

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 <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Injector <input type="checkbox"/>	
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 <input type="checkbox"/> or Closure <input type="checkbox"/>	
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 clean out well to 3,760'. Lay down bit and drill collars.
4. RU Wireline Company. Perforate with 4" HSC gun 2 JHPF f/ 3,285' to 3,554' gross (7-Rivers zone).
5. RIH with Perf-Clean Tool on 2 7/8" work string. Acidize perfs (3,285'-3,554' Gross) with 5,000 gallons 15% NEFE HCl acid.
6. POOH with 2 7/8" work string and lay down Perf-Clean Tool.
7. RIH with 5 1/2" treating packer on 3 1/2" work string.
8. Fracture stimulate 7-Rivers perfs (3,285'-3,554' 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 11/30/04

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

For State Use Only

APPROVED BY: Larry W. Wink TITLE FIELD REPRESENTATIVE II/STAFF MANAGER DATE DEC 13 2004

Conditions of Approval (if any):

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

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'

ELECTRIC LOGS:

DLT-MSFL-CSL (5-8-95 Halliburton)

SDL-DSN-CSNG (8-9-94 Halliburton)

Temperature Survey (8-10-94 Halliburton)

CORES, DST'S or MUD LOGS:

Not Listed

HYDROCARBON BEARING ZONE DEPTH TOPS:

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:

OPEN HOLE :

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)

TUBING DETAIL

6/4/04

ROD DETAIL

6/4/04

Length (ft)

Detail

Length (ft)

Detail

0.00 KB

22

1

22' x 1 1/4" polish rod w/ 7/8" pin

2927 93

0

1

1 1/4" x 1 1/2" x 14' liner

3 1

20

4

2 - 4', 2 - 6' 1" D ponyrods

372 12

1000

40

1" D steel rods

1 1

975

39

7/8" D steel rods

4 1

1150

46

3/4" D steel rods

33 1

125

5

1 1/2" sinker bars

3340 btm

17

1

2 1/2" x 1 3/4" x 17' RHBC rod pump w/o RH release

SN@ 3302" TAC@ 2927"

3309

1

1 1/4" x 16' gas anchor

0

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WELL HISTORY SUMMARY

20-May-95 Initial completion: Perfd 3478 - 92'. Aodzd 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 Mfg. Perfd 3102 - 3116 w/ 4 spf (56 holes) Aodzd 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 Mfgpd.

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 CBP @ 3400' & dump 10' cmt on top. PBTD=3390'. Perfd 3046 - 54', 3074 - 85', 3146 - 50', 3154 - 56', 3164 - 68', 3228 - 3236' & 3284 - 96' w/ 4 spf (224 holes total) Aodzd perfs w/4,000 gals 15% NEFE HCL dropping 320 7/8" RCN ball sealers. AR=10 bpm @ 1600 psi. ISIP=vacuum. Alter WO: 25 bopd, 201 bwpd, & 5 Mfgpd

08-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 fts pitted (bugs), hole on 5 fifth ft 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 fts. Change out pump.

04-Sep-03 POOH with rods, pump, and tubing. Hydrotest tubing in hole - top joint had rod wear. RH 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. RH 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 (boxbreak) above pump. POOH with rods and pump. POOH with rods 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. RH with new 2 7/8" tubing, tagged fill at 3370'. RH with pump and rods. Upsized pump from 1 3/4" to 2". PWOP.

PREPARED BY:

Larry S. Adams

D. Carrizales

UPDATED:

14-Jun-04