

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

RECEIVED  
FEB 14 2011  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. 30-025-09634
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. 306443
7. Lease Name or Unit Agreement Name Cooper Jal Unit
8. Well Number 216
9. OGRID Number 263848
10. Pool name or Wildcat Jalmat; T-Y-7R/ Langlie Mattix; 7R-Q-G

<p>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.)</p>	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Injector <input checked="" type="checkbox"/>	
2. Name of Operator Resaca Operating Company	
3. Address of Operator 2509 Maurice Road, Odessa, TX 79763	
4. Well Location Unit Letter M : 660 feet from the South line and 660 feet from the West line Section 24 Township 24S Range 36E NMPM Lea County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3324' GL	

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 ☐  
 DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

- REMEDIAL WORK ☐ ALTERING CASING ☐  
 COMMENCE DRILLING OPNS. ☐ P AND A ☐  
 CASING/CEMENT JOB ☐

OTHER: Clean Out & Acidize Injector ☒

OTHER: ☐

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.

- MIRU Pulling Unit and Above Ground Steel Pit.
- POOH w/ 2 3/8" tubing and 4 1/2" x 2 3/8" Baker AD-1 Tension Packer.
- RIH w/ 4 3/4" Bit & 6- 3 1/2" Drill Collars on 2 7/8" work string.
- RU swivel and clean out well to 3780'.
- Acidize OH 3035'-3780' w/ approximately 10,000 gallons 90/10 Mixture of NEFE 15% Acid/ Xylene.
- POOH w/ 2 7/8" work string; RIH w/ 2 3/8" tubing.
- RIH w/ 4 1/2" x 2 3/8" Baker AD-1 Tension Packer; circulate annulus with inhibited packer fluid
- Set Packer within 100' of top OH @ 3035'; test annulus to 500 psig for 30 minutes; Pull chart for NMOCD.
- RDMO Pulling Unit, clean location, clean and dispose of pit fluids.
- Place well on Injection at approximately 500 bwpd; Maximum permitted injection pressure is 600 psig.

Per Underground Injection Control Program Manual

Spu 11.6 C Packer shall be set within or less than 100 feet of the uppermost injection perfs or open hole.

Use Date:

Condition of Approval: Notify OCD Hobbs office 24 hours prior of running MIT Test & Chart

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

SIGNATURE Melanie Reyes TITLE Engineer Assistant DATE 2/11/11

Type or print name Melanie Reyes E-mail address: melanie.reyes@resacaexploitation.com PHONE: (432)580-8500  
 For State Use Only

APPROVED BY [Signature] TITLE Staff Mgr DATE 2-15-2011  
 Conditions of Approval (if any):

## WELLBORE SCHEMATIC AND HISTORY

## CURRENT COMPLETION SCHEMATIC

LEASE NAME

Cooper Jal Unit

WELL NO.

216 WIW

STATUS:

Active

Water Injector

API#

30-025-09634

LOCATION: 660' FSL &amp; 660' FWL, Sec 24, T - 24S, R - 36E, Lea County, New Mexico

SPUD DATE:

TD

3210

KB

3,336'

DF

INT. COMP. DATE:

06/07/51

PBDT

3210

GL

3,324'

## ELECTRIC LOGS:

## GEOLOGICAL DATA

## CORES, DST'S or MUD LOGS:

GR-N (6-4-51 Lane Wells) Caliper (5-26-51 Halliburton)

## HYDROCARBON BEARING ZONE DEPTH TOPS:

Yates @ 3040'

7-Rivers @ 3220'

Queen @ 3605'

## CASING PROFILE

SURF. 8 5/8" - 29#, 10V &amp; 32#, 8V, J-55 set@ 269' Cmt'd w/150 sxs - circ cmt to surf.

PROD. 5 1/2" - 17#, J-55 set@ 3035' Cmt'd w/900 sxs - circulated cmt to surface.

LINER None

## CURRENT PERFORATION DATA

CSG. PERFS:

OPEN HOLE :

3035 - 3780'

## TUBING DETAIL

12/14/2004

## ROD DETAIL

## Length (ft)

## Detail

0 KB

2983 98

2 3/8" 4.7#, ceramic coat, J-55, 8rd EUE tbg.

