

New Mexico Oil Conservation Division, District I
UNITED STATES 1625 N. French Drive
DEPARTMENT OF THE INTERIOR NM 83240
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NM 12612
2. Name of Operator SDG Resources L. P.		6. If Indian, Allottee or Tribe Name
3a. Address P. O. Box 1390 Montrose, CO 81402		7. If Unit or CA/Agreement, Name and/or No. NM 70962X
3b. Phone No. (include area code) 432-580-8500		8. Well Name and No. Cooper Jal Unit #117
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 660 Feet from the SOUTH line, 1980 Feet from the WEST line, Sec. 18, Township 24S, Range 37E		9. API Well No. 30 025 11140
		10. Field and Pool, or Exploratory Area JALMAT: Tansill, Yates, 7-Rivers
		11. County or Parish, State LEA

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Acidize	<input checked="" type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input checked="" type="checkbox"/> Other Deepen, Acidize & Fracture Stimulate

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Objective: Drill CIBP at 3,318', deepen to 3,750' and complete as Jalmat/Langlie Mattix: acidize and fracture stimulate.

- MIRU Pulling Unit. POOH with rods, pump and tubing string.
- RIH w/ 4 3/4" bit & 6 - 3 1/2" drill collars on 2 7/8" work string. Drill CIBP at 3,318'. Deepen well to new TD at 3,750'.
- Lay down bit & drill collars. RU Wireline Company. Run Compensated Neutron Log from TD to 2,500'.
- Perf Yates (2,970'-3,200') and 7-Rivers (3,240'-3,326'), 180 degree phasing, 2 HPPF, using 3" HSC gun. RD Wireline.
- RIH with 5 1/2" packers on 2 7/8" work string.
- Acidize open hole (3,341'-3,750'); perfs: 7-Rivers (3,240'-3,326') & Yates (2,970'-3,200'), with 4,000 gallons 15% NEFE HCl acid.
- POOH with 2 7/8" work string. RIH with 5 1/2" Frac packers on 3 1/2" work string.
- Fracture stimulate open hole (3,341'-3,750') with 60,000 12/20 mesh sand; perfs: 7-Rivers (3,240'-3,326') & Yates (2,970'-3,200') with 60,000# 12/20 mesh sand. POOH and lay down 3 1/2" work string and packer.
- Clean out well to new TD with sand bailer on 2 7/8" work string. Lay down bailer and 2 7/8" work string.
- RIH 2 7/8" production string, pump and rods. Place well on production. Turn over to operations.
- Fold Pit Liner inward, cover with 20 mil liner and cover with top soil. File Form C144 with NMOC.

14. I hereby certify that the foregoing is true and correct
 Name (Printed/Typed)

Domingo Carrizales

Title **Sr. Petroleum Engineer**

Signature

Domingo Carrizales

Date

03/24/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by (PRIG. SGD.) DAVID R. GLASS	PETROLEUM ENGINEER	Date APR 04 2005
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Kz

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

Surface Csg
Hole Size: 11 in
Csg. Size: 8 5/8 in
Set @: 320 ft
Sxs Cmt: 150
Circ: Yes
TOC @: surf
TOC by: circ

Production Csg.
Hole Size: 7 7/8 in
Csg. Size: 5 1/2 in

Set @: 3341 ft
Sxs Cmt: 500
Circ: No
TOC @: 705 f / surf
TOC by: calc

PBTD: 3268 ft
TD: 3648 ft

OH ID: 4 3/4 in

TOC @ 1201'
By TS

3058'

8 spf

3078'

TOC @ 3268'
CIBP @ 3318'

OH Interval
3341 - 3648'

LEASE NAME

Cooper Jal Unit

WELL NO.

117

STATUS: Active Oil

API# 30-025-11140

LOCATION: 660 FSL & 1980 FWL, Sec 18, T - 24S, R - 37E, Lee County, New Mexico

SPUD DATE: TD 3648 KB 3,320' DF

INT. COMP. DATE: 11/24/48 PBTD 3268 GL 3,308'

GEOLOGICAL DATA

ELECTRIC LOGS:

GR - N from 0 - 3649' (11-18-48 Lane Wells)
Csg Inspection Log from 335 - 1500' (1-16-74 McCullough)
GR-CCL from 3255 - 2800' (4-27-92 Halliburton)

CORES, DST'S or MUD LOGS:

