

Submit 3 Copies To Appropriate District
Office
District I
1625 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.	30-025-09645 00C1
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.	NM 12612
7. Lease Name or Unit Agreement Name	NM 70926X
8. Well Number	Cooper Jal Unit #121
9. OGRID Number	193003
10. Pool name or Wildcat	JALMAT: Tansill, Yates & 7-Rivers

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 checked="" 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>B</u> ; <u>990</u> feet from the <u>NORTH</u> line and <u>1650</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.) 3,314' KB	
Pit or Below-grade Tank Application <input 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"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <input type="checkbox"/>	P AND A <input type="checkbox"/>
	CASING/CEMENT JOB <input type="checkbox"/>
	OTHER: Set CIBP @ 3,400', T&A'd Langlie Mattix. <input checked="" 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: Set CIBP @ 3,400', capped with 35' cement. Temporary abandon the Langlie Mattix zone.

1. MIRU Pulling Unit. POOH with rods and pump. NU BOP. POOH with tubing.
2. R.U. Wireline Co. RIH with 4 1/2" CIBP to 3,400'. Set CIBP. Dump 35' of cement on top. New PBTD is @ 3,365'.
3. RIH with 2 3/8" production string. ND BOP. RIH with pump and rods.
4. Placed well on production. Turn over to operations.

A C103 was not filed with NMOCD during the December 29, 1997 workover!

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 Canigales TITLE Senior Petroleum Engineer DATE 5/03/05

Type or print name
For State Use Only

E-mail address: domingo@sdgresources.com Telephone No. 432-580-8500

PETROLEUM ENGINEER

MAY 12 2005

APPROVED BY: [Signature] TITLE _____ DATE _____
Conditions of Approval (if any):

Single Jalmat

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

Surface Csg
 Hole Size: 17 1/2 in
 Csg. Size: 13 3/8 in
 Set @: 30 ft
 Sxs Cmt: 30
 Circ: Yes
 TOC @: surf
 TOC by: circ

Intermediate Csg
 Hole Size: 12 1/4 in
 Csg. Size: 9 5/8 in
 Set @: 1179 ft
 Sxs Cmt: 550
 Circ: Yes
 TOC @: surf
 TOC by: circ

Production Liner
 Hole Size: 4 3/4 in
 Csg. Size: 4 1/2 in
 Top: 2966 ft
 Btm: 3560 ft
 Sxs Cmt: 700
 Circ: Yes
 TOC @: TOL
 TOC by: circ

Production Csg.
 Hole Size: 8 5/8 in
 Csg. Size: 7 in
 Set @: 3017 ft
 Sxs Cmt: 350
 Circ: No
 TOC @: 685 f / surf.
 TOC by: calc.

PBTD: 3365 ft
 TD: 3560 ft

OH ID: 6 1/4 in

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

3560

KB

3,314'

DF

INT. COMP. DATE:

01/22/49

PBTD

3365

GL

3,303'

ELECTRIC LOGS:

GR-N from 2720 - 3520' (12-27-48 Lane Wells)

GR-N from 2800 - 3556' (1-29-75 McCullough)

HYDROCARBON BEARING ZONE DEPTH TOPS:

Yates @ 3018'

7 Rivers @ 3240'

TOC @ 685'
 By Calc.

GEOLOGICAL DATA

CORES, DST'S or MUD LOGS:

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 :

1 spf - 71 total holes

3018 3125 3236

3024 3127 3281

3027 3142 3283

3032 3145 3287

3045 3147 3292

3048 3177 3423 set CIBP @ 3400' w/35' cmt on top - 12/97

3065 3179 3432

3069 3181 3434

3073 3215 3458-72 (16 holes)

3077 3218 3490-3500 (11 holes)

3089 3221 3512-22 (11 holes)

3102 3223

3104 3232

3123 3234

TUBING DETAIL

9/5/2003

ROD DETAIL

09/08/03

Length (ft)

Detail

2880 96 jts - 2 3/8" 4.7#, J-55, 8rd EUE tbg.

3 1 - 4 1/2" x 2 3/8" TAC

271 9 jts - 2 3/8" 4.7#, J-55, 8rd EUE tbg.

1 1 - 2 3/8" SN

30 1 jts - 2 3/8" 4.7#, J-55, 8rd EUE tbg.

3185 btm

Length (ft)

16 1 - 22' x 1 1/4" polish rod w/ 12' x 1 1/2" liner

0

3100 124 - D-87, 3/4" rods

14 2" x 1 1/4" X 14" RHBC rod pmp

3130' btm

SN @ 3154' TAC @ 2881'

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 @ 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 trld wr, 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'.

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 & 286 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.

08-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.

04-Sep-03 POOH with rods, pump, and tubing string. Hydrotest tubing in hole - found hole in joint above the pump. Placed well on production.

PREPARED BY:

Larry S. Adams

D. Carrizales

[UPDATED:

12-Jun-03