

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.	30-025-09641
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.	12612
7. Lease Name or Unit Agreement Name	Cooper Jal Unit
8. Well Number	135 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 <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> 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 <u>O</u> : <u>990</u> feet from the <u>SOUTH</u> line and <u>1980</u> feet from the <u>EAST</u> line	
Section <u>24</u> Township <u>24S</u> Range <u>36E</u> NMPM LEA County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.)	3,318' KB
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>	
Pit type <u>DIRT</u> Depth to Groundwater <u>130'</u> Distance from nearest fresh water well <u>>1000</u> feet Distance from nearest surface water <u>>1000</u> feet	
Pit Liner Thickness: <u>200</u> mil Below-Grade Tank: Volume <u>200</u> bbls; Construction Material <u>Synthetic</u>	

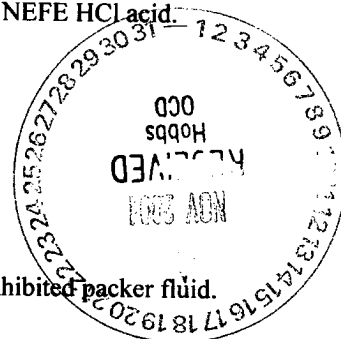
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
OTHER: Clean out injector with bit and Acidize. <input checked="" 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/Langlie Mattix injector w/bit and Acidize with 3,000 gallons 15% NEFE HCl acid.

- MIRU Pulling Unit.
- POOH with 2 3/8" IPC tubing and 5 1/2" x 2 3/8" Baker Model AD-1 tension packer.
- RIH with 4 3/4" bit & 6 - 3 1/2" drill collars on 2 7/8" work string.
- Drill out CIBP at 3,530 and clean out well to TD at 3,650'.
- Wash open hole 2,925'-3,650' with surfactant 2% KCl water using Perf-Clean Tool.
- Acidize open hole 2,925'-3,650' with 3,000 gallons 15% NEFE HCl acid.
- POOH with 2 7/8" work string and lay down Perf-Clean Tool.
- RIH with 5 1/2" x 2 3/8" Baker Model AD-1 Tension packer to 2,925'; circulate annulus with inhibited packer fluid.
- Set packer and test annulus to 500 psig for 30 minutes. Pull chart for NMOCD.
- Place well on injection at approximately 270 bwpd.
- 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 Canizales TITLE Senior Petroleum Engineer DATE 11/17/04

Type or print name
For State Use Only

E-mail address: Domingo@sdgresources.com Telephone No. 432-7580
OC FIELD REPRESENTATIVE II/STAFF MANAGER

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 @: 290 ft
Sxs Cmt: 125
Circ: Yes
TOC @: surf
TOC by: circ

TOC @ 2728'
By CBL

pkf @ 2925'

3019 - 3097'

3102 - 3194'

3201, 03, & 10'

3285 - 3302'

3358 - 3362'

OH Interval
3472 - 3650'

Fill at 3524'
CIBP pushed into
OH to 3530'

PBTD: 3530 ft
TD: 3650 ft

OH ID: 4 3/4 in

LEASE NAME

Cooper Jal Unit

WELL NO.

135 WIW

STATUS:

Active

Water injector

API#

30-025-09641

LOCATION:

990 FSL & 1980 FEL, Sec 24, T - 24S, R - 36E, Lee County, New Mexico

SPUD DATE:

TD

3650

KB

3,318'

DF

INT. COMP. DATE:

03/01/54

PBTD

3530

GL

3,312'

GEOLOGICAL DATA

ELECTRIC LOGS:

Micro Laterolog (2-23-54 Schlumberger)
GR-CNLI (8-25-86 Dresser Atlas)
GR-VDR-CBL (8-25-86 Dresser Atlas)

CORES, DST'S or MUD LOGS:

HYDROCARBON BEARING ZONE DEPTH TOPS:

CASING PROFILE

SURF. 8 5/8" - 28#, J-55 set @ 290' Cmt'd w/125 sxs - circ cmt to surf.

