

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103

June 19, 2008

RECEIVED

OIL CONSERVATION DIVISION

APR 07 2011

HOBBS

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO. 30-025-32570 ✓
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 409 ✓
9. OGRID Number 263848 ✓
10. Pool name or Wildcat Jalmat; T-Y-7R/ Langlie Mattix; 7R-Q-G ✓

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 ☐ ✓2. Name of Operator
Resaca Operating Company ✓3. Address of Operator
2509 Maurice Road, Odessa, TX 797634. Well Location
Unit Letter K : 2500 feet from the South line and 1450 feet from the West line
Section 24 Township 24S Range 36E NMPM Lea County ✓11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3331' 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: Clean Out, Add Perfs and Foam Sand Frac ☒

SUBSEQUENT REPORT OF:

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

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.

- 1.) MIRU Pulling Unit and Above Ground Steel Pit; NU BOP; POOH w/ rods and tubing.
- 2.) Clean out to TD @ 3750'.
- 3.) Perforate Yates f/ 3113'-3239' (2 JHPF, 47', 94 holes) and 7 Rivers f/ 3442'-3490' (2 JHPF, 17', 34 holes).
- 4.) RU Service Company & prep to fracture stimulate well down 4 1/2" work string.
- 5.) Foam Sand Frac Perfs f/ 3034'-3687' w/ approximately 105,000#'s 16/30 Brady Brown Sand & 105,000#'s 16/30 resin coated Brady Brown Sand plus 1.71 MMCF Nitrogen, diverting w/ 130 Ball Sealers.
- 6.) RD Service Company. Install adjustable choke manifold w/ pressure gauge. Flow back well & clean up well, monitoring pressure and sand production until pressure depletes.
- 7.) POOH w/ 2 7/8" work string and lay down packer; clean out frac sand down to 3750'.
- 8.) RIH w/ 2 7/8" tubing, pump and rods.
- 9.) RDMO Pulling Unit, clean location, clean and dispose of pit fluids.

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 Melanie Reyes TITLE Engineer Assistant DATE 4/5/11Type 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 4-11-2011

Conditions of Approval (if any):

✓

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

LEASE NAME

Cooper Jal Unit

WELL NO.

409

STATUS:

Active

Oil

API#

30-025-32570

LOCATION: 2500 FSL & 1450 FWL, Sec 24, T - 24S, R - 36E, Lee County, New Mexico

SPUD DATE: 08/11/94 TD 3750

KB 3,343'

DF

3,342'

INT. COMP. DATE: 10/01/94 PBTD 3717

GL 3,331'

GEOLOGICAL DATA

ELECTRIC LOGS:

GR-CCL (5-21-95 Halliburton)

GR-DLL-MSFL-CSL from 3750 - 2800' (8-19-94 Halliburton)

GR-DLT-CNL-CSNG from 3750 - surface (8-19-94 Halliburton)

CORES, DSTS or MUD LOGS:

HYDROCARBON BEARING ZONE DEPTH TOPS:

Yates @ 3032'

7-Rivers @ 3238'

Queen @ 3608'

CASING PROFILE

SURF. 8 5/8" - 24#, WC-50, ST&C set@ 417'. Cmt'd w/250 sxs - circ cmt to surface.

PROD. 5 1/2" - 15.5#, WC-50, LT&C set@ 3750' Cmt'd w/850 sxs - circ cmt to surface.

LINER. None

CURRENT PERFORATION DATA

CSG. PERFS:

OPEN HOLE :

28-Oct-94 Perf'd Jalmat (Yates) f/ 3034'-49, 3054'-62', 3072'-94', 3116'-19', & 3221'-24'

Perf'd Jalmat (7-Rivers) f/ 3288'-96' w/ 2 spf (118 holes)

28-Oct-94 Perf'd Langlie Mattix f/ 3351'-60', 3416'-20', 3512'-16', 3530'-36', 3610'-15' & 3682'-87' w/ 2spf (66 holes)

TUBING DETAIL

7/15/10

ROD DETAIL

7/15/10

Length (ft)

Detail

Length (ft)

Detail

0

KB

20

1 26' x 1 1/4" polish rod w/ 7/8" Pin

2860 88

2 7/8" 6.5#, J-55, 8rd EUE tbq.

0

1 1 1/4" x 1 1/2" x 14' liner

3

1

5 1/2" x 2 7/8" TAC

2

1 2" - 7/8" Pony Sub

672 21

2 7/8" 6.5#, J-55, 8rd EUE tbq.

1225

49 1" D-90 rods

1

1

2 7/8" SN

1000

40 7/8" D-90 rods

4

1

4' x 2 7/8" 6.5#, J-55, 8rd EUE tbq

1000

40 3/4" D-90 rods

30

1

3 1/2" Mud Anchor

250

10 1 1/2" sinker bars

3570 btm

20

1 2 1/2" x 1 3/4" X 20' RHBC rod pump

0

1 1/4" gas anchor

3517

btm

WELL HISTORY SUMMARY

28-Oct-94 Perf'd Langlie Mattix f/ 3351 - 60', 3416 - 20', 3512-16', 3530-36', 3610-15', & 3682-87' w/2 spf (66 holes total). Frac'd with 29,000 gals XLG 2% KCL carrying 136,000#s 16/30 brady sand. Perf'd Jalmat f/ 3034'-3296' w/ 2 spf (118 holes). Frac'd with 43,000 gals XLG 2% KCL carrying 220,000#s 12/20 sand. AIR=30 bpm @1315 psi. ISIP= 1310 psig. Pump test perfs (3034'-3296') for 24 hrs. recovering 58 bopd, 69 bwpd & 71 Mcfgpd. Commingled all perfs.
IP=60 bopd, 107 bwpd, & 170 Mcfgpd (pumping).

28-Feb-95 Tagged fill @ 3695'. Changed out MA

07-Feb-97 Replaced 1 jts 2 7/8" tbq. Visually inspected rod string.

12-Dec-06 POOH with rods, pump and tubing. Tagged fill at 3589'. RIH with 4 3/4" bit, bailed form 3200' to 3700'. Recovered scale and sand. Acidized with 750 gals 15% acid. RIH with production string. PWOP.

15-Jul-10 Long stroke well. Good pump action, temporarily. Load well and test to 500 psig. Bled to 0 psig. POOH with rod, pump and tubing. Hydrotest to 7,000 psig - found split joint above SN. RIH with pump and rods. PWOP.

Jalmat

Yates @ 3032'

3034'-3049'

3054'-3062'

3072'-3094'

3116'-3119'

3221'-3224'

7-Rivers @ 3238'

3288'-3296'

3351'-3360'

3416'-3420'

Langlie Mattix

3512'-3516'

3530'-3536'

Queen @ 3608'

3610'-3615'

3682'-3687'

Surface Csg

Hole Size: 12 1/4 in

Csg. Size: 8 5/8 in

Set @: 417 ft

Sxs Cmt: 250

Circ: Yes

TOC @: surf

TOC by: circ

Production Csg.

Hole Size: 7 7/8 in

Csg. Size: 5 1/2 in

Set @: 3750 ft

Sxs Cmt: 850

Circ: Yes

TOC @: surface

TOC by: circ.

PBTD: 3717 ft

TD: 3750 ft

PREPARED BY:

Larry S. Adams

Domingo Carrizales

UPDATED:

04-Aug-10