

Submit To Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, 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 Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505		Form C-105 Revised June 10, 2003	
		WELL API NO. 30-025-32286		5. Indicate Type of Lease STATE ☐ FEE ☒	
		State Oil & Gas Lease No.		7. Lease Name or Unit Agreement Name Cooper Jal Unit	
WELL COMPLETION OR RECOMPLETION REPORT AND LOG					
1a. Type of Well: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER _____ b. Type of Completion: NEW ☐ WORK ☐ DEEPEN ☐ PLUG ☐ DIFF. ☐ WELL OVER BACK RESVR. ☐ OTHER Re-enter T&A Well				8. Well No. 403	
2. Name of Operator SDG Resources L. P.				9. Pool name or Wildcat LANGLEIE MATTIX: 7-Rivers, Queen; JALMAT: Tansil, Yates, 7-Rivers	
3. Address of Operator P. O. Box 1390 Montrose, CO 81402				10. Date Spudded 11/13/93 11. Date T.D. Reached 11/20/93 12. Date Compl. (Ready to Prod.) 2/11/94 13. Elevations (DF& RKB, RT, GR, etc.) 3308' G. L. 14. Elev. Casinghead	
4. Well Location Unit Letter <u>D</u> <u>150</u> Feet From The <u>NORTH</u> Line and <u>100</u> Feet From The <u>WEST</u> Line Section <u>19</u> Township <u>24-S</u> Range <u>37-E</u> NMPM LEA County					
15. Total Depth 3750'		16. Plug Back T.D. 3694'		17. If Multiple Compl. How Many Zones?	
18. Intervals Drilled By Rotary Tools Rotary Tools Cable Tools				19. Producing Interval(s), of this completion - Top, Bottom, Name Yates - 3008', Seven Rivers - 3234', Queen - 3585'	
20. Was Directional Survey Made NO				21. Type Electric and Other Logs Run GRN & Neutron Logs, GR-CCL	
22. Was Well Cored YES					
23. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24	400'	12 1/4"	250 sacks	
5 1/2"	15.5	3750'	7 7/8"	950 sacks	
24. LINER RECORD					
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	
25. TUBING RECORD					
SIZE	DEPTH SET	PACKER SET			
2 7/8"	3676'				
26. Perforation record (interval, size, and number) Queen: Perfs (3587'-3663') Seven Rivers: Perfs (3282'-3455') Yates: Perfs 3010'-3231'			27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 3010'-3663' No Stimulation		
28. PRODUCTION					
Date First Production November 18, 2002		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping - Sucker Rod Pump		Well Status (Prod. or Shut-in) PROD	
Date of Test November 25, 2002	Hours Tested 24 hours	Choke Size N/A	Prod'n For Test Period	Oil - Bbl 16	Gas - MCF 15
Flow Tubing Press.	Casing Pressure 15 psig	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl. 450
				Oil Gravity - API - (Corr.) 37.5	
29. Disposition of Gas (Sold, used for fuel, vented, etc.)					Test Witnessed By
30. List Attachments					
31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief					
Signature <u>Domingo Carrizales</u>			Printed Name Domingo Carrizales Title Sr. Petroleum Engineer Date 09/14/04 <u>KC</u>		
E-mail Address Domingo@sdgresources.com					

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates 3008'	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers 3234'	T. Devonian	T. Menefee	T. Madison
T. Queen 3585'	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Springs	T. Entrada	T.
T. Abo	T.	T. Wingate	T.
T. Wolfcamp	T.	T. Chinle	T.
T. Penn	T.	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....3010'.....to..... 3231'.....

No. 3, from.....3587'to...3663'

No. 2, from.....3282'to.3555'.....

No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

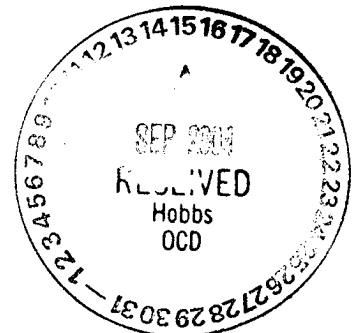
No. 1, from... Water sands were not apparent while drilling with Rotary. feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology



WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

LEASE NAME

Cooper Jal Unit

WELL NO.

