

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
Revised June 10, 2003

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-025-32571
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No. 141560
7. Lease Name or Unit Agreement Name COOPER JAL UNIT
8. Well Number 414
9. OGRID Number 022351
10. Pool name or Wildcat LANGLIE MATTIX: 7RVRS, QUEEN; JALMAT: TANSILL, YATES, 7RVRS

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

2. Name of Operator
SDG Resources L. P.

3. Address of Operator
P. O. Box 1390
Montrose, CO 81402

4. Well Location

Unit Letter O : 330 feet from the SOUTH line and 2550 feet from the EAST line

Section 24 Township 24-S Range 36-E NMPM LEA County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
GR-3312', KB-3324'

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 COMPLETION ☐

OTHER: Re-enter and complete in L. M. ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND 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.

Open Langlie Mattix Zone (3357'-3617') and down hole commingle with Jalmat Zone (3028'-3174').

1. RIH with 4 3/4" bit and 6 - 4 3/4" drill collars on 2 7/8" tubing work string.
2. Drill cement at 3265', CIBP at 3300', and clean down to 3620'.
3. POOH and lay down 2 7/8" tubing, 6 - 4 3/4" drill collars, and 4 3/4" bit.
4. RIH with 2 7/8" production tubing, sucker rod pump, and fiber glass rod string.



DHC-1033

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Domingo Carrizales TITLE Sr. Petroleum Engineer DATE 2/06/04

Type or print name Domingo Carrizales E-mail address: domingo@sdgresources.com Telephone No. 432-550-7580
(This space for State use)

APPROVED BY Ray W. Wink TITLE OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE FEB 10 2004
Conditions of approval, if any:

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

LEASE NAME

Cooper Jaf Unit

WELL NO.

414

STATUS:

Active

Oil

API#

30-025-32571

LOCATION:

330 FSL & 2550 FEL, Sec 24, T - 24S, R - 36E, Lee County, New Mexico

SPUD DATE:

08/21/94

TD

3750

KB

3,324'

DF

INT. COMP. DATE:

10/01/94

PBTD

3620

GL

3,312'

GEOLOGICAL DATA

ELECTRIC LOGS:

GR-LDT - CNL - CSNG from 3750 - surface (8-30-95 Halliburton)

GR-DLL - MSFL - CSL (8-30-95 Halliburton)

GR-CSL from 3750 - 2700' (8-30-95 Halliburton)

CORES, DST'S or MUD LOGS:

HYDROCARBON BEARING ZONE DEPTH TOPS:

Tansill @ 2927'

Yates @ 3020'

Seven Rivers @ 3245'

Queen @ 3664'

CASING PROFILE

SURF. 8 5/8" - 24#, CF-50, ST&C set@ 430'. Cmt'd w/250 sxs - circ cmt to surface.

PROD. 5 1/2" - 15.5#, CF-50, LT&C set@ 3750' Cmt'd w/890 sxs - circ cmt to surface.

LINER: None

CURRENT PERFORATION DATA

OPEN HOLE :

3028 - 36', 3042 - 3050', 3059 - 3084', 3100 - 13', w/4 spf (232 holes total)

3146 - 3174' w/ 4 spf (112 holes total)

Isolated by CIBP @ 3300':

3357 - 62', 3479 - 87', 3507 - 13', 3527 - 39', 3610 - 17' w/ 2 spf (76 holes total)

TUBING DETAIL

6/12/99

ROD DETAIL

5/31/03

Length (ft)

Detail

Length (ft)

Detail

0.00 KB

2967.00 95 jts - 2 7/8" 6.5#, J-55, 8rd EUE tbq.

3.00 1 - 5 1/2" x 2 7/8" TAC

218.00 7 jts - 2 7/8" 6.5#, J-55, 8rd EUE tbq.

1.00 1 - 2 7/8" SN

(*) 1 - 2 7/8" Mud Anchor

3189.00 btm

26 1 - 26' x 1 1/4" polish rod w/14' x 1 1/2" liner

12 2 - 6' 1" pony rods

875 36 - 1" rods

1025 40 - 7/8" rods

1000 41 - 3/4" rods

200 8 - Sinker K-Bars

18 2 1/2" x 1 1/2" X 18' RHBC rod pump

0 1 1/4" x 16 gas anchor

3156 btm

SN@ 3188' TAC@ 2967'

(*) length not listed in description.

WELL HISTORY SUMMARY

1-Oct-94 Perf'd 3357 - 62', 3479 - 87', 3507 - 13', 3527 - 39', 3610 - 17' w/ 2 spf (76 holes total). Frac'd w/29,000 gals XLG 2% KCL carrying 136,000#s 16/30 brady sand. Perf'd 3146 - 3174' w/ 4 spf (112 holes total). Frac'd w/ 43,000 gals XLG 2% KCL carrying 220,000#s 12/20 sand. AIR=10 bpm @ 2000 psi. ISIP=930 psi. Commingled all perfs - IP=52 bopd, 321 bwpd, & 54 Mcfgpd.

7-Nov-94 Changed out rod pump.

18-Oct-95 Changed out rod pump.

16-Sep-96 Perf'd 3028 - 36', 3042 - 3050', 3059 - 3084', 3100 - 13', w/4 spf (232 holes total). Add'd w/4,000 gals 15% NEFE HCL w/300 ball sealers.

AIR=6.8 bpm @ 1800 psi. ISIP=1000 psi, P15min=50 psi. C/O fill from 3280 - 3622'. After WO: 34 bopd, 485 bwpd, & 69 Mcfgpd.

22-Nov-96 Set CIBP @ 3300' & dumped 35' of cmt on top. PBTD=3265'. After WO: 34 bopd, 485 bwpd, & 69 Mcfgpd.

12-Jun-99 C/O fill to 3265'. Changed out pump, 32-3/4" rod boxes, 24-7/8" rod boxes and 4-1" rod boxes.

1-Oct-02 Changed out rod pump & worn rods.

31-May-03 POOH with rods, pump, and tubing. Hydrotest tubing in hole to 7300# - busted 2 joints. Found hole 11 joints above SN.

RIH with pump and rods changing out couplings, changed out 8 - 3/4", 7 - 7/8", & 6 - 1" rods. Placed well on production.

Surface Csg

Hole Size: 12 1/4 in

Csg. Size: 8 5/8 in

Set @: 430 ft

Sxs Cmt: 250

Circ: Yes

TOC @: surf

TOC by: circ

Production Csg.

Hole Size: 7 7/8 in

Csg. Size: 5 1/2 in

Set @: 3750 ft

Sxs Cmt: 890

Circ: Yes

TOC @: surface

TOC by: circ.

PBTD: 3620 ft

TD: 3750 ft

PREPARED BY:

Larry S. Adams

D. Carrizales

UPDATED:

31-May-03