC-Acoustilog from 2050 - 3564' (8-31-71 Dresser Atlas)

HYDROCARBON BEARING ZONE DEPTH TOPS:

Yates @ 3000'

Seven Rivers @ 3206'

Queen @ 3575'

GEOLOGICAL DATA

CORES, DST'S or MUD LOGS:

CASING PROFILE

SURF. 8 5/8" - set@ 289' Cmt'd w/150 sxs - circ cmt to surf.
PROD. 5 1/2" - 15.5#, J-55 set@ 3541' Cmt'd w/200 sxs - TOC @ 2291' Calc @ 80%. DV tool @ 1191' - pmp 100 sxs - TOC @ 560'.
LINER None

CURRENT PERFORATION DATA

OPEN HOLE :

3032 - 50', 3078 - 89', 3109 - 20', 3132 - 42', 3156 - 64', 3541 - 89'
3176 - 80', 3224 - 28', & 3240 - 46' w/ 1 spf (82 holes)
3512 - 26' isolated w/CIBP @ 3350'

TUBING DETAIL

5/26/1993

ROD DETAIL

Length (ft)

Detail

0.00 KB

2969.00 97 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

2972.00 btm

WELL HISTORY SUMMARY

11-Aug-54 Initial completion interval: 3541 - 89' (Seven Rivers OH). Frac'd w/5,000 gals Dowell Petrofrac w/ 7,400#s sand. Well flowed 80% load of Oil and died.
07-Sep-54 Perf'd interval 3512 - 26' (Seven Rivers) and Frac'd w/4,000 gals Dowell Petrofrac w/5,000#s sand. Placed well on rod pump. Well produced 20 bwpd on pmp after 80% load oil returned.
08-Nov-54 Removed tbq & rods from well. Shut-in well with 2" valve on national tbq head.
12-Oct-71 Ran GR - N and Acoustilog. Set CIBP @ 3350' and dmp 2 sxs cmt on top of CIBP. Perforated (Jalmat) w/ 1 spf: 3032'-50', 3078'-89', 3109'-20', 3132'-42', 3156'-64', 3176'-80', 3224'-28', & 3240'-46'. Acidz'd perfs w/2200 gals 15% acid in 3 stages. Ran pkr on 2 3/8" CL tbq. Set pkr @ 2965'. Shut-in well pending water injection facilities.
23-Feb-89 C/O fill from 3390 - 3310'. Acidized perfs (3032 - 3246') w/ 3,000 gals 15% NEFE HCL dropping 90 RCN ballsealers. AIR=3.2 bpm @ 1,000 psi. ISIP=750 psi. Ran pkr on 2 3/8" CL tbq. Set pkr @ 2976'. Initiated injection @ 200 bwpd, TP=550 psi.
17-May-93 C/O fill (iron sulfide, paraffin & calcium carbonate scale) from 3185 - 3335' (170'). Acidz'd perfs (3032 - 3246') w/ 5000 gals 15% NEFE HCL, 1100 gals mutal solvent, and 110 gals Checker Sol (Micelluar solvent) dropping 1100#s rocksalt in three block stages. Identified csg leak @ 520 - 560'. Pmp 325 sxs cmt down 5 1/2" and circ back to surface up 5 1/2" x 8 5/8" annulus. SIP=500 psi. WOC. D/O cmt from surface to 594'. Tst csg to 300 psi. OK. Ran pkr on 2 3/8" CL tbq. Set pkr @ 2972'. Tst pkr & csg. OK. Initiated injection @ 91 bwpd, TP=700 psi.
04-Feb-02 Tagged fill using slick lineunit (1 1/4" x 5' sinker bar). Tagged fill at 3,048' (541' of fill).

PREPARED BY:

Larry S. Adams

D. Camizales

UPDATED:

11-May-04