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.
30-025-09645

5. Indicate Type of Lease
STATE ☐ FEE ☑ ~~Fed~~

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 WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

7. Lease Name or Unit Agreement Name
LC0325928

2. Name of Operator
SDG Resources L. P.

8. Well No. Cooper Jal Unit # 121

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 ___N___ : ___990___ Feet From The _____NORTH_____ Line and _____1650_____ Feet From The _____EAST_____ Line

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

10. Date Spudded	11. Date T.D. Reached	12. Date Compl. (Ready to Prod.)	13. Elevations (DF& RKB, RT, GR, etc.)	14. Elev. Casinghead
12/08/48	1/02/49	1/12/49	3,314' KB	

15. Total Depth	16. Plug Back T.D.	17. If Multiple Compl. How Many Zones? 2	18. Intervals Drilled By	Rotary Tools	Cable Tools
3,760'	3,760'			Rotary Tools	

19. Producing Interval(s), of this completion - Top, Bottom, Name
Yates – 3006', Seven Rivers – 3239', Queen – 3600'

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
13 3/8"	68	30'	17 ½"	30 sacks	
9 5/8 "	40	1,179'	12 ¼"	550 sacks	
7"	20	3,017'	8 5/8"	350 Class C	
4 ½"	10.5	2,966'-3,560'	6 1/8"	700 Class C	

Received
SEP 12 2005
HOBBS OCD

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 7/8"	3542'	

26. Perforation record (interval, size, and number)
Queen: Open Hole 3600'-3750'
Seven Rivers: Perfs (3239'-3600')
Yates: Perfs (3018'-3239')

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
Langlie Mattix	Frac'd w/ 30# X-L + 59,925# 16/30
Jalmat	Slick Water Frac'd w/ slick water.
	Plus 15,000# 16/30 mesh sand.

28 **PRODUCTION**

Date First Production	Production Method *(Flowing, gas lift, pumping - Size and type pump)*	Well Status *(Prod. or Shut-in)*
July 30, 2005	*Pumping – Progressive Cavity Pump*	*Producer*

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
June 5, 2005	24 hours	N/A					

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - *(Corr.)*
	10 psig		25	20.	85	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 3006'	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers 3229'	T. Devonian	T. Menefee	T. Madison
T. Queen 3600'	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.....3018'.....to..... 3239'.....
No. 2, from.....3239' .....to. .....3600'.....
No. 3, from.....3600'.....to...3750'.....
No. 4, from.....to.....

IMPORTANT WATER SANDS

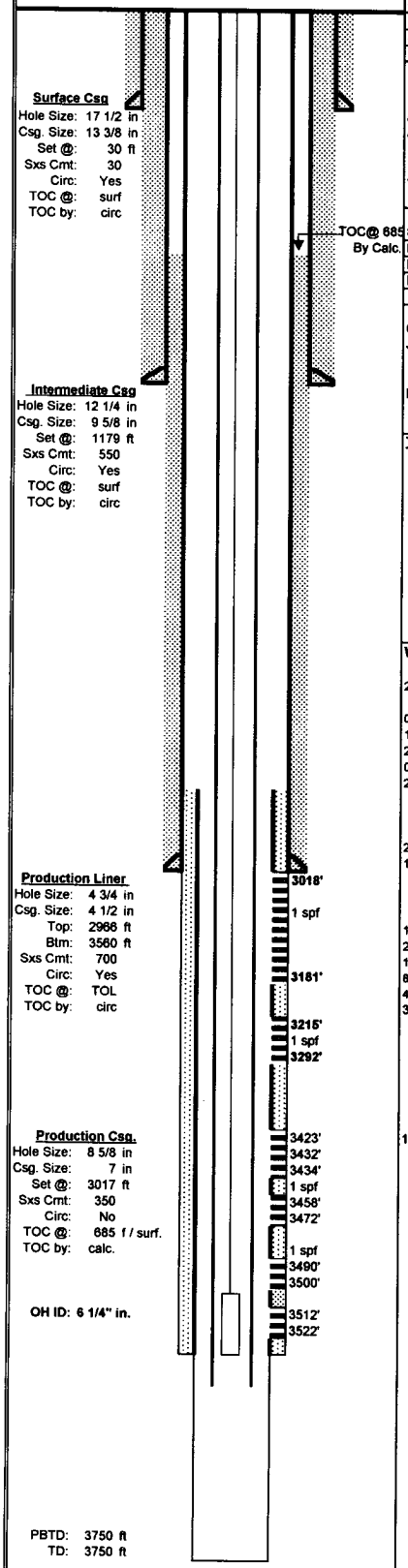
Include data on rate of water inflow and elevation to which water rose in hole.
No. 1, from...Water sands were not apparent while drilling with Rotary. .....feet.....
No. 2, from.....to.....feet.....
No. 3, from.....to.....feet.....

