

Office
District I - (575) 393-6161
1625 N French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S St Francis Dr., Santa Fe, NM
87505

HOBBS OCD

MAR 01 2012

RECEIVED

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

WELL API NO. 30-025-09561
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. 306444
7. Lease Name or Unit Agreement Name Cooper Jal Unit
8. Well Number 234
9. OGRID Number 263848
10. Pool name or Wildcat Jalmat; Tansill-Yates-7Rivers

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)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other Injector2. Name of Operator
Resaca Operating Company3. Address of Operator
1331 Lamar Street, Suite 1450 Houston, TX 77010

4. Well Location
Unit Letter O : 330 feet from the South line and 1650 feet from the East line
Section 13 Township 24S Range 36E NMPM Lea County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3315' 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 ☐

OTHER: Locate casing leak & cement squeeze if necessary,
Run MIT ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

Per Underground Injection Control Program Manual
11.6 C Packer shall be set within or less than 100 —
feet of the uppermost injection perfs or open hole.

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Objective: Locate casing leak & repair with cement squeeze if necessary. Run Mechanical Integrity Test.

- 1.) MIRU Pulling Unit & Above Ground Steel Pit
- 2.) Pressure Test casing to locate leak.
- 3.) Once leak is located, cement squeeze if necessary, w/ appropriate sacks of cement.
- 4.) Drill out cement & circulate well clean.
- 5.) Pressure Test casing to make sure casing repair was successful.
- 6.) Run Mechanical Integrity Test (Notify NMOCD- Hobbs 24 hrs. prior to test); Pull chart for NMOCD.
- 7.) RDMO Pulling Unit, clean location, clean & dispose of pit fluids. Place well on injection.

The Oil Conservation Division

MUST BE NOTIFIED 24 Hours

Spud Date: **Prior to the beginning of operations**

Rig Release 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 2/27/2012Type or print name Melanie Reyes E-mail address: melanie.reyes@resacaexploitation.com PHONE: (432) 580-8500

For State Use Only

APPROVED BY: Melanie Reyes TITLE Engineer Assistant DATE 2/27/2012Conditions of Approval ny:

MAR 01 2012

MAR 01 2012

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

LEASE NAME

Cooper Jal Unit

WELL NO

234 WIW

STATUS

Active

Water Injector

API#

30-025-09561

LOCATION

330 FSL & 1650 FEL, Sec 13, T - 24S, R - 36E, Lee County, New Mexico

SPUD DATE

TD

3228

KB

3,325'

DF

INT COMP DATE

06/06/50

PBDT

3101

GL

3,315'

ELECTRIC LOGS

GEOLOGICAL DATA

CORES, DST'S or MUD LOGS

Tracer Survey (3-17-78 Cardinal Surveys)

HYDROCARBON BEARING ZONE DEPTH TOPS

Yates @ 2988'

7-Rivers @ 3212'

Queen @ 3585'

CASING PROFILE

SURF 8 5/8" - 28#, J-55 set@ 304' Cmt'd w/125 sxs - circ cmt to surf

PROD 5 1/2" - 14#, J-55 set@ 2985' Cmt'd w/200 sxs - TOC @ 1930' from surface by calculation

LINER None

CURRENT PERFORATION DATA

CSG PERFS

OPEN HOLE

2985 - 3228'

TUBING DETAIL

1/29/2011

ROD DETAIL

Length (ft)

Detail

0 KB

2890 91 jts - 2 3/8" 4 7#, IPC, J-55, 8rd EUE tbg

7 1- 5 1/2" x 2 3/8" Arrow 1X PKR w/ on-off tool on top

2897 btm (estimated)

TOC@ 1930'
By Calc

WELL HISTORY SUMMARY

6-Jun-50 Initial completion interval (Yates/7 RVRS OH) 2,985 - 3,228': No stimulation
IP = 48 bopd, 0 bwopd, & 54 Mcfgpd (flowing)

1-Jun-65 TA'd well.

1-Aug-71 CONVERTED WELL TO INJECTION; C/O fill to 3150' (hole continued to cave in)

1-Sep-81 Ran injection profile Fill tagged at 3101'. Did not C/O fill

04-Feb-02 Tag TD using SL unit (1 1/4" x 5' sinker bar) Tag fill @ 2980' (121' of fill)

02-May-02 RIH & tag fill @ 2985, wash w/ surfactant water to 2989', unable to clean through Spot 2 BBLS acid & let stand 15 minutes
Start pump Try to clean out, unable to clean out POH w/ coil tubing

09-Nov-05 RIH with 1 1/4" x 5' sinker bar and tagged at 2,973'

25-Jan-11 POOH with injection Cement Lined tubing & 5 1/2" AD-1 PKR RIH with 4 3/4" bit & DCs on 2 7/8" work string. Cleaned out from 3,040' to 3,228' Recovered oil and parafin Hydrotested 2 7/8" work string to 7,000 psig Set Arrow 1X PKR at 2,897'.
Acidized with 240 bbls 15% HCl w/ 12,000 gallons 15% (90/10, acid/Xylene) Divert w/ 17,000# Rock Salt AIR= 6.5 bpm Pavg= 1858 psig Pmax= 5,500 psig Rock Salt plugged at PKR POOH laying down 2 7/8" work string Hydrotest 2 3/8" IPC tubing to 5,000 Pumped 121 bbls acid the next day Performed MIT Pulled chart for OCD

pkR @ 2897'

Yates @ 2988'

Top of Fill @ 2973'

OH Interval

2985 - 3228'

Production Csg.

Hole Size 7 7/8 in

Csg Size 5 1/2 in

Set @ 2985 ft

Sxs Cmt 200

Circ No

TOC @ 1930 f / surf

TOC by calc

PBDT 3101 ft

TD 3228 ft

OH ID 4 3/4 in

PB w/ sand

7-R @ 3212'

Queen @ 3585'

PREPARED BY

Larry S Adams

UPDATED

07-Feb-11