

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.	30-025-11290
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>	
6. State Oil & Gas Lease No.	141560

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.)		7. Lease Name or Unit Agreement Name Cooper Jal Unit
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Injector		8. Well Number 228 w
2. Name of Operator SDG Resources L. P.		9. OGRID Number 193003
3. Address of Operator P. O. Box 1390 Montrose, CO 81401		10. Pool name or Wildcat JALMAT: Tansill, Yates & 7-Rivers
4. Well Location Unit Letter C : 660 feet from the NORTH line and 1917 feet from the WEST line Section 30 Township 24S Range 37E NMPM LEA County		
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,276' DF		
Pit or Below-grade Tank Application <input checked="" type="checkbox"/> or Closure <input type="checkbox"/>		
Pit type DIRT Depth to Groundwater 74' Distance from nearest fresh water well >1000 feet Distance from nearest surface water >1000 feet		
Pit Liner Thickness: 13 mil Below-Grade Tank: Volume 200 bbls; Construction Material Synthetic		

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"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
OTHER: Clean out injector w/Coiled Tubing and Acidize. <input checked="" type="checkbox"/>		OTHER: <input 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: Clean out injector w/Coiled Tubing and Acidize with 4,000 gallons 15% NEFE HCl acid.

1. MIRU Coiled Tubing Unit.
2. RIH 1 1/4" Perf-Clean Tool on 1 1/4" coil tubing to 2,988'.
3. Energize Tool and clean out Perfs 3,040'-3,120' with surfactant water.
4. Acidize Perfs 3,040'-3,120' with 4,000 gallons 15% NEFE HCl acid.
5. POOH with coiled tubing and rig down Perf-Clean Tool.
6. RD Coiled Tubing Unit.
7. Place well on injection at approximately 280 bwpd.
8. Maximum permitted injection pressure is 600 psig.



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 Canales TITLE Senior Petroleum Engineer DATE 11/10/04

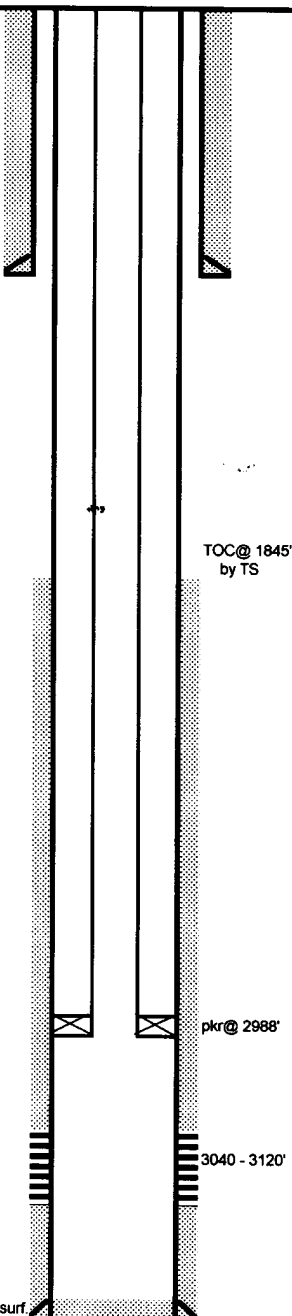
Type or print name For State Use Only E-mail address: Domingo@sdgresources.com Telephone No. 432-550-7580
NOV 22 2004

APPROVED BY: Harry W. Wink TITLE OC FIELD REPRESENTATIVE II/STAFF MANAGER
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 WIW**

STATUS: Active

Water Injector

API# 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'

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)

Yates @ 2957'

GEOLOGICAL DATA

CORES, DST'S or MUD LOGS:

HYDROCARBON BEARING ZONE DEPTH TOPS:

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)

2988.00 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

3000.58 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 Mcf/gpd (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 jt 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.

25-Mar-04 Pumped 30 bbls surfactant water. Acidized with 1000 gals 15% NEFE HCl acid @ 2.3 BPM. Flushed with 13.2 bbls water. Prior rate & pressure: 360 BWPD @ 775 psig. After rate & pressure: 335 @ 650 psig.

PREPARED BY:

Larry S. Adams

D Carrizales

UPDATED:

22-Mar-04