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



LEASE NAME	**Cooper Jal Unit**			WELL NO.	**121**
STATUS:	Active	Oil		API#	30-025-09645
LOCATION:	990 FNL & 1650 FEL, Sec 24, T - 24S, R - 36E; Lee County, New Mexico				
SPUD DATE:	TD 3750	KB 3,314'	DF		
INT. COMP. DATE: 01/22/49	PBTD 3750	GL 3,303'			

GEOLOGICAL DATA

ELECTRIC LOGS:

GR-N from 2720 - 3520' (12-27-48 Lane Wells)
GR-N from 2800 - 3556' (1-29-75 McCullough)

CORES, DST'S or MUD LOGS:

HYROCARBON BEARING ZONE DEPTH TOPS:

Yates @ 3018 7 Rivers @ 3240'

CASING PROFILE

SURF.	13 3/8" - 68#, J-55 set@ 30' Cmt'd w/30 sxs - circ cmt to surf.
INTR.	9 5/8" - 40#, J-55 set@ 1179' Cmt'd w/550 sxs - circ cmt to surf
PROD.	7" - 20#, J-55 set @ 3017' Cmt'd w/350 sxs - TOC @ 685' from surf by calc
LINER	4 1/2" - 10.5#, H-40 set from 2966 - 3560'. Cmt'd w/700 sxs - circ cmt through TOL

CURRENT PERFORATION DATA

CSG. PERFS:

OPEN HOLE :

Jalmat 3018', 3024', 3027', 3032', 3045', 3048', 3065', 3069', 3073', 3077', 3099', 3102', 3104', 3123', 3125', 3127', 3142', 3145', 3177', 3179', 3181', 3215', 3218', 3221', 3223', 3232', 3234', 3226', 3281', 3283', 3287', & 3292' 1 spf 33 holes. 3560'-3750'

Langlie Mattix 3423' set CIBP @ 3400' w/ 35' cmt on top - 12/97. 3432', 3434', 3458'-72' (16 holes), 3490'-3500' (11 holes), 3512'-22' (11 holes)

TUBING DETAIL 6/1/2005

Length (ft)		Detail
2714	86	2 7/8" 6.5#, J-55, Super Max tbg.
3	1	4 1/2" x 2 7/8" TAC
790	26	2 7/8" 6.5#, J-55, Super Max tbg.
1	1	2 7/8" SN
4	1	2 7/8" Perf Sub
30	1	2 3/8" 4.7#, J-55, 8rd EL
3542		

ROD DETAIL 08/12/05

Length (ft)		Detail
16	1	22' x 1 1/4" polish rod w/ 7/8" pin
0	1	1 1/4" x 1 1/2" x 14' liner
2	1	2' - 7/8" pony rod
1525	61	7/8" KD rods (new)
1800	72	3/4" steel rods
150	6	1 1/4" K-Bars
14	1	2" x 1 1/4" X 14' RHBC rod pmp (right hand release)
0	1	1 1/4" x 8' Sand Screen 25 slot
3507		

