

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. 30-025-32857 5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> State Oil & Gas Lease No.
WELL COMPLETION OR RECOMPLETION REPORT AND LOG		
1a. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____ b. Type of Completion: NEW <input type="checkbox"/> WORK <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/> PLUG <input type="checkbox"/> DIFF. <input type="checkbox"/> WELL OVER BACK RESVR. <input checked="" type="checkbox"/> OTHER Re-enter P&A Well		7. Lease Name or Unit Agreement Name Cooper Jal Unit
2. Name of Operator SDG Resources L. P.		8. Well No. 410
3. Address of Operator P. O. Box 1390 Montrose, CO 81402		9. Pool name or Wildcat LANGLIE MATTIX: Lower Queen
4. Well Location Unit Letter <u>F</u> : <u>1425</u> Feet From The <u>NORTH</u> Line and <u>1450</u> Feet From The <u>WEST</u> Line Section <u>24</u> Township <u>24-S</u> Range <u>36-E</u> NMPM LEA County		
10. Date Spudded 5/09/95	11. Date T.D. Reached 05/18/95	12. Date Compl. (Ready to Prod.) 5/20/04
13. Elevations (DF& RKB, RT, GR, etc.) 3324' G. L.		14. Elev. Casinghead
15. Total Depth 3940'	16. Plug Back T.D. 3940'	17. If Multiple Compl. How Many Zones?
18. Intervals Drilled By		19. Producing Interval(s), of this completion - Top, Bottom, Name Yates 3015', Seven Rivers 3222', Queen 3583' 3786-3940
20. Was Directional Survey Made NO		21. Type Electric and Other Logs Run GRN & Neutron Logs
22. Was Well Cored NO		
23. CASING RECORD (Report all strings set in well)		
CASING SIZE	WEIGHT LB./FT.	DEPTH SET
8 5/8"	24	423'
5 1/2"	15.5	3786'
24. LINER RECORD		
SIZE	TOP	BOTTOM
25. TUBING RECORD		
SIZE	DEPTH SET	PACKER SET
2 7/8"	1292'	
26. Perforation record (interval, size, and number) Queen: Open Hole 3786'-3940', Perfs (3585'-3656') Isolated Seven Rivers: Perfs 0.46" OD, (3334'-3585') Isolated; Yates: Perfs 0.46" OD, 3028'-3222' Isolated		
27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED Queen 3786'-3940' No Stimulation.		
28. PRODUCTION		
Date First Production May 13, 2004	Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping - Progressive Cavity Pump	Well Status (Prod. or Shut-in) Producer
Date of Test May 20, 2004	Hours Tested 24 hours	Choke Size N/A
Prod'n For Test Period	Oil - Bbl	Gas - MCF
Water - Bbl.	Gas - Oil Ratio	
Flow Tubing Press.	Casing Pressure 15 psig	Calculated 24-Hour Rate
Oil - Bbl.	Gas - MCF	Water - Bbl.
Oil Gravity - API - (Corr.)		
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 <u>Domingo Carrizales</u> Title <u>Sr. Petroleum Engineer</u> Date <u>07/19/04</u> E-mail Address <u>Domingo@sdgresources.com</u>		

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 3015'	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers 3222'	T. Devonian	T. Menefee	T. Madison
T. Queen 3583'	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.....3015'.....to..... 3220'.....

No. 3, from.....3583'.....to...3940'.....

No. 2, from.....3222'to.3580'.....

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

From	To	Thickness In Feet	Lithology

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

Surface Csg

Hole Size: 12 1/4 in
Csg. Size: 8 5/8 in
Set @: 400 ft
Sxs Cmt: 250
Circ: Yes
TOC @: surf
TOC by: circ

5 1/2" x 7/8" RHS TAC
at 1289'

5 1/2" Cup Type Pkr
at 3007'

2 7/8" tbg

Production Csg

Hole Size: 7 7/8 in
Csg. Size: 5 1/2 in
Set @: 3786 ft
Sxs Cmt: 1358
Circ: Yes
TOC @: surface
TOC by: circ

5 1/2" Lok-Set Pkr
at 3681'

Open Hole: 3786-3941 ft

TOP @ 1240'

EOT @ 1292'

TOC @ 2710'

3028'-34'

3040'-50'

3065'-80'

3102'-06'

3170'-73'

3207'-12'

3335'-40'

3486'-90'

3506'-11'

3585'-88'

3644'-55'

3681'-

3786'

Lower Queen

5-1/2" csg

3786'

3941'

3941'

3941'

3941'

3941'

3941'

3941'

3941'

3941'

3941'

3941'

3941'

3941'

3941'

LEASE NAME

Cooper Jal Unit

WELL NO.

410

STATUS:

Producing

Oil

LOCATION:

1425 FNL & 1450 FWL, Sec 24, T - 24S, R - 36E, Lee County, New Mexico

SPUD DATE:

05/09/95 TD

3786

KB

3,338'

DF

INT. COMP. DATE:

05/22/95 PBTD

3735

GL

3,324'

GEOLOGICAL DATA

ELECTRIC LOGS:
DLT-MSFL-STD (5-18-95 Halliburton)
CSL from 2700 - 3776' (5-18-95 Halliburton)
GR-CCL (5-21-95 Halliburton)

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 @ 423'. Cmt'd w/250 sxs - circ cmt to surface.

