

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.	30-025-33458
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	NM 12612
7. Lease Name or Unit Agreement Name	NM 70926X
8. Well Number	Cooper Jal Unit #420
9. OGRID Number	193003
10. Pool name or Wildcat	JALMAT: Tansill, Yates & 7-Rivers

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"/>	
2. Name of Operator	SDG Resources L. P.
3. Address of Operator	P. O. Box 1390 Montrose, CO 81402
4. Well Location	Unit Letter <u>G</u> ; <u>2310</u> feet from the <u>NORTH</u> line and <u>2310</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.) 3,313' KB	
Pit or Below-grade Tank Application <input checked="" type="checkbox"/> or Closure <input type="checkbox"/>	
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:		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: Perf Langlie Mattix, Acid & Frac Stim. PIT REQUEST! <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: Perforate Langlie Mattix and complete as DHC (Jalmat/Langlie Mattix); acidize, and fracture stimulate.

1. MIRU Pulling Unit. POOH with rods, pump and tubing string. NU BOP.
2. RIH w/ 4 3/4" bit & 6 - 3 1/2" drill collars on 2 7/8" work string. Drill CIBP at 3690' and cement to 3,770'.
3. Lay down bit & drill collars.
4. Perf Yates (3032'-3043', 37'-41' & 3070'-75'), 7-Rivers (3479'-86', 3502'-12' & 3528'-38'), and Queen (3610'-18', 3664'-71' & 3730'-40') 180 degree phasing, 2 JHPF, using 4" HSC gun. RD Wireline.
5. RIH with 5 1/2" Frac packers on 3 1/2" work string.
6. Acidize perfs: Queen (3616'-3748'), 7-Rivers (3452'-3588') with 2,000 gallons 15% NEFE HCl acid.
7. Fracture stimulate Langlie Mattix Queen (3610'-3740') & 7-Rivers (3479'-3538') w/ 75,000 12/20 mesh sand.
8. POOH and lay down 3 1/2" work string and packer.
9. Clean out well to new TD with sand bailer on 2 7/8" work string. Lay down bailer and 2 7/8" work string.
10. RIH 2 7/8" production string, pump and rods. Place well on production. Turn over to operations.
11. 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 Carrizales TITLE Senior Petroleum Engineer DATE 9/27/05

Type or print name
For State Use Only

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

APPROVED BY: Hayward Wink TITLE _____ DATE _____
Conditions of Approval (if any) _____

OCD FIELD REPRESENTATIVE II/STAFF MANAGER

SEP 28 2005

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

Surface Csg
 Hole Size: 12 1/4 in
 Csg. Size: 8 5/8 in
 Set @: 432 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 @: 3825 ft
 Sxs Cmt: 1150
 Circ: Yes
 TOC @: surface
 TOC by: circ

PBTD: 3732 ft
 TD: 3824 ft

Cooper Jal Unit

WELL NO. 420

LEASE NAME: TA'd (10-1-98) Oil
 LOCATION: 2310 FNL & 2310 FEL, Sec 24, T - 24S, R - 36E, Lee County, New Mexico
 SPUD DATE: 07/16/96 TD 3824 KB 3,329 DF
 INT. COMP. DATE: 08/07/96 PBTD 3732 GL 3,313

GEOLOGICAL DATA

ELECTRIC LOGS:
 PE,CNL,LDT,ML, SFL, BCS, & GR (7-25-96 Schlumberger)
 GR-CCL from 3730 - 2730' (8-1-96 Schlumberger)

CORES, DSTS or MUD LOGS:

HYDROCARBON BEARING ZONE DEPTH TOPS:

Tansil @ 2875' Yates @ 3025 Seven Rivers @ 3248' Queen @ 3630'

CASING PROFILE

SURF. 8 5/8" - 24#, WC-50, ST&C set@ 432' Cmt'd w/250 sxs - circ cmt to surface.
 PROD. 5 1/2" - 15.5#, WC-50, LT&C set@ 3825' Cmt'd w/1150 sxs - circ cmt to surface.
 LINER. None

CURRENT PERFORATION DATA

CSG. PERFS: 3050 - 56', 3068 - 90', 3108 - 3111', 3150 - 56', 3191'-94', 3230'-34', 3294'-3304', 3358'-62', w/ 4 spf (232 holes) OPEN HOLE :

TUBING DETAIL 7/14/2004

Length	Detail
3033	94 2 7/8" J-55, 6.5#, Supermax tbg
3	1 2 7/8" x 5 1/2" TAC w/cross overs
374	12 2 7/8" J-55, 6.5#, Supermax tbg
28	1 2 7/8" x 3 1/2" blast joint w/cross overs
23	1 2 7/8" x 23.39' Working Barrel
1	1 2 7/8" SN
4	1 2 7/8" Perf Sub
31	1 2 7/8" MAJ Open Ending
3497	

ROD DETAIL 7/14/2004

Length	Detail
16	1 1 1/4" x 22 w/ 7/8" Pin
0	1 1/4" x 1 1/2" x 14' liner
12	1 2', 4', 6' - 1" pony rods
1300	52 1" steel rods
1300	52 7/8" steel rods
775	31 3/4" steel rods
225	9 1" steel rods
4	1 2 1/2" x 2 1/4" x 4" THBC Plunger
3632	

Note: The rod string is ~ 100' longer!

WELL HISTORY SUMMARY

01-Aug-96 Ran GR-CCL from 3730 - 2730'. Perf'd 3050'-56', 3068'-90', 3108'-3111', 3150'-56', 3191'-94', 3230'-34', 3294'-3304', 3358'-62', w/ 4 spf (232 holes). Attempted to frac w/ 51,000 gals 30# borate carrying 258,000#s 12/20 brady sand. Three pumps failed during the 10 ppg stage. Tagged with IR192. Only 140,000# sand entered formation.
 Pump test 24 hrs - 35 bopd, 263 bwpd & 33 mcfd.
 04-Jun-97 Converted well from PC pump system to rod pump system.
 30-Sep-98 L/D production equipment. Set CIBP @ 3000'. Displaced csg with packer fluid & tst to 500 psi. Well TA'd 10-1-98.
 14-Nov-03 RIH with Sand Line Drill Bailer and tagged CIBP at 2994'. Drilled out and pushed down CIBP to 3690'. RIH with 108 - 2 7/8" tubing string. RIH with 2 1/2" x 2 1/4" x 4' plunger and 135 steel rods. Placed well on production. Well test: 20 BOPD, 232 BWPd, & 12 MCFPD.
 15-Apr-04 POOH with rods, pump, and tubing. Hydrotest tubing in hole to 7,000#, found hole on the 74th joint. RIH with pump and rods. PWOP.
 12-Jul-04 POOH with rods and pump. Scanalog tubing out of hole. Found 1 yellow, 26 blue, 60 green, and 21 red due to pitting. RIH with Supermax (80) tubing Shut in due to defective collars. Finish running in hole with Supermax tubing. RIH with pump and rods. PWOP. Tagged fill at 3670'.



PREPARED BY:

Larry S. Adams

D. Carrizales

[UPDATED:

22-Jul-04]