

New Mexico Oil Conservation Division, District I
1625 N. French Drive

Form 3160-5
(April 2004)

UNITED STATES **Hobbs, NM 88240**
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT

FORM APPROVED
 OM B 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 LC-032715
2. Name of Operator SDG Resources L. P.		6. If Indian, Allottee or Tribe Name
3a. Address P. O. Box 1390 Montrose, CO 81402	3b. Phone No. (include area code) 432-580-8500	7. If Unit or CA/Agreement, Name and/or No. NM 70926X
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 660 Feet from the SOUTH line, 628 Feet from the West line, Sec. 19, Township 24S, Range 37E		8. Well Name and No. Cooper Jal Unit 220 w
		9. API Well No. 30 025 11162 0C1
		10. Field and Pool, or Exploratory Area JALMAT: T, Y, 7-R; Langlie Mattix
		11. County or Parish, State LEA

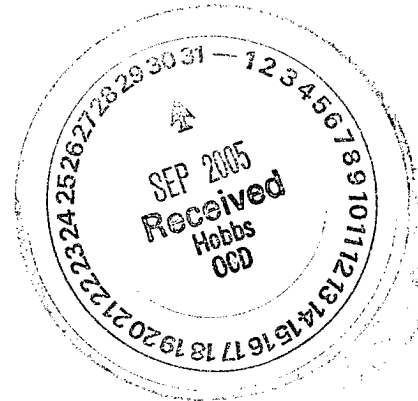
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input checked="" type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<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	

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 recomplate 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 recompletion 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: Repair packer, casing or tubing.

1. MIRU Pulling Unit. POOH with 2 3/8" IPC tubing and 5 1/2" x 2 3/8" Baker Model AD-1 tension packer.
2. RIH with 5 1/2" RBP and packers on 2 7/8" work string to 2955'. Test casing to 500 psig for 30 minutes.
3. POOH with 2 7/8" work string, 5 1/2" RBP and packer.
4. RIH with 5 1/2" x 2 3/8" Baker Model AD-1 tension packer on 2 3/8" IPC tubing.
5. Set packer and test annulus to 500 psig for 30 minutes. Pull chart for NMOCD.
6. Place well on injection at approximately 200 bwpd.
7. Maximum permitted injection pressure is 600 psig.
8. Fold Pit Liner inward, cover with 20 mil liner and cover with top soil. File Form C144 with NMOCD.



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

Domingo Carrizales

Title **Sr. Petroleum Engineer**

Signature

Domingo Carrizales

Date

09/26/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

DAVID R. GLASS

PETROLEUM ENGINEER

Date

SEP 28 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)

GW

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

Surface Csg

Hole Size: 11 in
Csg. Size: 8 5/8 in
Set @: 291 ft
Sxs Cmt: 175
Circ: Yes
TOC @: surf
TOC by: circ

Csg Lk at
897'-729'
Cmt Sqz'd

TOC @ 1450'
By T. S.

pktr @ 2955'

2986 - 3050'

3060 - 3158'

3160 - 3320'

OH Interval
3350 - 3600'

Production Csg.

Hole Size: 7 7/8 in
Csg. Size: 5 1/2 in
Set @: 3350 ft
Sxs Cmt: 1000
Circ: No
TOC @: 1450 f / surf.
TOC by: TS

PBTD: 3600 ft
TD: 3600 ft

OH ID: 4 3/4 in

LEASE NAME

Cooper Jal Unit

STATUS:

Active

Water Injector

WELL NO.

220 W

LOCATION:

660 FSL & 628 FWL, Sec 19, T - 24S, R - 37E; Lee County, New Mexico

SPUD DATE:

TD

3600

KB

3,294'

DF

INT. COMP. DATE:

03/22/50

PBTD

3600

GL

3,284'

ELECTRIC LOGS:

GR - Resistivity (3-17-50 Schlumberger)
Ejecto Log Tracer (11-8-78 Cardinal Surveys Co.)
GR-N (10-17-87 Wedge CRC Inc.)
GR-MSFL-DLL from 3600 - 3350' (1-28-94 Halliburton)
GR-DSN-SDL from 3600 - 2600' (1-28-94 Halliburton)
GR-BHC Sonic log from 3600 - 3350' (1-28-94 Halliburton)
Injection Profile (4-24-95 Houston Inc.)