PROD. 5 1/2" - 15.5#, WC-50, LT&C set @ 3786' Cmt'd w/1358 sxs - circ cmt to surface.

LINER: None

CSG. PERFS:

OPEN HOLE:

3028 - 34', 3040 - 50', 3102 - 06', 3170 - 73', 3207 - 12',
3216 - 26', & 3335 - 40' 4 spf (200 holes total)
3065 - 3080 w/ 4 spf (64 holes total)
3486 - 90', 3506 - 11', 3585 - 88', 3644 - 55' w/4 spf (92 holes total)

TUBING DETAIL

3/21/2004

ROD DETAIL

3/21/2004

1232	38	2 7/8" J-55, 6.5#, 8rd Tbg	15	1	1 1/4" x 16' w/7/8" pin
1	1	2 7/8" x 3 1/2" Crossover	1225	49	1" Steel Rods w/ 87 Rod Guides
8	1	3 1/2" Lift Sub	49	1	Rotor
15	1	3 1/2" Stator	1289		
2	1	3 1/2" x 12" Tag Bar			
33	1	2 7/8" J-55, 6.5#, 8rd Tbg			
3	1	2 7/8" x 5 1/2" TAC RHR w/45 K shear pin			
1292					

Top of Pump (Stator) is at 1240'.

WELL HISTORY SUMMARY

22-May-95 Initial completion: Perf'd 3486 - 90', 3506 - 11', 3585 - 88', 3644 - 55' w/4 spf (92 holes total) Frac'd w/34,600 gals. XL borate gel carrying 142,000#s 20/40 brady sand. Pump tst for 23 hours: 15 bo, 39 blw, & 33 Mcf. Perf'd 3065 - 3080' w/ 4 spf (64 holes total). Frac'd w/43,000 gals. XLG 2% KCL carrying 216,000#s 12/20 sand. Commingled all perms - IP=31 bopd, 235 bwpd, & 47 Mcfgpd (pumping).

25-Jul-96 Set CIBP @ 3450' on WL & dump 10' cmt on top. PBTD=3440'. Perf'd 3028'-80', 3102'-73', 3207'-26', 3335'-40'. Acld'd perms 3102 - 3340' w/2000 gals 15% NEFE HCl & 200 7/8" RCN ball sealers. AIR - 9 BPM at 1170 psig. ISIP - vacuum. Acld'd perms 3028 - 3050' w/1300 gals 15% NEFE HCl & 110 7/8" RCN ball sealers. AIR - 9 BPM at 980 psig. at 980 psig. ISIP=430, P5min=vacuum. After WO: 15 bopd, 166 bwpd, & 12 Mcfgpd.

31-Aug-98 Set CIBP @ 3000'. Circ well with pkr fluid & tst csg to 500 psi. Good tst. Dmp 55' cmt on CIBP. TOC @ 2965'. Well TA'd 8-31-98.

28-Mar-01 Displaced wellbore with gelled brine. Spot 30 sxs cmt from 2965 - 2750' WOC. Tagged TOC @ 2710'. Spot 25 sxs cmt from 1400 - 1200'. WOC. Tagged TOC @ 1130'. Circulate 55 sxs from 475' to surface inside 5 1/2" casing. Cut off wellhead and cap 5 1/2" casing. Installed Dry hole marker & cleaned location. NMOCD notified - well P&A'd 3-28-2001.

20-Dec-03 Re-entered P&A'd Well. Drilled out cement plugs, CIBPs, and float shoe with 4 3/4" bit. Deepened from 3,786' to 3,940' TD. Swabbed test open hole. Swabbed from five hundred feet, fluid level didn't change, reported 168 bbls water. Ran sub pump on 2 3/8" tubing. Pump (set at 70 HZ) tare 3100 BFPD, fluid level dropped from 500' to 820'.

7-Jan-04 POOH with sub pump. Found water in both protectors and motors. Ran repaired pump in hole. Test: 3100 BWPD (1/8/04).

21-Jan-04 POOH with sub pump and took in for inspection. RIH with 5 1/2" Lock Set Pkr with a 20/64" choke to 3722'. Set pkr and released from pkr. RIH with sub pump to 3600', bottom of motor at 3702'. Placed on production.

12-Feb-04 POOH with sub pump and took in for inspection. POOH with Lock Set Packer and changed out choke to 16/64". Set packer at 3722', RIH with sub pump to 3600', bottom of motor at 3702'. Placed well on pump at 2100 BFPD.

2-Mar-04 POOH with sub pump and took in for inspection. RIH with sub pump to 3535', bottom of motor at 3648'. Placed on production at 2100 BFPD.

21-Mar-04 POOH with 2 3/8" tubing and sub pump. Redress sub pump and RIH. Good pump action. Clay/oil emulsion was plugging the pump.

13-May-04 POOH with 2 3/8" tubing and sub pump. POOH with packer and choke. RIH with 5 1/2" Lok-set Packer, 21 joints 2 7/8" plastic coated tubing and 5 1/2" Cup Type Packer. Set with 2 3/8" on/off tool. Bottom packer was set at 3681', top packer set at 3007'. RIH with 5 1/2" RHR Tubing Anchor Catcher, 1 joint 2 7/8" tubing, Stator, 39 joints 2 7/8" tubing. RIH with Rotor, 49 - 1" rods with rods guides. PWOP. IP: 2200 BWPD (5/20/04).

PREPARED BY:

Larry S. Adams

D. Carrizales

UPDATED:

20-Jul-04