

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.	30-025-11149
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> <i>Federal</i>
6. State Oil & Gas Lease No.	141560
7. Lease Name or Unit Agreement Name	Cooper Jal Unit
8. Well Number	242 w
9. OGRID Number	193003
10. Pool name or Wildcat	JALMAT: Tansill, Yates & 7-Rivers;

4. Well Location
Unit Letter C : 990 feet from the NORTH line and 1587 feet from the WEST line
Section 19 Township 24S Range 36E NMPM LEA County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3,311' KB

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type Depth to Groundwater Distance from nearest fresh water well Distance from nearest surface water

Pit Liner Thickness: mil Below-Grade Tank: Volume bbls; Construction Material

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 COMPL ☐
OTHER: ☐

SUBSEQUENT REPORT OF:
REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: Cleaned out injector & Acidized w/ 3,000 gals 15% NEFE HCl acid. ☒

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: Cleaned out Jalmat injector w/bit & Washed w/ Surfactant water, Acidized with 3,000 gallons 15% NEFE HCl acid.

- MIRU Pulling Unit.
- POOH with 2 3/8" IPC tubing and 5 1/2" x 2 3/8" Baker Model AD-1 tension packer.
- RIH with 4 3/4" bit & 6 - 3 1/2" drill collars on 2 7/8" work string.
- Cleaned out well to TD at 3,195'.
- Washed open hole 2,962'-3,191' with surfactant 2% KCl water using Perf-Clean Tool. Rate @ 4 BPM. Pavg = 2650 psig.
- Acidized O. H. 3,191'-2,962' with 3,000 gallons 15% NEFE HCl acid using Perf-Clean Tool @ 2.5 BPM. Pavg = 1475 psig.
- POOH with 2 7/8" work string and lay down Perf-Clean Tool.
- RIH with 5 1/2" x 2 3/8" Baker Model AD-1 packer to 2,878', hydrotesting IPC tubing to 5,000#.
- Circulated annulus w/ inhibited packer fluid. Set packer and test annulus to 500 psig for 30 minutes. Pull chart for NMOCD. 11/17/04
- Placed well on injection at approximately 260 bwpd.
- 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 Carrizales TITLE Senior Petroleum Engineer DATE 11/19/04

Type or print name
For State Use Only

E-mail address: Domingo@sdgresources.com Telephone No. 432-550-7580

APPROVED BY: Larry W. Wink TITLE
Conditions of Approval (if any):

DATE NOV 24 2004

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

Surface Csg
 Hole Size: 12 3/4 in
 Csg. Size: 10 3/4 in
 Set @: 300 ft
 Sxs Cmt: 80
 Circ: No
 TOC @: 20 ft f / surf
 TOC by: calc

Production Csg.
 Hole Size: 8 3/4 in
 Csg. Size: 7 in
 Set @: 2962 ft
 Sxs Cmt: 300
 Circ: No
 TOC @: 1140 f / surf
 TOC by: calc.

PBTD: 3191 ft
 TD: 3191 ft

OH ID: 6 1/4 in

TOC @ 1140'
 By Calc.

pkc @ 2884'

OH Interval
 2962 - 3191'

LEASE NAME **Cooper Jal Unit**
 STATUS: Active Water Injector
 WELL NC **242 WIW** (Formerly No. 309)
 API# 30-025-11149
 LOCATION: 990 FNL & 1587 FWL, Sec 19, T - 24S, R - 37E; Lee County, New Mexico
 SPUD DATE: TD 3191 KB 3,311' DF
 INT. COMP. DATE: 07/04/50 PBTD 3191 GL 3,303'

ELECTRIC LOGS:

GR-N (7-3-50 Lane Wells)

Yates @ 2985'

GEOLOGICAL DATA

CORES, DST'S or MUD LOGS:

HYDROCARBON BEARING ZONE DEPTH TOPS:

CASING PROFILE

SURF. 10 3/4" - 32#, J-55 set @ 300' Cmt'd w/ 80 sxs - TOC @ 20' from surf by calc.
 PROD. 7" - 23#, J-55 set @ 2962' Cmt'd w/ 300 sxs - TOC @ 1140' from surface by calculation.
 LINER None

CURRENT PERFORATION DATA

CSG. PERFS: OPEN HOLE: 2962 - 3191'

TUBING DETAIL 11/16/2004

ROD DETAIL

Length (ft) Detail
 0.00 KB
 2881.00 92 jts - 2 3/8" 4.7#, CL, J-55, 8rd EUE tbq.
 2.90 1- 5 1/2" x 2 3/8" Baker Model AD-1 pkr.
 2883.90 btm

WELL HISTORY SUMMARY

04-Jul-50 Initial completion interval: 2962 - 3191' (Yates OH). No stimulation. IP= 66 bopd, 0 bwpd, & 88 Mcfgpd (flowing)
 23-Jun-62 Producing 6 bopd, 0 bwpd, & 476 Mcfgpd
 04-Nov-75 CONVERTED TO INJECTION: C/O fill from 3050 - 3191' (141'). Ran pkr on 2 3/8" CL tbq. Set pkr @ 2921'. Placed well on injection.
 01-Sep-93 C/O paraffin, and iron sulfide from 3000 - 3140'. C/O fill to 3191'. Jet was from 3191 - 2692'. Ran pkr on 2 3/8" CL tbq. Set pkr @ 2884'.
 10-Nov-04 Test csg. OK. Initiated injection - 541 bwpd @ TP=310 psi.
 7" casing parted below flange. POOH with 2 3/8" cement lined tubing and 7" packer. Ran GR, CCL from 2669' to surface, found DV Tool at 1300', TOC at 304'. Ran Electric Magnetic Multi-Arm Caliper Log from 509' to surface. Backed 7" casing at 280' and recover. RIH 9 joints - 7" casing. RIH with 6 1/4" bit, 6 - 3 1/2" drill collars. Cleaned out well with bridges at 2950', 2980', 3075', and cleaned to 3191'. RIH with 1 1/4" Perf-Clean Tool on 2 7/8" tubing. Wash open hole with fresh water mixed with 2% KCl plus 3 gallons surfactant per 1000 gallons. Washed in 4 stages at 4 BPM. Pavg=2650 psig. Circulate well with 74 bbls surfactant water. Acidized from bottom up with 3,000 gallons 15% NEFE HCl acid. Pavg= 1475. BPM = 2.5. RIH with injection packer on 2 3/8" IPC tubing to 2,884'. Circulated annulus with inhibited packer fluid. Performed MIT (press test to 515 psig for 35 minutes) and pulled pressure chart for NMOCD filling. Placed well on injection at 270 BWPD.

PREPARED BY: Larry S. Adams D. Carrizales UPDATED: 18-Nov-04