WELL HISTORY SUMMARY

22-Jan-49	**Initial completion interval: 3017 - 3520' (Yates/7 RVRS/QUEEN - OH).** Acdz'd w/500 gals 20% HCL & jet shot 3025 - 3470'. **IP=30 bpd, 0 bwpd & 45 Mcfgpd (Flowing)**
01-Jan-55	C/O to 3505'. Frac OH w/10,000 gals oil & 10,000#'s sand in 2 stages diverting w/500#'s rock salt.
15-Jan-73	Tag fill @ 3126' (394' of fill)
23-Feb-73	C/O fill to TD.
08-Jul-74	Tag fill @ 3040' (480' of fill). C/O to 3520'. **Deepened well to 3560'.** After WO: 59 bopd & 29 bwpd Before WO: 49 bopd & 18 bwpd
25-Jan-75	C/O fill f/3075 - 3555'. **Set 4 1/2" liner.** Sqz'd TOL w/ 300 sxs cmt **Perf'd w/ 1spf 3423' (1 hole), 3432' (1 hole), 3434' (1 hole), 3458 - 72' (16 holes), 3490 - 3500' (11 holes), 3512 - 22' (11 holes).** Acdz'd all perfs w/2,500 gals 15% HCl using 72 ball sealers. AIR=4.2 bpm @ 1500 psi. Frac'd w/40,000 gals trtd wtr, 30,000#'s 20/40 sand, 12,000# 10/20 sand dropping 25 ball sealers. AIR=20 bpm@2600 psi. C/O frac sand from 3510-40'.
25-Sep-75	C/O fill from 3480 - 3560'. Acdz'd w/1,500 gals and scale sqz'd.
10-Jan-78	Set RBP @ 3329'. Tst RBP. OK **Perf'd w/ 1spf from 3018'-3292'.** Set pkr @ 2985' & acdz'd all perfs w/ 4,000 gals 15% HCL dropping 49 ballsealers. AIR=4.5 bpm @ 1500 psi. ISIP=600 psi. P15min=vac. Frac in 3 equal stages: 40,000 gals, 31,500#'s 20/40 sand, 9,000#'s 10/20 sand dropping 20 ballsealers. AIR=20 bpm@2212 psi. ISIP=740 psi, P5min=620 psi, P15min=600 psi. SIWFN. C/O to 3539'. POOH w/ RBP. Placed well on production. **IP=30 bopd & 288 bwpd.**
11-Feb-87	Tag fill @ 3511' (49' of fill)
29-Dec-97	**Set CIBP@ 3400'** and dmp 35' cmt on top. PBTD @ 3365'. Ran prod equipment. **IP=13 bopd, 24 bwpd & 11 Mcfgpd**
14-May-98	Installed rods/pmp. Hydrotest tbg.
8-Nov-02	Laid down 6 3/4" pitted rods & 5 pitted jts of tubing. Hydrotest tubing in hole. Found 1 hole in jt above SN. Change out pump.
4-Sep-03	POOH with rods, pump, and tubing string. Hydrotest tubing in hole - found hole in joint above the pump. Placed well on production.
3-May-05	POOH with rods, pump, and tubing string. Scanned tubing out of hole. Recovered TAC & MA. RIH w/ 3 7/8" bit 12 - 3" drill collars. Tagged at 3,324'. Drilled cement, drilled and cut over CIBP at 3,403'. Pushed CIBP to 3,501', recovered drag springs slip, slip segment & metal. Made 12 bit (Cute-Rite, Shoe, Core & Mill Tooth) trips to drill and cleaned out to new formation below 4 1/2" liner shoe. Recovered scale, pieces of metal, cast iron, iron sulfide and 6 1/2" bit cone from the original open hole @ 3,564'. Two more botton bit trips to drilled to **new TD at 3,750'.** Ran Compensated Neutron Log from 3,748' to 2,966'. Set 4 1/2" Frac Pkr at 3,360'. Weatherford Frac'd perfs 3423'-3522' & open hole 3560'-3750' w/ 59,925 # 16/30 brown sand. AIR= 29.1 bpm. Pavg= 2,143 psig. Frac'd (slick water) upper zone 3018'-3292' with 15,200 # 16/30 mesh brown sand. AIR= 30.3 bpm. Pavg= 1534#. ISIP= 750 ISIP. Cleaned out frac sand and POOH with frac packers. RIH w/ 2 7/8" Super Max production string, pump and rods. PWOP.
12-Aug-05	POOH with parted 3/4" rod (83 jt). POOH with rods and pump. RIH with pump, replaced all couplings with spray metal coupling. PWOP.

PREPARED BY: Larry S. Adams D. Carrizales UPDATED: 18-Aug-05