

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
June 19, 2008

RECEIVED

OIL CONSERVATION DIVISION

DEC 06 2010

HOBBSUCD

1220 South St. Francis Dr.
Santa Fe, NM 87505

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. 30-025-11052 ✓
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <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. 306443
3. Address of Operator 2509 Maurice Road, Odessa, TX 79763		7. Lease Name or Unit Agreement Name Cooper Jal Unit ✓
4. Well Location Unit Letter <u>J</u> : <u>1980</u> feet from the <u>South</u> line and <u>1980</u> feet from the <u>East</u> line Section <u>18</u> Township <u>24S</u> Range <u>37E</u> NMPM Lea County ✓		8. Well Number 244 ✓
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3301'		9. OGRID Number 263848 ✓
		10. Pool name or Wildcat Jalmat/ Langlie Mattix ✓

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: Perform MIT to put well back on for purpose of injection ☒

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.

Objective: Perform MIT to put well back on for purpose of injection.

1) Notify OCD of MIT on well. MIRU pump truck.

2) Test annulus to 500 psi, run chart & pull chart for NMOCD; 3 1/2" Arrow Set 1-X set @ 2794'; Top Perf @ 2850'.

3) RD pump truck. Place well on injection @ approximately 600 BWP and 570 psi (C-108 approved, WFX-876)

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

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.

Spud Date:

Rig Release Date:

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

SIGNATURE MAR TITLE Engineer Assistant DATE 11/30/10

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 MAR DATE 12-8-10

Conditions of Approval (if any):

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

LEASE NAME

Cooper Jal Unit

WELL NO.

244 W (Formerly 149 & 306)

STATUS:

Active

Oil

API#

30-025-11052

LOCATION:

1980 FSL & 1980 FEL, Sec 18, T - 24S, R - 37E; Lee County, New Mexico

SPUD DATE:

TD

3601

KB

3,311'

DF

INT. COMP. DATE:

08/10/46

PBD

GL

3,301'

ELECTRIC LOGS:

GR-N from 2800 - 3498 (8-17-48 Lane Wells)
GR-PFC (6-7-83 Dresser Atlas)

CORES, DST'S or MUD LOGS:

HYDROCARBON BEARING ZONE DEPTH TOPS:

Yates @ 2960'

7-Rivers @ 3202'

Queen @ 3560'

CASING PROFILE

SURF. 8 5/8" - 32#, J-55 set @ 1050' Cmt'd w/400 sxs - circ cmt to surf.

PROD. 5 1/2" - 15.5#, J-55 set @ 3452' Cmt'd w/250 sxs - TOC @ 1950' from surface by calculation.

LINER 4" - 9.5#, J-55, FJ csg. set from (Slotted 1/3601 - 3438 & 3438 - 3336)

LINER 3 1/2" 9.2# J-55 Super Max set 1/2828' to surface, Cmt'd w/ 60 sx w/ 6% gel, tailed w/ 60 sx Class C neat. TOC @ 740' by TS

CURRENT PERFORATION DATA

CSG. PERFS:

3152 - 3205 w/1 spr (1990IES), 2850'-3090' Cmt sqz'd perfs, 3152'-3205' Cmt sqz'd perfs

OPEN HOLE:

3452 - 3601

TUBING DETAIL

1/16/2008

ROD DETAIL

2785' 87 jts 2 3/8" J-55 4.6# IPC Super Max w/ Special Clearance Collars

5

2 3/8" x 3 1/2" Arrow Set Pkr w/ on/off Tool w/ 1.25 F Profile Nipple

2794'

WELL HISTORY SUMMARY

10-Aug-46 Initial completion interval: 3452 - 3601' (Seven RVS/Queen OH). Treated w/ 240 qts nitro.

IP= 108 bopd, 0 bwppd, & 205 Mcfcpd (flowing)

16-Nov-51 C/O fill 1/3481 - 3591' (110'). Plug back 1/3591 - 3585' w/ cmt to shut off water. After WO: 4 bopd & 0 bwppd

23-Apr-53 Set CIBP @ 3425' & dmp 2 sxs cmt on top. Perf'd (Yates) 1/3152 - 3205' w/ 4 spf. Frac'd perfs w/ 15,000 gals

Kerosene. After WO: 1171 Mcfcpd @ TP=533 psi (flowing)

20-Aug-65 Producing 357 Mcfcpd @ TP=174 psi (flowing)

12-Jun-66 Perf'd Yates 1/2850', 2900', 2910', 2970', 2990', 3010', 3030', 3050', 3070', 3090' w/ 1 spf (10 holes). Acdd'd perfs

2850'-3090' w/ 1500 gals NE acid dropping 20 BSs. Swabbed dry. Frac perfs w/ 15,000 gals lease oil & 15,000#s

20/40 sand. Swabbed in well. Flowing 443 Mcfcpd 1/ perfs 2850'-3090'. Pulled BP & comingled all perfs.

After WO: 375 Mcfcpd @ TP= 150 psig. Did not recover frac load oil.

11-Oct-68 C/O 340' of salt and sand plugged tubing.

