

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.	30-025-32856
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.	NM0321613
7. Lease Name or Unit Agreement Name	Cooper Jal Unit
8. Well Number	408
9. OGRID Number	193003
10. Pool name or Wildcat	JALMAT: Tansill, Yates & 7-Rivers; LANGLIE MATTIX: 7-Rivers, Queen & Grayburg

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 81401

4. Well Location

Unit Letter P : 1250 feet from the SOUTH line and 200 feet from the EAST line
Section 13 Township 24S Range 36E NMPM LEA County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3,340' 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:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: Deepen, DHC, Acidize and Fracture Stimulate. ☒

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: Deepen Jalmat producer and complete as DHC Jalmat/Langlie Mattix; acidize and fracture stimulate.

1. MIRU Pulling Unit. POOH with rods, pump and tubing string.
2. RIH with 4 1/4" bit & 6 - 3 1/2" drill collars on 2 7/8" work string.
3. Drill cement plug at 3,390', CIBP at 3,400' and drill cement to new PBTD at 3,765'. Lay down bit and drill collars.
4. RU Wireline Company. Perforate with 4" HSC gun 2 JHPF f/ 3,582' to 3,726' gross (Queen zone).
5. RIH w/ 5 1/2" RBP & Pkr. Straddle acidize perfs (3,582'-3,726' Gross) with 5,000 gallons 15% NEFE HCl acid.
6. Divert with ball sealers. POOH with 2 7/8" work string and lay down 5 1/2" RBP.
7. RIH with 5 1/2" treating packer on 3 1/2" work string and set at 3,500'.
8. Fracture stimulate Queen perfs (3,582'-3,726' gross) with 80,000# 12/20 mesh sand in one stage.
9. POOH and lay down 3 1/2" work string and packer.
10. Clean out frac sand in well to 3,760' with sand bailer on 2 7/8" work string. Lay down bailer and 2 7/8" work string.
11. RIH 2 7/8" production string, pump and rods. Place well on production. Turn over to operations.
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 Canales TITLE Senior Petroleum Engineer DATE 12/01/04

Type or print name
For State Use Only

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

APPROVED BY: Paul J. [Signature] TITLE PETROLEUM ENGINEER
Conditions of Approval (if any):

DATE
DEC 13 2004

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

Surface Csg

Hole Size: 12 1/4 in
Csg. Size: 8 5/8 in
Set @: 392 ft
Sxs Cmt: 250
Circ: Yes
TOC @: surf
TOC by: circ

TOC @ 465'
by TS

3046'-54'

3074'-85'

3146'-50'

3154'-56'

3164'-68'

3284'-96'

3228'-36'

3102'-16'

Top of Fill
at 3370'
TOC @ 3390'
CIBP @ 3400'

3478'-92'

TOC @ 3725'

Production Csg.

Hole Size: 7 7/8 in
Csg. Size: 5 1/2 in
Set @: 3786 ft
Sxs Cmt: 1300
Circ: Yes
TOC @: 465 ft f/surf.
TOC by: TS

PBTD: 3725 ft
TD: 3800 ft

LEASE NAME

Cooper Jal Unit

WELL NO.

408

STATUS:

Active

Oil

API#

30-025-32856

LOCATION:

1250 FSL & 200 FEL, Sec 13, T - 24S, R - 36E; Lee County, New Mexico

SPUD DATE:

5/395

TD

3800

KB 3,330'

DF

INT. COMP. DATE:

5/29/1995

PBTD

3725

GL 3,316'

GEOLOGICAL DATA

ELECTRIC LOGS:

DLT-MSFL-CSL (5-8-95 Halliburton)
SDL-DSN-CSNG (8-9-94 Halliburton)

Temperature Survey (8-10-94 Halliburton)

CORES, DSTS or MUD LOGS:

HYDROCARBON BEARING ZONE DEPTH TOPS:

Yates: 3,030'

7-Rivers: 3,239'

Queen: 3,682'

CASING PROFILE

SURF. 8 5/8" - 24#, WC-50, ST&C set@ 392' Cmt'd w/250 sxs - circ cmt to surface.

PROD. 5 1/2" - 15.5#, WC-50, LT&C set@ 3786' Cmt'd w/1300 sxs - TOC @ 465' by Temperature Survey.

