

Submit 3 Copies To Appropriate District
Office
District I
4625 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.	30-025-32571
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	LC0325928
8. Well Number	Cooper Jal Unit #414
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 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>O</u> ; <u>330</u> feet from the <u>SOUTH</u> line and <u>2550</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.) 3,324' 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>	

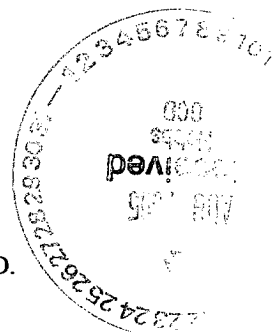
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

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: Clean out well to PBTD at 3665'. PIT PERMIT! <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: Clean out well to PBTD at 3665'.

1. MIRU Pulling Unit. POOH with rods, pump and tubing string.
2. RIH w/ notched collar 2 7/8" tubing.
3. Clean out to PBTD at 2665'.
4. POOH & lay down notched collar.
5. RIH 2 7/8" production string, pump and rods. Place well on production. Turn over to operations.
6. Fold Pit Liner inward, cover with 20 mil liner and cover with top soil. File Form C144 with NMOCD.



DHC-1033

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 Ayala TITLE Senior Petroleum Engineer DATE 8/22/05

Type or print name
For State Use Only
E-mail address: Domingo@sdgresources.com Telephone No. 432-580-8500

APPROVED BY: Gary W. Wink ORIGINAL SIGNED BY
GARY W. WINK
OC FIELD REPRESENTATIVE / STAFF MANAGER
DATE AUG 25 2005

Conditions of Approval (if any):