403

STATUS: Active (11-16-98) Oil

API# 30-025-32286

LOCATION: 150 FNL & 100 FWL, Sec 19, T. 24S, R. - 37E, Lee County, New Mexico

SPUD DATE: 11/13/93 TD 3750

KB 3,319' DF

INT. COMP. DATE: 02/11/94 PBTD 3694

GL 3,308'

ELECTRIC LOGS:

GR-DLL-MSFL (11-20-93 Halliburton)
 GR-SDL-DSN-CSNG (11-20-93 Halliburton)
 GR-FWS (11-20-93 Halliburton)
 Computer Analyzed Log (11-20-93 Halliburton)
 GR-CCL (11-28-93 Halliburton)
 GR-CCL (10-9-97 Schlumberger)

GEOLOGICAL DATA

CORES, DST'S or MUD LOGS:

Core 1: 2995 - 3055' (60' recovery)
 Core 2: 3055 - 3115' (60' recovery)
 Core 3: 3115 - 3175' (60' recovery)
 Core 4: 3175 - 3225' (60' recovery)

HYDROCARBON BEARING ZONE DEPTH TOPS:

Yates @ 3008'
 Seven Rivers @ 3234'
 Queen @ 3641'

CASING PROFILE

SURF. 8 5/8" - 24#, WC-50, ST&C set @ 400' Cmt'd w/250 sxs - circ cmt to surface

PROD. 5 1/2" - 15.5#, WC-50, LT&C set @ 3750' Cmt'd w/950 sxs - circ cmt to surface

LINER. None

CURRENT PERFORATION DATA

CSG. PERFS:

3010 - 21', 3024 - 40', 3051 - 80', 3091 - 3109',
 3119 - 21', 3126 - 29', 3139 - 44', 3148 - 50', 3153 - 55',
 3157 - 62', 3178 - 80', 3212 - 18', 3228 - 31', 3282 - 87'
 & 3290 - 92' w/ 2 spf (222 holes total)

OPEN HOLE:

3450 - 58', 3480 - 92', 3501 - 11', 3541 - 43',
 3553 - 55', 3587 - 91', 3625 - 27', 3644 - 51'
 & 3655 - 63' w/ 2 spf (110 holes total)

TUBING DETAIL

5/27/2004

ROD DETAIL

5/28/2004

Length (ft)	Detail
10	KB
2872	90 2 7/8" J-55 6.5# 8rd tubing
3	1 5 1/2" x 2 7/8" TAC
752	24 2 7/8" J-55 6.5# 8rd tubing
1	1 2 1/2" SN
8	1 2 7/8" SS Well Screen
30	1 Perf. Sub. And MAJ
3676	

Length (ft)	Detail
14	1 1/4" x 26' PR w/ 7/8" pin
0	1 1/4" x 1 1/2" x 14' liner
4	1 7/8" pony rod
16	1 8", 8", 7/8" pony rod
1575	42 1" Fiber Glass Rods
1525	61 7/8" rods
425	17 1 1/2" K-Bars
1	1 21K Sheer Tool
25	1 1 1/2" K-Bar
20	1 2 1/2" x 2" x 20' RWBC Pump
3605	

WELL HISTORY SUMMARY

24-Nov-93 Initial completion: Perf'd 3450 - 58', 3480 - 92', 3501 - 11', 3541 - 43', 3553 - 55', 3587 - 91', 3625 - 27', 3644 - 51', & 3655 - 63' w/ 2 spf. (110 holes total) Frac'd w/29,000 gals XLG 2% KCL carrying 136,000#s 16/30 brady sand. Pump test 24 hours - 1 BOPD, 114 BWPD, and 24 MCFPD. Perf'd 3010 - 21', 3024 - 40', 3051 - 80', 3091 - 3109', 3119 - 21', 3126 - 29', 3139 - 44', 3148 - 50', 3153 - 55', 3157 - 62', 3178 - 80', 3212 - 18', 3228 - 31', 3282 - 87' & 3290 - 92' w/ 2 spf (222 holes total). Frac'd w/43,000 gals XLG 2% KCL carrying 220,000# 12/20/ sand. Pump test 24 hours - 32 bopd, 183 bwpd, & 11 Mcfcpd. Commingled all perfs - IP=33 bopd, 267 bwpd, & 23 MCFPD.

