

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><br>(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.<br>30-025-09646  |
| 1. Type of Well:<br>Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> <b>Injection Well</b>   |  | 5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |
| 2. Name of Operator<br>SDG Resources L. P.   |  | 6. State Oil & Gas Lease No.<br>141560  |
| 3. Address of Operator<br>P. O. Box 1390<br>Montrose, CO 81402   |  | 7. Lease Name or Unit Agreement Name<br>COOPER JAL UNIT   |
| 4. Well Location<br>Unit Letter <u>C</u> : <u>330</u> feet from the <u>NORTH</u> line and <u>2310</u> feet from the <u>WEST</u> line<br>Section <u>25</u> Township <u>24-S</u> Range <u>36-E</u> NMPM LEA County |  | 8. Well Number<br>224   |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>3,309' (KB)  |  | 9. OGRID Number<br>193003   |
|  |  | 10. Pool name or Wildcat<br>JALMAT:<br>7RVRS, YATES, TANSIL   |

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 ☐

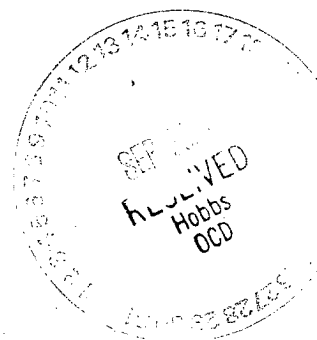
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: Cleaned out active Jalmat Injector. ☒

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.

POOH with 2 3/8" IPC injection tubing and 5 1/2" x 2 3/8" Baker PC, AD-I packer.  
Ran in hole with 4 3/4" bit and 6 - 3 1/2" drill collars on 2 7/8" work string.  
Cleaned out to 3230'.  
Pulled out of hole and laid down 2 3/8" work string, 6 - 3 1/2" and 4 3/4" bit.  
Ran 5 1/2" x 2 3/8" Baker PC, AD-I tension packer.  
Hydrotest internally plastic coated 2-3/8" tubing to 6,000 psig..  
Circulated with inhibited packer fluid plus 100 barrels of 2 % KCl water.  
Set packer at 2892' with 20,000# tension.  
Performed mechanical integrity test - test annulus to 420 psig for 30 minutes.  
Pulled pressure chart for NMOCD filing.  
Placed well on injection: 300 BWPD at 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 9/13/04