PROD. 5 1/2" - 14#, J-55 set @ 3472' Cmt'd w/400 sxs - TOC @ 2728' from surf by cement bond log.

LINER None

CURRENT PERFORATION DATA

CSG. PERFS:

3019', 22, 24, 26, 28, 30, 32, 34, 43, 45, 47, 49, 56,
59, 62, 70, 72, 74, 76, 82, 93, 97, 3102', 06, 09, 16, 27,
30, 38, 45, 51, 56, 65, 70, 76, 83, 90, 94, 3201', 03, & 10
w/ 2 spf (84 holes total)
3285' - 3302' & 3358 - 62' w/ 1 spf (21 holes total)

OPEN HOLE:

3472 - 3650'

TUBING DETAIL

4/5/1999

ROD DETAIL

Length (ft)

Detail

6.00 KB

2916.00 90 jts - 2 3/8" 4.7#, CL, J-55, 8rd EUE tbg.

3.00 1- 5 1/2" x 2 3/8" Baker Model AD-1 packer

2925.00 btm

WELL HISTORY SUMMARY

1-Mar-54 Initial completion interval: 3472 - 3575' (7 RVR/S/Queen OH). Natural completion.

IP= 51 boepd, 0 bwpd, & 72 Mcftgpd (flowing)

9-Sep-54 Frac w/ 4,000 gals lse oil & 4,000#s sand.

15-Jun-73 Placed well on rod pump.

8-Oct-74 C/O fill to 3575'. Jetwash OH 3472 - 3575'

11-Feb-75 Tagged for fill - No fill.

29-Aug-86 C/O OH 3480 - 3575' (95' fill). Deepened to 3650'. Ran CBL, TOC @ 2728'. Acdd'd OH (3472 - 3650') w/2,000 gals;

30-Sep-86 Frac w/34,000 gals X-L gel carrying 80,000#s 12/20 sand in 2 equal stages. Max sand concentration of 7 ppg. C/O to 3650'.
Perf (Jalmat) 3019 - 3210' w/ 2 spf, (84 holes total) & 3285 - 3362' w/ 1 spf (21 holes total). Acdd'd all open

perfs w/ 2,000 gals; Frac w/ 30,000 gals X-L gel carrying 50,000#s 12/20 sand in 2 equal stages using rock salt diversion. Max sand concentration 7 ppg. C/O to 3650'. Lost RBP in OH. Top @ 3530'.

CONVERTED TO COMINGLED DOWNHOLE INJECTOR. (Jalmat & Langlie Matix)

13-Feb-87 C/O OH fill from 3472 - 3524' (52' fill). PBTD @ 3524'.

9-Sep-87 C/O OH fill from 3495 - 3524' (29' fill). PBTD @ 3524'.

22-Jul-88 C/O OH fill from 3475 - 3524' (49' fill). PBTD @ 3524'.

15-Nov-93 Replaced 2 jts tbg & rod pmp. Placed well on production.

9-Jan-94 Ran 91 jts - 2 3/8" tbg & pkr. Set pkr @ 2956'.

5-Dec-94 LD rods & pmp (junk). C/O to 3524' (scale & formation) Tagged solid @ 3524'. Acdd'd perfs & OH w. 8,400 gals 20% NEFE HCL
mbred with 170 gals xylene using 5,600#s rock salt generating 8 stages. AIR=3 bpm PM=500 - 126 psi. ISIP = 280 psi,
P5min = vacuum. Ran 2 3/8" CL tbg & pkr. Set pkr @ 2956'. Inject @ 933 bwpd, TP=vacuum.

2-Apr-99 Reset pkr @ 2925'. Test csg & pkr @ 500 psi. OK. Initiate injection @ 580 bwpd, TP=580 psi.

14-Feb-02 Tag TD using SL unit (1 1/4" x 5' sinker bar). Tag fill @ 3524' (137' of fill)

PREPARED BY:

Larry S. Adams

D. Carrizales

UPDATED:

20-May-04