05-Jan-94 NMOC Potential test: 32 bopd, 183 bwpd, & 11 Mcfcpd

29-Apr-94 Replaced rod pump.

21-May-94 Replaced rod pump.

03-Mar-94 Replaced rod pump. Tst tbg. Good tst.

16-Aug-94 C/O 30' of fill. Replaced rod pump.

21-Jan-95 Repaired rod part - replaced rod pump, 47 - 3/4" boxes, 40 - 7/8" boxes, & 36 - 1" boxes. Tst tbg. Good tst.

23-Sep-96 Repaired rod part - replaced rod pump and 6 - 3/4" rods.

10-Oct-97 Set CIBP @ 3420' & dump'd 35' of cmt on top. TOC @ 3385'. Repaired rod part - replaced rod pump and ran new string of rods.

12-Nov-98 Set CIBP @ 2950' & dump'd 35' of cmt on top. TOC @ 2915'. Displaced csg with pkr fluid & tst csg to 550 psi. Good tst. Well TA'd 11-16-98.

11-Nov-02 Re-enter T/A'd Well. RIH with 4 3/4" bit and 6 - 2 1/2" Drill Collars on 2 7/8" tubing. Tagged cement at 2933'. Test casing to 550# - held. Drilled cement and CIBP at 3048'. Tagged cement of second plug at 3382', drilled cement and CIBP at 3421'. Drilled and pushed CIBP to 3696' circ. well clean. 2790 blts of water to complete job. Used 5 gallons Corrosion inhibitor, and ran production equipment. Status change: T/A'd to producing!

18-Nov-02 Lay 1150' of 2" poly flowline from CJU #403 to CJU #202 and tie in.

27-Dec-02 POOH with rods and pump. Pump was stuck. POOH with 2 7/8" tubing. Bailed out sand to 3685'. RIH with production string.

08-Jan-03 POOH with rods, pump, and 101 - 2 7/8" tubing. Changed out pump. Placed well on production.

23-May-03 R/P body break 114 rods from surface. Change rd design to reduce rod load & slow dn unit spm. Pump was good.

29-Jul-03 POOH with rods, pump, and tubing. Changed out pump. Hydrotest tubing in hole - busted 3 joints. Tagged bottom at 3682', tally out of hole. RIH with pump, rods, and tubing. Added 13 joints to tubing string.

04-Dec-03 POOH and laid down sub pump. RIH with new 114 joints 2 7/8" tubing and tagged at 2704'. Set TAC with 12,000#. RIH with pump and rods. Placed well on production.

26-May-04 POOH with rods and pump. Tagged fill at 3696' and tally out of hole. Hydrotest tubing in hole to 7,000#. Set TAC with 16,000#. RIH with pump and rods. Laid down 6 joints due to outside corrosion. Changed out 12 - 7/8" & 18 - 3/4" boxes due to wear. PWOP.

Jalmat

Yates

3010'-21'

3024'-40'

3051'-80'

3091'-3109'

3119'-21'

3126'-29'

3139'-44'

3148'-50'

3153'-55'

3157'-62'

3178'-80'

3212'-18'

3228'-31'

7-Rivers

3282'-87'

3290'-92'

Langlie Mattix

3450'-58'

3480'-92'

3501'-11'

3541'-43'

3553'-55'

Queen

3587'-91'

3625'-27'

3644'-51'

3655'-63'

Surface Csg

Hole Size: 12 1/4 in
 Csg. Size: 8 5/8 in
 Set @: 400 ft
 Sxs Cmt: 600
 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: 950
 Circ: Yes
 TOC @: surface
 TOC by: circ

PBTD: 3694 ft
 TD: 3750 ft

PREPARED BY:

Larry S. Adams

D. Carrizales

UPDATED:

02/07/04