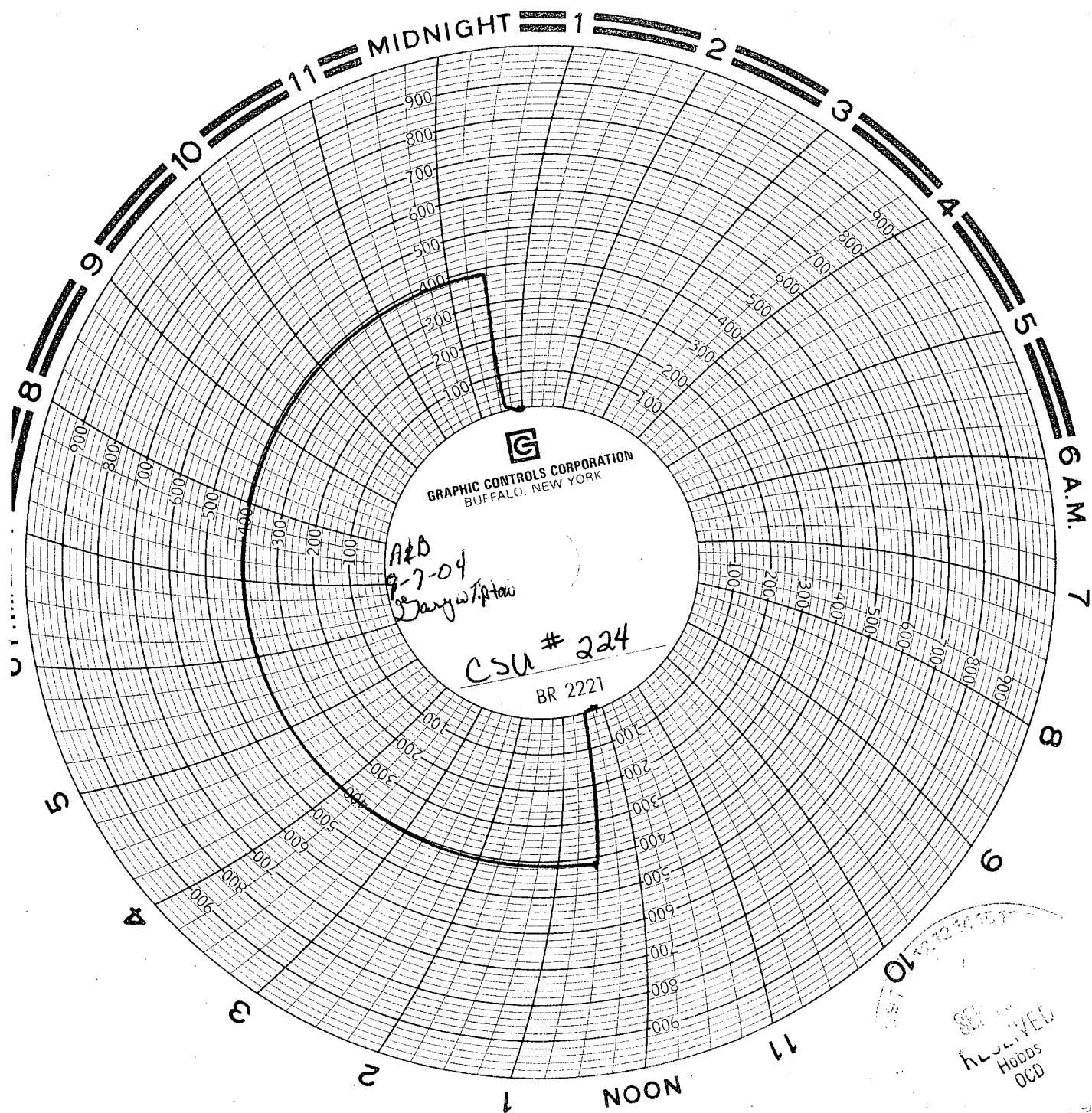
Type or print name Domingo Carrizales E-mail address: domingo@sdgresources.com Telephone No. 432-550-7580

(This space for State use)

APPROVED BY Larry W. Wind DATE SEP 22 2004

Conditions of approval, if any:

OCD FIELD REPRESENTATIVE II/STAFF MANAGER  
SEP 22 2004



8/2/74  
Hobbs  
OCD

## WELLBORE SCHEMATIC AND HISTORY

## CURRENT COMPLETION SCHEMATIC

**Surface Csg**  
Hole Size: 11 in  
Csg. Size: 8 5/8 in  
Set @: 292 ft  
Sxs Cmt: 100  
Circ: Yes  
TOC @: surf  
TOC by: circ

Leak 350'-418'  
Sqzd w/150 sxs  
2nd Sqz - 50 sxs

DV Tool @ 1225'

TOC @ 1920'  
By Calc.

pkc @ 2896'

OH Interval  
2970 - 3230'

TOF @ 3043'

**Production Csg.**  
Hole Size: 7 7/8 in  
Csg. Size: 5 1/2 in  
Set @: 2970 ft  
Sxs Cmt: 200  
Circ: No  
TOC @: 1920 f / surf.  
TOC by: calc.

PBTD: 0 ft  
TD: 3230 ft

OH ID: 4 3/4 in

LEASE NAME

**Cooper Jal Unit**

WELL NO.

**224 W**

STATUS:

Active

Water Injector

API#

30-025-09646

LOCATION:

330 FNL & 2310 FWL, Sec 25, T - 24S, R - 36E, Lee County, New Mexico

SPUD DATE:

TD

3230

KB

3,309'

DF

INT. COMP. DATE:

06/02/50

PBTD

GL

## GEOLOGICAL DATA

## ELECTRIC LOGS:

CORES, DST'S or MUD LOGS:

## HYDROCARBON BEARING ZONE DEPTH TOPS:

Yates @ 3010'

## CASING PROFILE

SURF. 8 5/8" - 28# J-55 set @ 292' Cmt'd w/100 sxs - circ cmt to surf.

