

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.
30-025-09643

5. Indicate Type of Lease

STATE ☐ FEE ☒ ~~FEED~~

State Oil & Gas Lease No. NM0321613

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

7. Lease Name or Unit Agreement Name
LC0325928

2. Name of Operator

SDG Resources L. P.

8. Well No. Cooper Jal Unit # 130

3. Address of Operator

P. O. Box 1390
Montrose, CO 81402

9. Pool name or Wildcat JALMAT: Tansill, Yates & 7-Rivers; LANGLIE MATTIX: 7-Rivers & Queen

4. Well Location

Unit Letter K: 1650 Feet From The SOUTH Line and 1650 Feet From The WEST Line

Section 24 Township 24-S Range 36-E NMPM LEA County

10. Date Spudded
4/02/54

11. Date T.D. Reached
4/20/54

12. Date Compl. (Ready to Prod.)
1/12/49

13. Elevations (DF& RKB, RT, GR, etc.)
3,314' KB

14. Elev. Casinghead

15. Total Depth

3,790'

16. Plug Back T.D.

3,790'

17. If Multiple Compl. How Many
Zones? 2

18. Intervals
Drilled By

Rotary Tools
Rotary Tools

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name
Yates - 3020', Seven Rivers - 3242', Queen - 3616'

20. Was Directional Survey Made
NO

21. Type Electric and Other Logs Run

GRN/CNL

22. Was Well Cored

NO

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"	28	280'	11"	150 sacks	
5 1/2"	14	3,470'	7 7/8"	300 sacks	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 7/8"	3511'	

26. Perforation record (interval, size, and number)

Queen: Open Hole 3616'-3790'
Seven Rivers: Perfs (3242'-3616')
Yates: Perfs (3046'-3240')

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

Langlie Mattix Frac'd w/ 30# X-L + 62,391# 20/40

Jalmat Slick Water Frac'd w/ slick water.

Plus 27,789# 20/40 mesh sand.

28. PRODUCTION

Date First Production July 30, 2005	Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping - Progressive Cavity Pump				Well Status (Prod. or Shut-in) Producer	
Date of Test June 5, 2005	Hours Tested 24 hours	Choke Size N/A	Prod'n For Test Period	Oil - Bbl 27	Gas - MCF 30.	Water - Bbl. 127
Flow Tubing Press.	Casing Pressure 10 psig	Calculated 24-Hour Rate	Oil - Bbl. 27	Gas - MCF 30.	Water - Bbl. 127	Oil Gravity - API - (Corr.) 35.7

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 Domingo Carrizales Printed Name Domingo Carrizales Title Sr. Petroleum Engineer Date 09/06/05
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 3020'	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers 3242'	T. Devonian	T. Menefee	T. Madison
T. Queen 3616'	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.....3046'.....to..... 3240'.....

No. 3, from.....3616'to...3790'

No. 2, from.....3242'to.3616'.....

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

Section 2 - Lithology

Section 2 - Lithology (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

Surface Csg

Hole Size: 11 in
Csg. Size: 8 5/8 in
Set @: 280 ft
Sxs Cmt: 150
Circ: Yes
TOC @: surf
TOC by: circ

Csg leak @
300 - 331'
Sqz'd w/ 27 sxs
cmt

TOC @ 1890'
By Calc.

Jalmat
Yates
3046 - 55'
3061 - 78'
3082 - 86'
3107 - 16'
3130 - 42'
3154 - 74'
3192 - 99'
3219 - 29'
3234 - 40'
7-Rivers
3281 - 86'
3288 - 3303'
L. M.
3437 - 47'
3452 - 60'
Queen

OH Interval
3470 - 3790'

Production Csg.

Hole Size: 7 7/8 in
Csg. Size: 5 1/2 in
Set @: 3470 ft
Sxs Cmt: 300
Circ: No
TOC @: 1890 f/ surf
TOC by: calc.

PBTD: 3790 ft
TD: 3790 ft

OH ID: 4 3/4 in

LEASE NAME

Cooper Jal Unit

WELL NO.

130

STATUS: Active

Oil

API#

30-025-09643

LOCATION: 1650 FSL & 1650 FWL, Sec 24, T - 24S, R - 36E; Lee County, New Mexico

SPUD DATE:

TD

3790

KB

3,320'

DF

INT. COMP. DATE:

04/22/54

PBTD

3790

GL

ELECTRIC LOGS:

GEOLOGICAL DATA

CORES, DST'S or MUD LOGS:

GR-N from 0 - 3551' (4-20-54 Schlumberger)
Temperature Survey (4-17-54 APEX)
Injectivity Profile (6-4-73 WACO)
CR-CCL (10-26-93 Halliburton)

HYDROCARBON BEARING ZONE DEPTH TOPS:

Yates @ 3020'

Seven Rivers @ 3242'

Queen is below TD

CASING PROFILE

SURF. 8 5/8" - 28#, H-40 set @ 280' Cmt'd w/150 sxs - circ cmt to surf.

PROD. 5 1/2" - 14#, H-40 set @ 3470' Cmt'd w/300 sxs - TOC @ 1890' from surf by calc.