HYDROCARBON BEARING ZONE DEPTH TOPS:

Yates @ 2944'
Seven Rivers @ 3187'
Queen @ 3575'

CASING PROFILE

SURF 8 5/8" - 24#, J-55 set @ 320' Cmt'd w/150 sxs - circ cmt to surf.
PROD. 5 1/2" - 14#, J-55 set @ 3341' Cmt'd w/500 sxs - TOC @ 705' from surf by calculation
LINER None

CURRENT PERFORATION DATA

CSG. PERFS:

OPEN HOLE:

3058 - 3078' w/8 spf (160 holes)

3341 - 3648'

TUBING DETAIL

9/15/2000

ROD DETAIL

08/20/02

Length (ft)	Detail
2980	97 2 3/8" 4.7#, J-55, 8rd EUE tbq.
5	1 5 1/2" x 2 3/8" TAC
105	1 2 3/8" 4.7#, J-55, 8rd EUE tbq.
1	1 2 3/8" SN
28	1 3 1/2" MA
3119	btm

Length (ft)	Detail
15	1 20' x 1 1/4" polish rod w/ 1 1/2" liner
10	3 3/4" rod subs
3025	121 3/4" steel rods
1	1 1' x 3/4" lift rod
18	1 2" x 1 1/4" X 18' RHBC brass-chrome pmp
6	1 1" Gas Anchor
3075	btm

WELL HISTORY SUMMARY

24-Nov-48 Initial completion interval: 334'-3648' (7 RVR/Queen OH). Shot w/290 qts nitro. IP = 65 bopd, 0 bwpd & 72 Mcfgpd (flowing)
17-Jan-74 Ran csg inspection log. Found holes from 535 - 878'. Sqz'd csg leak @ 535 - 878' w/ 250 sxs cmt @ 700 psi. Dkd out & tst. OK.
8-Aug-74 C/O to 3628' (Hole continue to fill) Before WO: 1 bopd & 3 bwpd, After WO: 4 bopd & 7 bwpd
24-Oct-74 C/O to 3621', Frac'd OH w/60,000 gals gel tr'd fresh water w/ 45,000#s 20/40 sand & 36,000#s 12/20 sand. AIR=25 bpm @ 2800 psi. ISIP=850 psi, P10min=400 psi.
2-Jan-75 Producing 8 bopd & 87 bwpd. Checked for fill - none.
Note: Performed seven (7) rod or tubing jobs in 1977 @ cost of \$4,038
Note: Performed twelve (12) rod or tubing jobs in 1978 @ cost of \$7,277
Note: Performed eleven (11) rod or tubing jobs in 1979 @ cost = \$8,235
21-May-92 Set CIBP @ 3318' & dump 7 sxs (50' cmt on top. Ran GR - CCL from 3255 - 2800'. Perf'd w/4" csg gun w/ 120 deg phasing from 3058'-78' w/ 8 spf (160 - 0.47" dia holes). Frac'd w/70,000 gals/220,000#s 12/20 sand & 21,000#s 12/20 resin coated sand PM=4700 - 1660 psi, AIR=30 bpm. ISIP=352 psi. C/O and ran prod equip. After WO: pmp 0 bopd, 17 bwpd & 648 MCFGPD.
15-Mar-95 Acidz'd perfs 3058 - 78' w/ 2,000 gals 15% NEFE acid. Atmpt to swab load back. No fluid entry. Performed scale sqz using 10 gals TH793 scale inhibitor mixed w/ 15 bbbs water. Flushed w/2% KCL water. RIH w/ production equipment. SWI 24 hrs. IP=0 bopd, 0 bwpd, & 128 Mcfgpd.
15-Sep-00 C/O using foam unit from 3140 - 3268' (PBTD). Ran sonic hammer and acidized perfs 3058 - 78' w/ 1,000 gals 15% NEFE HCL. PM=1648 - 850 psi. AIR=4.4 bpm. ISIP= vacuum. Scale sqz'd perfs w/ 165 gals TH-756 mixed w/ 55 gals 2% KCL @ 4 bpm & 1200 psi Ran production equipment. C/O iron sulfide from surface filter. After WO: 0 bopd, 46 bwpd, & 96 Mcfgpd. Well on compression.
20-Jun-02 Rod part (body break) at 22 jt. Changed out pump.

PREPARED BY:

Larry S. Adams

D. Carrizales

UPDATED:

12-Jun-03