3 1

4 1/2" x 2 3/8" Baker AD-1 packer

2986 btm

## WELL HISTORY SUMMARY

7-Jun-51 Initial completion **3035 - 3210' (Yates OH):** Hydra-Frac w/1,500 gals Kerosene, 400#'s NAPALM Soap & 800#'s **Ottawa sand. IP=165 bopd, 0 bwpd, & 159 Mcfgpd. (flowing)**

8-Dec-52 Refrac OH (3035 - 3210') using 12,000 gals lse oil & 12,000#'s sand.

8-Aug-57 Refrac OH (3035 - 3210') using 20,000 gals lse oil carrying 40,000#'s sand using 6,800#'s mothballs for diversion. AIR=15.8 bpm (3 - 600# blocks)

28-Jun-71 **CONVERTED TO INJECTOR:** C/O stuck tubing. C/O fill to 3210'.

9-Nov-79 Tag fill w/1" sinker bar @ 3055' (155').

30-Jan-85 Isolated 5 1/2" csg leak from 277 - 310'. Sqz cmt csg leak with 400 sxs. C/O to 3210'.

6-Apr-88 Replaced tbg w/new flourolined yellow band tbg. Tst csg to 340 psi. OK.

14-Feb-02 Tag TD using SL unit ( 1 1/4" x 5' sinker bar). Tag fill @ 3044' (166' of fill).

23-May-02 Wash & Work down w/18 bbls Acid to 3150' Acidize w/1260 gals. 15% to 3062' unable to C/O. Flush w/15 bbls 15% acid. ISIP= 1180#. **Injecting @ 450# @ 250 BPD**

6-Nov-03 Cleaned out f/ 3130' to 3210' - TD. RIH w/ Injection string - could not test 2 3/8" Fluoroline lined tubing. Replaced w/ and hydrotest 2 3/8" IPC tubing to 7000 psig. Located 5 1/2" Baker Model AD - 1 at 2995'. Circulated with 70 barrels of 2% KCL with packer fluid. Set packer and and test annulus to 500 psig. Pulled chart for OCD filing.

29-Nov-04 **Rate & Press: 125 bwpd at 1000#.** POOH w/ 2 3/8" IPC tubing and 5 1/2" AD-1 packer. RIH w/ 4 3/4" mill, 10 - 3 1/2" drill collars on 2 7/8" work string. Tagged at 3,190', cleaned out & drilled out to 3,214'. RIH w/ 4 3/4" button bit. Drilled to new TD at 3,780' using 5 drill bits. Ran compensated Neutron log f/ 3,780' to 2,900'. Washed w/ surfactant water & acidized with 6,000 gals 15% NEFE acid via Perf-Clean Tool. RIH with injection string, circulated annulus with inhibited packer fluid. Set packer 2,988'. Could not obtain MIT due to a casing leak. **Shut in well.**

11-Jan-05 **Shut In.** POOH with injection packer and IPC tubing. Set a CIBP at 3,015'.RIH with 4 1/2" float shoe and float collar on **74 - 4 1/2" liner to 3,002'.** Cemented w/ **75 sacks class C star lite plus 50 sacks class C cement**, circulated to surface. Drilled out cement float collar & shoe. Test liner to 1000# - held. Drilled out CIBP at 3,015', **cleaned out to 3,779' RIH with new 2 3/8" tubing. Ceramic Coat tubing and packer to 2,983'.** Circulated with packer fluid.

Pressure annulus to 500# - held. Pulled pressure chart for NMOCD. Placed well on injection: **491 bwpd at 460#.**

08-Nov-05 RIH with 1 1/4" x 5' sinker bar and **tagged at 3,780' (TD).**

## Surface Csg

Hole Size: 11 in

Csg. Size: 8 5/8 in

Set @: 269 ft

Sxs Cmt: 150

Circ: Yes

TOC @: surf

TOC by: circ

Sqz'd csg leak  
277 -310'

## Liner

Lnr Size: 4 1/2"

Set @: 3,002'

Sxs Cmt: ass C

Circ.: Yes

## Production Csg.

Hole Size: 7 5/8 in

Csg. Size: 5 1/2 in

Set @: 3035 ft

Sxs Cmt: 900

Circ: Yes

TOC @: surface

TOC by: circ.

pkr@ 2995'

Jalmat

Yates @ 3040'

OH Interval

3035 - 3780'

7-R @ 3220'

Langlie Mattix  
at 3400'

Queen @ 3605'

PBDT: 3780 ft

TD: 3780 ft

OH IC 4 3/4 in

PREPARED BY:

Larry S. Adams

D. Carrizales

UPDATED:

26-Jan-05