LINER. None

CURRENT PERFORATION DATA

CSG. PERFS:

3046 - 54', 3074 - 85', 3146 - 50', 3154 - 56', 3164 - 68',
& 3284 - 96' w/ 4 spf (224 holes total)
3228 - 3236', 3102 - 3116 w/ 4 spf (56 holes)

Isolated below CIBP @ 3400'
3478 - 92' w/4 spf (56 holes total)

OPEN HOLE :

TUBING DETAIL

6/4/04

ROD DETAIL

6/4/04

Length (ft)

Detail

0.00 KB
2927 93 2 7/8" 6.5#, J-55, 8rd EUE tbg.
3 1 5 1/2" x 2 7/8" TAC
372 12 2 7/8" 6.5#, J-55, 8rd EUE tbg.
1 1 2 7/8" SN
4 1 2 7/8" Perf Sub
33 1 3 1/2" Mud Anchor
3340 btm

Length (ft)

Detail

22 1 22" x 1 1/4" polish rod w/ 7/8" pin
0 1 1 1/4" x 1 1/2" x 14" liner
20 4 2 - 4", 2 - 6" 1" D pony rods
1000 40 1" D steel rods
975 39 7/8" D steel rods
1150 46 3/4" D steel rods
125 5 1 1/2" sinker bars
17 1 2 1/2" x 1 3/4" x 17" RHBC rod pump w/o RH release
0 1 1 1/4" x 16" gas anchor
3309 btm

SN@ 3302" TAC@ 2927"

WELL HISTORY SUMMARY

20-May-95 Initial completion: Perf'd 3478 - 92'. Acdd'd perfs w/2,000 gals & Frac'd w/35,000 gals XLG 2% KCL carrying 115,536#s sand. Pump tst 24 hours - 1 bo, 19 blw, & 4 Mcfg. Perf'd 3102 - 3116 w/ 4 spf (56 holes) Acdd'd perfs w/3,000 gals & Frac'd w/43,000 gals XLG 2% KCL carrying 200,000#s sand. Commingled all perfs - IP=68 bopd, 155 blw, & 17 Mcfgpd.
18-Sep-95 Changed out pump & tst tbg to 500 psi. Good tst.
15-Apr-96 Changed out pump, 14 - 1" rod boxes, 38 - 3/4" rod boxes, 27 - 7/8" rod boxes, 14 - 1" rod boxes, & 3 - 1" rods.
22-Jul-96 Set CIBP @ 3400' & dump 10' cmt on top. PBTD=3390'. Perf'd 3046 - 54', 3074 - 85', 3146 - 50', 3154 - 56', 3164 - 68', 3228 - 3236' & 3284 - 96' w/ 4 spf (224 holes total) Acdd'd perfs w/4,000 gals 15% NEFE HCL dropping 320 7/8" RCN ball sealers. AIR=10 bpm @ 1600 psi. ISIP=vacuum. After W/O: 25 bopd, 201 bwpd, & 5 Mcfgpd
06-Aug-97 C/O fill from 3335 - 3386' (51'). Changed out all rod boxes and rod pump.
05-Jan-00 Changed out rod pump.
16-Aug-01 Changed out MA, 15 - 3/4" rod boxes, 10 - 7/8" rod boxes, 10 - 1" rod boxes, and pump.
24-May-02 Pull sticking pump. Changed out pump.
05-Sep-02 Tally out of hole with tubing string. The bottom 5 jts pitted (bugs), hole on 5 fifth jt above SN. Hydrotest tubing in hole. Change pump & worn rod boxes.
02-Jan-03 Pulled tubing string. Hydrotest tubing in hole below slips, busted 8 jts. Change out pump.
04-Sep-03 POOH with rods, pump, and tubing. Hydrotest tubing in hole - top joint had rod wear. RIH with rods and pump. Replaced 13 - 3/4", 12 - 7/8", and 7 - 1". Placed well on production.
26-Nov-03 POOH with rods, pump, and laid down tubing string. RIH with new 2 7/8" tubing, pump, and rods. Placed well on production. Changed out 26 - 1" boxes, 15 - 7/8" boxes, and 10 - 3/4" boxes due to wear.
21-Apr-04 Parted 2nd 1 1/4" K-Bar (box break) above pump. POOH with rods and pump. RIH with pump and rods. PWOP.
02-Jun-04 POOH with rods and pump. Scanalog tubing out of hole. Laid down 5 blue, 65 green, and 31 red band joints. RIH with new 2 7/8" tubing, tagged fill at 3370'. RIH with pump and rods. Upsized pump from 1 3/4" to 2". PWOP.

PREPARED BY:

Larry S. Adams

D. Carrizales

UPDATED:

01-Dec-04