

Submit 1 Copy To Appropriate District 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

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised August 1, 2011

HOBBS OGD

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

MAR 23 2012

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.)		WELL API NO. 30-025-09561
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/> Injector <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator Resaca Operating Company		6. State Oil & Gas Lease No. 306444
3. Address of Operator 1331 Lamar Street, Suite 1450 Houston, TX 77010		7. Lease Name or Unit Agreement Name Cooper Jal Unit
4. Well Location Unit Letter <u>O</u> : <u>330</u> feet from the <u>South</u> line and <u>1650</u> feet from the <u>East</u> line Section <u>13</u> Township <u>24S</u> Range <u>36E</u> NMPM Lea County		8. Well Number <u>234</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3315' GL		9. OGRID Number 263848
		10. Pool name or Wildcat Jalmat; Tansill-Yates-7Rivers

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: ☐

OTHER: Tested Casing, Locate any problems, Run MIT ☒

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 any problems and Run Mechanical Integrity Test.

- 1.) MIRU Pulling Unit & Above Ground Steel Pit. NDWH. NU BOP. 3/15/12
- 2.) Unset Packer & POOH w/ tubing, laid down Packer; RU Hydro Tester & RIH w/ Injection Packer. ND BOP.
- 3.) Circulated Packer fluid & set Packer @ 2897' (Top of OH- 2985'), wouldn't test. POOH w/ tbg & pkr.
- 4.) RIH w/ Plug & Packer, set Plug @ 2889', set Packer @ 2867'; Started testing casing, casing test good, no leaks.
- 5.) Unset Plug & Pkr & POOH; RIH w/ Packer & tested tubing, test good. (Notify NMOCD of MIT)
- 6.) ND BOP, circulated Packer fluid, set Packer @ 2897', Tested annulus to 460 psi, test good (Pull chart for NMOCD). 3/20/12
- 7.) RDMO Pulling Unit, clean location, clean & dispose of pit fluids. Place well on injection. 3/20/12

Spud Date: 3/15/12

Rig Release Date: 3/20/12

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 3/22/2012

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 3-26-2012

Conditions of Approval (if any):

MAR 28 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

PBTB

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

3/19/2012

ROD DETAIL

Length (ft)

Detail

0

KB

2890

92

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

7

1

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

2897

btm

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 w/ injection Cement Lined tbg & 5 1/2" AD-1 PKR RIH w/ 4 3/4" bit & DCs on 2 7/8" work string Cleaned out from
3,040' to 3,228' Recovered oil & parafin Hydrotested 2 7/8" work string to 7,000 psig Set Arrow 1X PKR at 2,897'.

Acidized w/ 240 bbls 15% HCl w/ 12,000 gals 15% (90/10, acid/Xylene) Divert w/ 17,000# RS AIR= 6.5 bpm Pavg= 1858#

Pmax= 5,500#. Rock Salt plugged at PKR POOH laying down 2 7/8" work string Hydrotest 2 3/8" IPC tbg to 5,000 psig Pumped
121 bbls acid the next day Performed MIT Pulled chart for OCD. Prior: 283 bwopd @ 867#; After 322 bwopd @ 800#.

14-Mar-12 POOH with injection string Laid down PKR Hydrotest tubing MIT failed RIH with RBP & PKR. Casing test good
Hydrotest injection in hole - good MIT passed

pkf @ 2897'

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

Yates @ 2988'

Top of Fill @ 2973'

OH Interval

2985 - 3228'

PBTB 3101 ft

TD 3228 ft

PB w/ sand

7-R @ 3212'

OH ID 4 3/4 in

Queen @ 3585'

PREPARED BY

Larry S Adams

UPDATED

21-Mar-12

