

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

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-103  
Revised June 10, 2003

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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.)		WELL API NO. 30-025-11290
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> <u>Injection Well</u>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator SDG Resources L. P.		6. State Oil & Gas Lease No. LC 032592(b)
3. Address of Operator P. O. Box 1390 Montrose, CO 81402		7. Lease Name or Unit Agreement Name COOPER JAL UNIT
4. Well Location Unit Letter <u>C</u> : <u>660</u> feet from the <u>NORTH</u> line and <u>1917</u> feet from the <u>WEST</u> line Section <u>30</u> Township <u>24-S</u> Range <u>37-E</u> NMPM LEA County		8. Well Number 228
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3276' (DF)		9. OGRID Number 193003
		10. Pool name or Wildcat JALMAT: 7RVRS, YATES

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐  
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER: Cleaned out to PBTD at 3125' ☒

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 well bore diagram of proposed completion or recompletion.

Pulled injection string and packer.

Ran in hole with 6 1/8" bit and 4 - 1/4" drill collars on 2 7/8" work string.

Cleaned out to 3125' - PBTD. Recovered iron sulfide, sand, and scale.

Pulled out of hole and laid down 2 7/8" work string, 4 - 4 1/4" drill collars, and 6 1/8" bit.

Ran 7" Full Bore Baker Model AD-1 tension packer and 92 joints of internally plastic coated 2 3/8" tubing.

Circulated with inhibited packer fluid plus 100 barrels 2 % KCl water.

Set packer at 2988' with 20,000# tension.

Performed mechanical integrity test. Test annulus to 560 psig - held.

Pulled pressure chart for OCD filing.

Placed well on injection: 336 BWPD, 600 psig. Prior rate & pressure: 339 BWPD, 600 psig.

Maximum pressure allowed - 600 psig.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Domingo Carrizales TITLE Sr. Petroleum Engineer DATE 3/22/04

Type or print name Domingo Carrizales E-mail address: domingo@sdgresources.com Telephone No. 432-550-7580

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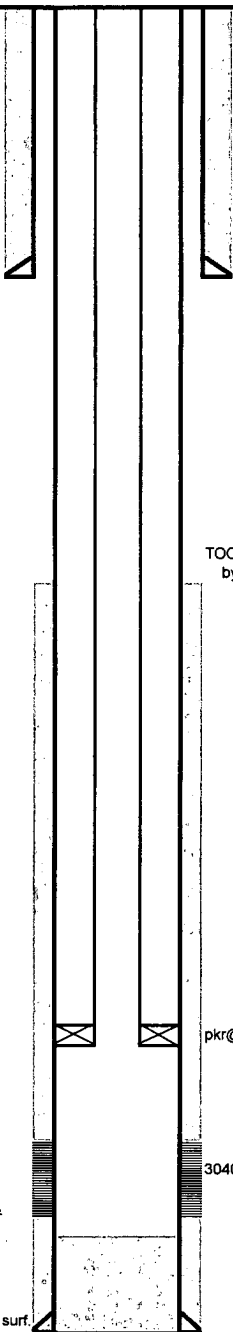
APPROVED BY Harry W. Wink TITLE OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE MAR 23 2004

Conditions of approval, if any:

# **WELLBORE SCHEMATIC AND HISTORY**

## **CURRENT COMPLETION SCHEMATIC**

**Surface Csg**  
 Hole Size: 12 1/4 in  
 Csg. Size: 9 5/8 in  
 Set @: 1164 ft  
 Sxs Cmt: 600  
 Circ: Yes  
 TOC @: surf  
 TOC by: circ



**Production Csg.**  
 Hole Size: 8 3/4 in  
 Csg. Size: 7 in  
 Set @: 3133 ft  
 Sxs Cmt: 400  
 Circ: No  
 TOC @: 1845 f / surf  
 TOC by: TS

PBTD: 3125 ft  
 TD: 3134 ft

OH ID: in

## **LEASE NAME**

**Cooper Jal Unit**

## **WELL NO.**

**228**

## **STATUS:**

Active

Water Injector

## **AP#**

30-025-11290

## **LOCATION:**

660 FNL & 1917 FWL, Sec 30, T - 24S, R - 37E, Lee County, New Mexico

## **SPUD DATE:**

TD

3134

KB

3,278'