GEOLOGICAL DATA

CORES, DST'S or MUD LOGS:

HYDROCARBON BEARING ZONE DEPTH TOPS:

Yates @ 2979'
Seven Rivers @ 3210'

CASING PROFILE

SURF. 8 5/8" - 22.70#, J-55 set @ 291' Cmt'd w/175 axs - circ cmt to surf.
PROD. 5 1/2" - 15.58#, J-55 set @ 3350' Cmt'd w/1000 axs - TOC @ 1450' from surface by Temperature Survey.
LINER None

CURRENT PERFORATION DATA

CSG. PERFS:
2986 - 3050' w/ 1 spt (26 holes)
3060 - 3158' w/ 4 spt (392 holes)
3160 - 3320' w/ 1 spt (30 holes)

OPEN HOLE :
3350 - 3600'

TUBING DETAIL

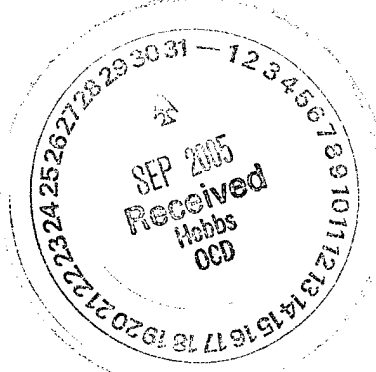
2/23/1994

ROD DETAIL

Length (ft) Detail
10 KB
2942 91 jts - 2 3/8" 4.7#, C.P.L., J-55, 8rd EUE tbg.
3 1-5 1/2" x 2 3/8" Baker PC, AD-1 packer
2955 btm

WELL HISTORY SUMMARY

22-Mar-50 Initial completion (Yates) perf'd 3060 - 3158'. Acct'd w/ 1,000 gals. IP=84 bopd, 0 bwpd, & 63.7 Mcf/gpd.
2-Jul-71 CONVERTED TO INJECTOR.
8-Nov-78 Ran injection survey. Tagged fill @ 3138'. No fluid flow below 3065'.
25-Oct-87 Cmt sqz'd csg leak from 697'-729'. Perf'd intervals 2986 - 3050' & 3160 - 3320' (56 holes total). Acct'd perfs w/ 7,000 gals in 4 stages. Installed new injection tbg & pkr. Placed well on injection.
13-Jan-94 C/O scale from 3320 - 3347' (127'). Deepened well w/ 4 3/4" bit to 3600' (TD). Ran GR-MSFL-DLL from 3600 - 3350'. Ran GR-DSN-SDL from 3600 - 2600'. Ran GR-BHC Sonic log from 3600 - 3350'. Set pkr @ 2936' & acct'd all perfs & OH w/ 8,400 gals 20% NEFE HCL & 0.2% Claytrol in 3 stages diverted with 3,500#s rock salt (total). AIR=5.4 bpm. ISIP=655 psi. P15 min= 479 psi. Installed injection equipment. Initiated injection @ 519 bwpd, TP= 590 psi.
14-Feb-02 Tag TD using SL unit (1 1/4" x 5' sinker bar). Tag fill @ 3448' (151' of fill).
22-May-02 RIH w/ coil tbg. wash down. Tag @ 3585' and clean to 3588'. Sand wash Pass up to packer @ 2955' & down 2955' to 3588'. Fill to 3580', check depth POH w/ coil & found pinhole in coil @ 360' from partclean tool. Cut & redo tool. RIH and wash to 3600'. SI annulus + pump acid pass. Pmp. rate- 9 BPM PSI- 3585# Csg.- 63# Pump 60 bbls 15% NEFE + flush to TD w/ 23 BBLs. POH w/ coil tbg. ISIP- 660# put on inj. 350 BPD rate @ 3068'.



PREPARED BY:

Larry S. Adams

UPDATED:

09-Sep-02