

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

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.)		WELL API NO. 30-025-33459
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☒
2. Name of Operator SDG Resources L. P.		6. State Oil & Gas Lease No. NM 12612
3. Address of Operator P. O. Box 1390 Montrose, CO 81402		7. Lease Name or Unit Agreement Name NM 70926X
4. Well Location Unit Letter <u>J</u> ; <u>1575</u> feet from the <u>SOUTH</u> line and <u>2525</u> feet from the <u>EAST</u> line Section <u>24</u> Township <u>24S</u> Range <u>36E</u> NMPM LEA County		8. Well Number Cooper Jal Unit #421
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,335' KB		9. OGRID Number 193003
Pit or Below-grade Tank Application ☒ or Closure ☐		10. Pool name or Wildcat JALMAT: Tansill, Yates & 7-Rivers
Pit type <u>DIRT</u> Depth to Groundwater <u>130</u> feet Distance from nearest fresh water well <u>>1000</u> feet Distance from nearest surface water <u>>1000</u> feet Pit Liner Thickness: <u>12</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:

- PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
OTHER: Perf Langlie Mattix, Acid & Frac Stim. **PIT REQUEST!** ☒

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: Perforate Langlie Mattix and complete as DHC (Jalmat/Langlie Mattix); acidize, and fracture stimulate.

- MIRU Pulling Unit. POOH with rods, pump and tubing string. NU BOP.
- RIH w/ 4 3/4" bit & 6 - 3 1/2" drill collars on 2 7/8" work string. Drill cement and clean out to 3,770'.
- Lay down bit & drill collars.
- Perf Yates (3024'-3040' & 3044'-52'), 7-Rivers (3452'-59', 3483'-93', 3512'20', 3532'-46' & 3586'-88'), and Queen (3616'-22', 3636'-38', 3654'-56', 3674'-94', 3705'-08', 3716'-24' & 3741'-48') 180 degree phasing, 2 JHPF, using 4" HSC gun. RD Wireline.
- RIH with 5 1/2" Frac packers on 3 1/2" work string.
- Acidize perfs: Queen (3616'-3748'), 7-Rivers (3452'-3588') with 2,000 gallons 15% NEFE HCl acid.
- Fracture stimulate Langlie Mattix Queen (3452'-3748') & 7-Rivers (3452'-3588') w/ 75,000 12/20 mesh sand.
- POOH and lay down 3 1/2" work string and packer.
- Clean out well to new TD with sand bailer on 2 7/8" work string. Lay down bailer and 2 7/8" work string.
- RIH 2 7/8" production string, pump and rods. Place well on production. Turn over to operations.
- Fold Pit Liner inward, cover with 20 mil liner and cover with top soil. File Form C144 with NMOC.

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 NMOC guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Domingo Arizales TITLE Senior Petroleum Engineer DATE 9/20/05

Type or print name
For State Use Only

E-mail address: domingo@sdgresources.com Telephone No. 432-580-8500

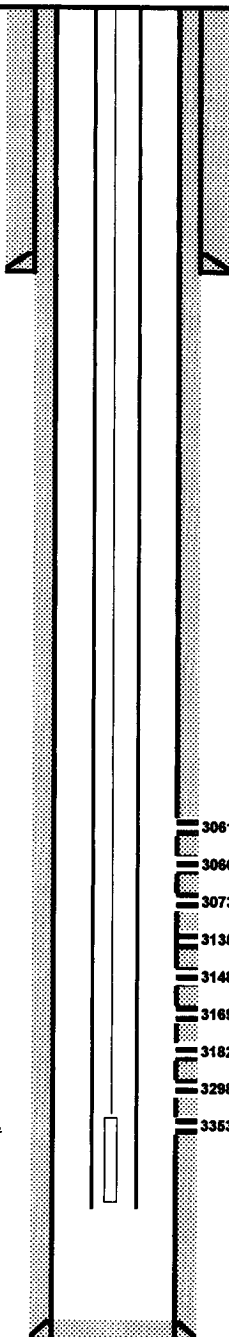
APPROVED BY: [Signature] TITLE PETROLEUM ENGINEER DATE SEP 26 2005
Conditions of Approval (if any):

Conditions of approval: Approval to do work to the Grayburg, but CANNOT produce Downhole commingled until DHC is approved from Santa Fe.