PROD. 5 1/2" - 14# J-55 set @ 2970' Cmt'd w/200 sxs - TOC @ 1920' f / surf by calc. DV tool @ 1225' - pmp 200 sxs - TOC @ 140' f / surf by calc.

LINER

None

## CURRENT PERFORATION DATA

CSG. PERFS:

OPEN HOLE:

2970 - 3230'

## TUBING DETAIL

12/12/1997

## ROD DETAIL

Length (ft)

Detail

12

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

2874

94

2 3/8" 4 7/8" CL, J-55, 8rd EUE tbg.

3

1

5 1/2" x 2 3/8" Baker PC, AD-1 packer

2889

## WELL HISTORY SUMMARY

- 02-Jun-50 Initial completion 2970 - 3230' (Yates/ 7 RVRs OH): No stimulation. IP=52 bopd, 0 bwpd, & 0 Mcf/gpd. (flowing)
- 16-Jun-71 CONVERTED WELL TO INJECTOR.
- 14-May-89 Found casing leak at 350'-418'. Squeezed with 150 sxs Class H neat cement. Pmax=1035 psig, AIR=2 bpm. Second squeeze (350'-418'): 50 sxs Class C w/4% calcium, Pmax=750 psig. Clean out open hole with side jet. Acidized with 4,000 gallons 15% HCl acid. Pulled MIT - 300 psig.
- 09-Jul-93 C/O fill (paraffin & iron sulfide) from 3085 - 3235'. Jet wash across OH twice. Acidz'd OH (2970 - 3230') w/ 4,200 gals 15% HEFE HCL. 200 bbls Chloride-dioxide, & 42 gals citric acid using 1000# mesh salt to divert. AIR=3 bpm @ 1025 psi. ISIP=967 psi. Ran pkr on 2 3/8" CL tbg. Set pkr @ 2881'. Tst csg. OK. Initiated injection @ 168 bwpd, TP=680 psi.
- 08-Dec-97 C/O fill from 3052 - 3230' (78'). Ran sonic hammer tool and acid wash OH (2970 - 3230') w/ 130 bbls produced water. Ran pkr and acidz'd OH w/ 3,800 gals 15% NEFE HCL in 3 stages using 1000#s rock salt between each stage. AIR=4 bpm @ 1232 psi. Ran pkr on 2 3/8" CL tbg. Set pkr @ 2896'. Tst csg. OK. Initiated injection @ 400 bwpd.
- 14-Feb-02 Tag TD using SL unit (1 1/4" x 5' sinker bar). Tag fill @ 3043' (187' of fill).
- 30-Aug-04 POOH with 2 3/8" IPC tubing and 5 1/2" x 2 3/8" Baker. RIH with 4 3/4" bit, 6-3 1/2" drill collars on 2 7/8" work string. Cleaned to 3230'. Laid down BHA. RIH with 5 1/2" x 2 7/8" Full Bore Pkr to 2883'. Set packer and test backside to 500#. Lost 80# in 2 minutes. Dropped standing valve, test tubing to 500# - lost 100# in 5 minutes. POOH with Full Bore packer. RIH with 5 1/2" x 2 3/8" Baker Model AD-1 packer on 2 3/8" IPC tubing to 610'. Test casing leak to 450# - lost 70# in 30 minutes. Moved and set packer two more time - lost pressure each time. Hydrotest 2 3/8" IPC tubing to 6000# except the top 20 joints due scale built up. Set packer at 2892' - test annulus to 400# - lost 30# in 30 minutes.
- 07-Sep-04 Ran MIT at 420 psig for 30 minutes - held. Pulled pressure chart for NMOCD. Placed well on injection: 300 BWPd at 600 psig.

PREPARED BY:

Larry S. Adams

D. Carrizales

UPDATED:

08-Sep-04