15-Jun-74 Drid out CIBP @ 3425' and cmt plug from 3585 - 3601'. Ran downhole hydraulic pumping equipment. Place all zones

on production. After WO: 33 bopd, 4 bowp, & 528 Mcfcpd

9-Feb-76 Producing 21 bopd & 13 bwppd

19-Mar-76 C/O fill 1/3481 - 3591' (110'). Plug back 1/3591 - 3585' w/ cmt to shut off water. After WO: 4 bopd & 0 bwppd.

19-Mar-76 C/O to 3601. Frac OH 3452'-3601' w/30,000 gals gelled wtr & 40,000#s sand using 1000#s rock salt in 3 stages.

After WO: 36 bopd & 25 bwppd (pmp)

30-Sep-77 Acdd'd w/1000 gals 15% HCL + by a chem sqz. Before WO: 16 bopd & 40 bwppd. After WO: 13 bopd & 53 bwppd

8-Nov-79 Downhole commingled production. Changed well number to 244 (NMOCD Order #R-6173)

9-Aug-82 Cmt sqz'd perfs 3152 - 3205'. Set 4" FJ liner from 3336 - 3601' (4" liner section 3438 - 3601' is slotted). Acdd'd 3452'-3601' w/ 2,500 gals.

8-Jun-83 Perf'd Yates 1/2850 - 3205' (19 - 0.44" holes total). Acdd'd perfs w/3,000 gals.

20-Jul-00 Set CIBP @ 2800'. Circ csg w/ gelled brine. Spot 50 sxs cmt from 2800'-3200'. Perf'd 6 holes @ 1310'. Spotted 50 sxs cement from 1350 - 1000'. WOC. Tagged TOC @ 945'. Circ 18 sxs cmt from 60' to surface. Installed Dry hole marker and cleaned location. NMOCD notified - well P&A'd 7-24-2000.

09/05/07 RIH w/ 4 3/4" bit, drilled surf plug. Fell out at 90', tagged @ 1000'. Drilled plug 1/1000' to 1245'. Water flow 1/ sqz holes

at 1310'. Tagged tight spot @ 55', worked thru spot w/Con-Cave Mill. Sqz'd holes w/ 33 bbls Class C cement. D/O cmt

and test to 500#. Tagged 3rd plug @ 2645', dropped out at 2728' (rec. pieces of cast iron & metal). Tagged CIBP @

2728', drilled & dropped to 3351'. drilled to 3390', rec. cast iron. RIH w/ 3 3/8" bit, tagged at 3390'. Drilled to 3560',

recovered metal, cast iron, BSs & form. POOH w/ bit, had top joint (35') of 4" liner. Set 5 1/2" AD-1 PKR at 2821' & 2791',

would not test. Set Composite Plug @ 2830'. Hydrotect 95-3 1/2", J-55, 9.2#, Super Max Lnr in hole to 7000#. Spearhead

w/10 bbls lime spacer & 60 sx cmt w/6% gel, tailed w/60 sx Class C neat. Cut & weld 3 1/2" bell nipple. TS shows TOC @

740'. RIH w/2 3/8" collar w/Kut-Rite, drill cmt 1/2737', float collar @ 2787'. Could not make anymore hole. RIH w/ 2 3/4"

bit, D/O float collar @ 2787' & float shoe @ 2828'. D/O Composit plug @ 2838'. Tagged BTM @ 3594'. RIH w/ 3 1/2"

Nickle Plated Arrow Set Pkr. To 2790'. Circ'd w/45 bbls 2% KCL. Test to 500#-okay.

01/15/09 POOH with 2 3/8" IPC tubing and 3 1/2" Arrow Set 1-X PKR. Found scale & parafin stucked in PKR. RIH with Notch collar - tagged at 3,550'. RIH with 3 1/2" Arrow Set 1-X PKR. Pressure test annulus to 460# - held. Place well on injection.

Surface Csg

Hole Size 11 in

Csg. Size 8 5/8 in

Set @: 1050 ft

Sxs Cmt: 400

Circ: Yes

TOC @: surf

TOC by: circ

TOC @ 740' of

3 1/2" Lnr

by TS

Perf'd 6 holes

@ 1310'

TOC @ 1950'

By Calc.

Production Liner

3 1/2" J-55 SM

2828'-Surf

Cmt'd w/ 120sx

TOC @ 740'

Pkr 3 1/2" @ 2794'

3 1/2" Lnr Shoe

at 2828'

Yates @ 2960'

2850 - 3090'

3152'-3205'

7-Rs @ 3202'

4" slotted liner

3470' - 3601'

OH Interval

3452 - 3601

Queen @ 3560'

Slotted Liner

Hole Size 4 3/4 in

Csg. Size 4 in

Top: 3336 ft

Btm: 3601 ft

Sxs Cmt: None

Circ: NO

TOC @: unknown

TOC by:

PBD: 0 ft

TD: 3601 ft

Fill at 3594'

OH IL 4 3/4 in

PREPARED BY:

Larry S. Adams

Domingo Carrizales

UPDATED:

23-Jan-09