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

Surface Csg
Hole Size: 12 1/4 in
Csg. Size: 8 5/8 in
Set @: 404 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 @: 3800 ft
Sxs Cmt: 1150
Circ: Yes
TOC @: surface
TOC by: circ

PBTD: 3688 ft
TD: 3800 ft

LEASE NAME

Cooper Jal Unit

WELL NO.

421

STATUS: Active Oil

API# 30-025-33459

LOCATION: 1575 FSL & 2525 FEL, Sec 24, T - 24S, R - 36E; Lee County, New Mexico

SPUD DATE: 06/27/96 TD 3800 KB 3335' DF

INT. COMP. DATE: 08/11/96 PBTD 3688 GL 3,318'

GEOLOGICAL DATA

ELECTRIC LOGS:
MSFL-DLL-BHR-GR from 3794 - 2750' (8-2-96 Schlumberger)
LTD-CNL-NGT from 3794 - 200' (8-2-96 Schlumberger)
GR-CCL (8-6-96 Schlumberger)

CORES, DST'S or MUD LOGS:

HYDROCARBON BEARING ZONE DEPTH TOPS:

Not Listed

CASING PROFILE

SURF. 8 5/8" - 24#, WC-50, ST&C set@ 404'. Cmt'd w/250 sxs - circ cmt to surface.

PROD. 5 1/2" - 15.5#, WC-50, LT&C set@ 3800' Cmt'd w/1150 sxs - circ cmt to surface.

LINER. None

CURRENT PERFORATION DATA

CSG. PERFS:

OPEN HOLE :

3061 - 63', 3066 - 68', 3073 - 3090',
3135 - 38', 3148 - 54', 3169 - 72',
3182 - 84', 3298 - 3308', & 3353 - 56' w/ 4 spf (192 holes total)

TUBING DETAIL

7/27/04

ROD DETAIL

7/27/04

Length (ft)	Detail	Length (ft)	Detail
0	KB	18	1 26' x 1 1/4" spray metal PR w/ 1" pin
2986	95 2 7/8" 6.5#, J-55, 8rd EUE tbg.	18	3 4, 6', 8' - 7/8" pony rods
3	1 5 1/2" x 2 7/8" TAC	925	37 7/8" steel rods
411	13 2 7/8" 6.5#, J-55, 8rd EUE tbg.	2225	89 89 - 3/4" rods
31	1 2 7/8" blast joint	200	8 1 1/2" K bars
1	1 2 7/8" SN	20	2 1/2" x 1 1/2" X 20' rod pump w/ RH release
8	1 2 7/8" Sand Screen	10	1 1/4" x 16' gas anchor
32	1 2 7/8" BP Mud Anchor	3416	btm
3472	btm		

SN@ 3431' TAC@ 2986'

WELL HISTORY SUMMARY

12-Dec-96 Ran GR-CCL from 3684-2684'. Perf'd 3061-63', 3066-68', 3073-3090', 3135-38', 3148-54', 3169-72', 3182-84', 3298-3308', & 3353-56' w/4 spf (192 holes total). Frac w/ 52,000 gals 30# borate XL 2% KCL carrying 268,000#s 12/20 brady sand. Pump tst 24 hrs - 27 bopd, 113 bwppd, 43 Mcf/gpd.
3-Jul-97 C/O fill from 3482 - 3630' (148'). Returned to production
13-Feb-98 Changed out TAC, SN and rod pump.
18-Jan-99 Changed out 10 - 3/4" rod boxes, 10 - 7/8" rod boxes and rod pump.
5-Jan-00 Changed out MA and pump.
19-Jan-04 POOH with rods and pump. RIH with upsized pump(1 1/4" to 1 1/2") and rods. PWOP
26-Jul-04 POOH with rods and pump. Scanaloged tubing out of hole: 16 yellow, 67 blue, 10 green (31% to 40% wall loss), 8 green (41% to 50% wall loss), and 6 red. RIH with 1 blast jt, 13 yellow band, TAC, 3 yellow, 67 blue, 11 double band, and 14 single band tubing. Tagged bottom at 3590'. RIH with pump and rods. PWOP.

PREPARED BY:

Larry S. Adams

D. Carrizales

UPDATED:

30-Jul-04