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC		LEASE NAME Cooper Jal Unit		WELL NO. 414																																																
<p>Surface Csg</p> <p>Hole Size: 12 1/4 in</p> <p>Csg. Size: 8 5/8 in</p> <p>Set @: 430 ft</p> <p>Sxs Cmt: 250</p> <p>Circ: Yes</p> <p>TOC @: surf</p> <p>TOC by: circ</p>		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 3265 GL 3,312'																																																		
		<p style="text-align: center;">ELECTRIC LOGS:</p> <p>GR-LDT - CNL - CSNG from 3750 - surface (8-30-95 Halliburton)</p> <p>GR-DLL - MSFL - CSL (8-30-95 Halliburton)</p> <p>GR-CSL from 3750 - 2700' (8-30-95 Halliburton)</p>																																																		
		<p style="text-align: center;">GEOLOGICAL DATA</p> <p style="text-align: right;"><u>CORES, DST'S or MUD LOGS:</u></p>																																																		
		<p style="text-align: center;">HYDROCARBON BEARING ZONE DEPTH TOPS:</p> <p>Tansill @ 2927'</p> <p>Yates @ 3020'</p> <p>Seven Rivers @ 3245'</p> <p>Queen @ 3664'</p>																																																		
		<p style="text-align: center;">CASING PROFILE</p> <p>SURF. 8 5/8" - 24#, CF-50, ST&C set@ 430'. Cmt'd w/250 sxs - circ cmt to surface.</p> <p>PROD. 5 1/2" - 15.5#, CF-50, LT&C set@ 3750' Cmt'd w/890 sxs - circ cmt to surface.</p> <p>LINER. None</p>																																																		
<p>Production Csg.</p> <p>Hole Size: 7 7/8 in</p> <p>Csg. Size: 5 1/2 in</p> <p>Set @: 3750 ft</p> <p>Sxs Cmt: 890</p> <p>Circ: Yes</p> <p>TOC @: surface</p> <p>TOC by: circ</p>		<p style="text-align: center;">CURRENT PERFORATION DATA</p> <p>CSG. PERFS: OPEN HOLE:</p> <p>3028 - 36', 3042 - 3050', 3059 - 3084', 3100 - 13', w/4 spf (232 holes total)</p> <p>3146 - 3174' w/ 4 spf (112 holes total)</p> <p>3357 - 62', 3479 - 87', 3507 - 13', 3527 - 39', 3610 - 17' w/ 2 spf (76 holes total)</p>																																																		
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: left;">TUBING DETAIL</th> <th colspan="2" style="text-align: left;">ROD DETAIL</th> </tr> <tr> <th style="text-align: left;">Length (ft)</th> <th style="text-align: left;">Detail</th> <th style="text-align: left;">Length (ft)</th> <th style="text-align: left;">Detail</th> </tr> </thead> <tbody> <tr> <td>12</td> <td>KB</td> <td>18</td> <td>1 26' x 1 1/4" polish rod</td> </tr> <tr> <td>3005</td> <td>96 2 7/8" 6.5#, J-55, 8rd EUE tbg.</td> <td>0</td> <td>1 1 1/4" x 1 1/2" x 14'</td> </tr> <tr> <td>3</td> <td>1 5 1/2" x 2 7/8" TAC w/18,000# Tension</td> <td>10</td> <td>2 2', 4', 4' x 1" pony rods</td> </tr> <tr> <td>540</td> <td>18 2 7/8" 6.5#, J-55, 8rd EUE tbg.</td> <td>1388</td> <td>37 1 1/4" Fiberglass rods</td> </tr> <tr> <td>1</td> <td>1 2 7/8" SN</td> <td>1925</td> <td>77 1" KD steel rods</td> </tr> <tr> <td>4</td> <td>1 2 7/8" Perf Sub</td> <td>175</td> <td>7 1 1/2" K Bar</td> </tr> <tr> <td>31</td> <td>1 2 7/8" BPMA</td> <td>1</td> <td>1 26K Shear Tool</td> </tr> <tr> <td>3596 btm</td> <td></td> <td>25</td> <td>1 1 1/2" K Bar</td> </tr> <tr> <td></td> <td></td> <td>20</td> <td>1 2 1/2" x 1 1/2" 20' RHBC pump 1 1/4" x 6' gas anchor</td> </tr> <tr> <td></td> <td></td> <td>3562 btm</td> <td></td> </tr> </tbody> </table>			TUBING DETAIL		ROD DETAIL		Length (ft)	Detail	Length (ft)	Detail	12	KB	18	1 26' x 1 1/4" polish rod	3005	96 2 7/8" 6.5#, J-55, 8rd EUE tbg.	0	1 1 1/4" x 1 1/2" x 14'	3	1 5 1/2" x 2 7/8" TAC w/18,000# Tension	10	2 2', 4', 4' x 1" pony rods	540	18 2 7/8" 6.5#, J-55, 8rd EUE tbg.	1388	37 1 1/4" Fiberglass rods	1	1 2 7/8" SN	1925	77 1" KD steel rods	4	1 2 7/8" Perf Sub	175	7 1 1/2" K Bar	31	1 2 7/8" BPMA	1	1 26K Shear Tool	3596 btm		25	1 1 1/2" K Bar			20	1 2 1/2" x 1 1/2" 20' RHBC pump 1 1/4" x 6' gas anchor			3562 btm	
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<p style="text-align: center;">WELL HISTORY SUMMARY</p> <p>1-Oct-94 Perfd 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# 16/30 brady sand. Perfd 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 Mcf/gpd.</p> <p>7-Nov-94 Changed out rod pump.</p> <p>18-Oct-95 Changed out rod pump.</p> <p>16-Sep-96 Perfd 3028 - 36', 3042 - 3050', 3059 - 3084', 3100 - 13', w/4 spf (232 holes total). Acct'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 Mcf/gpd.</p> <p>22-Nov-96 Set CIBP @ 3300' & dumped 35' of cmt on top. PBTD=3265'. After WO: 34 bopd, 485 bwpd, & 69 Mcf/gpd.</p> <p>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.</p> <p>1-Oct-02 Changed out rod pump & worm rods.</p> <p>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.</p> <p>4-Feb-04 Open Langite Matrix and downhole commingle with the Jalmat zone.</p> <p>4-Feb-04 POOH with rods and pump. Tagged bottom and tally out of hole. RIH with 4 3/4" bit and 6 3 1/2" drill collars 2 7/8" work string. Tagged at 3249', circulated down to 3306' - recovered frac sand and pieces of metal. Drilled CIBP and circulated out to 3713' - recovered iron sulfide, frac sand, and ball sealers. RIH with 2 7/8" production string and tagged at 3713'. RIH with plunger and rods. Not pumping on next day. Lowered and stacked out rods. POOH with rods and plunger. RIH with sand screen and gas anchor. Well would not pump. Swabbed well - recovered iron sulfide, powder sand, and frac sand. Well would not pump. RIH with insert pump. Placed on production.</p> <p>17-Feb-04 POOH with rods and pump. Dropped 2 1/2" standing valve w/ 1 1/4" x 3" sand screen. RIH with plunger and rods. Load well, had good pump action. Next day, well not pumping. POOH with rods, plunger, and standing valve. Changed out sand screen. RIH with 1 1/4" x 6' gas anchor and dropped standing valve. RIH with plunger and rods. Placed on production.</p> <p>29-Apr-04 POOH with rods (shear tool parted), pump and tubing. Hydrotest tubing in hole to 7,000# - busted 3 joints, found 2 joints with holes. RIH pump and rods. PWOP.</p> <p>25-Jun-04 POOH with rods and pump. Tagged at 3660', Scanalog out of hole. Found 6 yellow, 70 blue, 31 green, and 6 red. Scanlog showed 105 jts pitting and 8 jts with severe rod rod wear. RIH with new 38 new 2 7/8" tubing, 6 yellow ban and 70 blue ban. RIH with pump and rods. PWOP.</p> <p>18-Jul-05 POOH with rods, pump, and tubing. Hydrotest tubing in hole - found 1 hole 71 joints above SN. RIH with pump and rods. PWOP.</p> <p>1-Aug-05 Long stroked well. PWOP.</p>																																																				
<p>PREPARED BY: Larry S. Adams D. Carrizales</p> <p>UPDATED: 12-Aug-05</p>																																																				