DF

3,276'

## **INT. COMP. DATE:**

11/24/49

PBTD

3125

GL

3,267'

## **GEOLOGICAL DATA**

### **ELECTRIC LOGS:**

GR-N from surface - 3130' (11-13-49 Lane Wells)  
 Temperature Survey (11-14-49 Halliburton)  
 Tracer Survey (11-8-76 Cardinal Surveys)

### **CORES, DST'S or MUD LOGS:**

### **HYDROCARBON BEARING ZONE DEPTH TOPS:**

Yates @ 2957'

## **CASING PROFILE**

SURF. 9 5/8" - 32#, J-55 set@ 1164' Cmt'd w/600 sxs - circ cmt to surf.

PROD. 7" - 20#, J-55 set@ 3133' Cmt'd w/400 sxs - TOC @ 1845' from surface by Temp. Survey.

LINER None

## **CURRENT PERFORATION DATA**

### **CSG. PERFS:**

3040 - 3120' w/6 spf (480 holes total)

### **OPEN HOLE :**

## **TUBING DETAIL**

3/17/2004

## **ROD DETAIL**

### **Length (ft)**

### **Detail**

9.00 KB (as used in 10-17-88 workover)

2984.50 92 jts - 2 3/8" 4.7#, CL, J-55, 8rd EUE tbg.

3.58 1- 7" x 2 3/8" Baker AD-1 packer

2997.08 btm

## **WELL HISTORY SUMMARY**

24-Nov-49 Initial completion interval: (Yates) 3040 - 3120' w/ 6 spf (480 holes total): treated w/ 500 gals 15% HCL and 500 gals 20% HCL acid. IP = 63 bopd, 0 bwopd, & 74 Mcfgpd (flowing). API Grvty = 35.8

30-Apr-74 CONVERTED TO INJECTION: Tagged TD @ 3125'. Acid'd perfs (3040 - 3120') w/ 3,000 gals 15% HCL in two stages. Ran pkr on 2 3/8" CL tbg. Initiated injection @ 100 bwopd.

18-Mar-76 Replaced 1 ft tbg. Ran new pkr. Set pkr @ 2954'. Initiated injection.

8-Nov-76 Ran injection profile. Found 39' of fill and no flow below 3081'.

11-Aug-88 SI due to tbg. Leak.

20-Oct-88 C/O fill (scale & iron sulfide) from 3051 - 3125' (74'). Acid'd perfs (3040 - 3120') w/ 2,500 gals containing 2% Mutual Solvent. Ran new pkr & 2 3/8" CL tbg. Set pkr @ 2924'. Initiated injection @ 560 bwopd, TP=450 psi.

14-Feb-02 Tag TD using SL unit (1 1/4" x 5' sinker bar). Tag fill @ 3029' (104' of fill)

15-Mar-04 POOH with 2 3/8" IPC tubing string and 2 3/8" x 7" Baker Model AD-1 packer. RIH with 6 1/8" bit and 4 - 4 1/4" drill collars on 2 7/8" tbg.

Tagged fill at 3003'. Cleaned out to PBTD at 3125'. POOH and laid down with work string, drill collars, and bit. RIH with 2 3/8" x 7" Baker Model AD-1 Tension packer hydrotesting 2 3/8" IPC tubing to 5000#. Located packer at 2988'. Circulated annulus with 100 bbls of 2% KCl water plus packer fluid. Set packer and pressure test to 560 psig for 30 minutes. Pulled chart for TRC filling. Prior rate and pressure: 339 BWPD at 600 psig. After rate and pressure: 336 BWPD at 600 psig. Maximum allowable pressure is 600 psig.