LINER None

CURRENT PERFORATION DATA

CSG. PERFS:

Perfs 3046 - 55', 3061 - 78', 3082 - 86', 3107 - 16', 3 & 3154 - 74' w/ 2 spf (142 - 0.56" dia holes) OPEN HOLE :
Perf Yates (3192 - 99', 3219 - 29' & 3234 - 40') & 7-R (3281 - 86', 3288 - 3303', 3437 - 47' & 3452 - 60', 61 feet 2 JHPF, 122 holes. 3470 - 3790'

TUBING DETAIL

7/25/2005

ROD DETAIL

7/26/05

Length (ft)	Detail
2645	83 2 7/8" 6.5#, J-55, super max tbg.
3	1 5 1/2" x 2 7/8" TAC
825	26 2 7/8" 6.5#, J-55, super max tbg.
1	1 2 7/8" SN
6	1 2 7/8" Perf Sub
31	1 2 7/8" 6.5#, J-55, super max OEMA
3511	btm

Length (ft)	Detail
20	1 26' x 1 1/4" polish rod w/ 7/8" pin
0	1 1 1/4" x 1 1/2" x 14' liner
12	2 4', 8' - 7/8" Grade D pony rods
1550	62 7/8" new D steel rods
1625	65 3/4" new D steel rods
250	10 1 1/4" sinker bars
16	1 2 1/2" x 2" X 16' pump PAP 40 ring
0	1 1 1/4" x 8' sand screen 50 slot
3473	btm

WELL HISTORY SUMMARY

22-Apr-54 Initial completion interval: 3470 - 3550' (7 RVRs OH). Frac'd w/4,000 gals & 6,000#s sand. IP = 234 bopd (flowing)
30-Apr-71 Converted to injection well.
04-Jun-73 Ran injectivity profile.
15-Apr-93 C/O from 3510 - 62' (Iron Sulfide, Paraffin & Formation). Side jet & acidz'd OH (3470 - 3562') w/4,000 gals 15% NEFE HCL w/80 gals mutual solvent & 110 gals Checkersol using 1500#s rocksalt in 4 stages. Isolated 5 1/2" csg leak from 300 - 331'. cmt sqz'd csg leak with 27 sxs cmt. Drid out & tst csg to 300 psi. OK. RIH w/ pkr on 2 3/8" CL tbg. Could not get pkr to pressure test @ 3440'. Reset pkr @ 3416'. Initiated injection at 203 bwpd @ TP=660 psi.
02-Nov-93 Ran GR-CCL Set BP @ 3385'. Perf'd 3046 - 3174' w/2 spf (142 holes) Frac'd perfs w/ 54,012 gals 30# gel, 187,480#s Brady sand, 41,040#s 12/20 resin coated sand. AIR=34 bpm, PM=7200 - 2600 psi. C/O to 3385'. Returned well to production. IP = 61 bopd, 179 bwpd, & 24 Mcfgpd.
10-Jun-94 C.O fill from 3053' - 3385'. Returned well to production.
23-Dec-94 C.O fill from 3163' - 3300'. Returned well to production.
14-Feb-96 Tagged fill @ 3227'. Did not C/O fill. Lowered tbg 2 jts. Added rods & changed out pmp. Returned well to production.
16-Nov-01 Replaced 1 jt tbg. Pickled tbg w/1200 gals 2% acid. Swab back. Replaced 50 - 3/4" rod boxes and pmp. Returned well to production.
05-Jul-05 POOH with rods and pump. Scanologed tubing out hole: 33 yellow, 7 blue, 13 double green, 16 single green and 27 red. RIH with 4 3/4" mill tooth bit & 20 - 3 1/2" on 2 7/8" tubing and tagged cement at 3394'. Drilled cement and CIBP @ 3425'. RIH with 2nd mill tooth bit, drilled from 3554' to 3560' - recovered formation. Drilled from 3560' to 3692' in 3 1/2 day-time days, bit wore out. RIH with 3rd mill tooth bit, drilled from 3714' to TD at 3795' in 11 1/2 hrs. Ran CNL from new TD @ 3795' to 2000'. OH shows at 3780' - 90'. Perf'd Yates (3192 - 99', 3219 - 29' & 3234 - 40') & 7-R (3281 - 86', 3288 - 3303', 3437 - 47' & 3452 - 60'), 61 feet, 2 JHPF, 122 holes. Hydrotest 3 1/2" tubing in hole to 7000#, set 5 1/2" dual frac packer at 3375'. Frac'd Langlie Matrix perfs (3437 - 3460') and open hole (3470 - 3790') with 62,391# 20/40 mesh sand. Pavg= 1794# at 25 bpm. ISIP= 1070#. Slick water frac'd Jalmat perfs (3046 - 3303') with 27,789# 20/40 mesh sand. Pavg= 1754# at 25 bpm. ISIP= 1070#. Cleaned out frac sand to 3790'. RIH with new super max tubing, pump and rods. PWOP.

PREPARED BY:

Larry S. Adams

D. Carrizales

UPDATED:

15-Jul-05