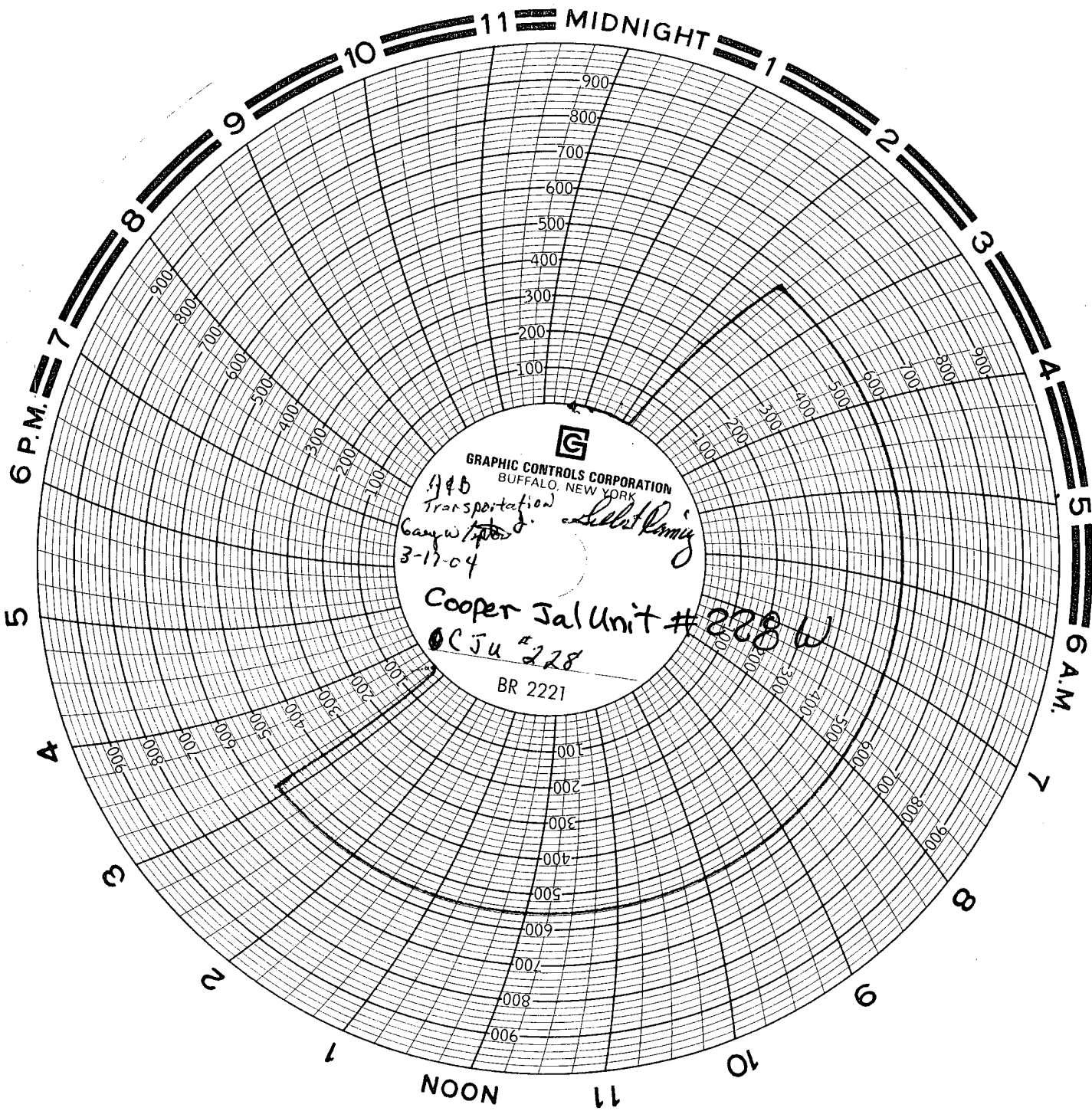
## **PREPARED BY:**

Larry S. Adams

D Carrizales

## **UPDATED:**

22-Mar-04



GRAPHIC CONTROLS CORPORATION  
BUFFALO, NEW YORK

146  
Transportation  
Gangway/ptw  
3-17-04

Cooper Jal Unit # 228 W  
OC Ju # 228

BR 2221