

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103

June 19, 2008

RECEIVED

OIL CONSERVATION DIVISION

MAR 17 2011 1220 South St. Francis Dr.

HOBBS

Santa Fe, NM 87505

|   |
|---|
| WELL API NO.<br>30-025-09558  |
| 5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |
| 6. State Oil & Gas Lease No.<br>306443  |
| 7. Lease Name or Unit Agreement Name<br>Cooper Jal Unit   |
| 8. Well Number 107  |
| 9. OGRID Number 263848  |
| 10. Pool name or Wildcat<br>Jalmat; Tansill-Yates-7Rivers   |

|  |  |
|--|--|
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br>(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 <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>   |  |
| 2. Name of Operator<br>Resaca Operating Company  |  |
| 3. Address of Operator<br>2509 Maurice Road, Odessa, TX 79763  |  |
| 4. Well Location<br>Unit Letter <u>K</u> : <u>1650</u> feet from the <u>South</u> line and <u>1980</u> feet from the <u>West</u> line<br>Section <u>13</u> Township <u>24S</u> Range <u>36E</u> NMPM <u>Lea</u> County <u></u> |  |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>3316' 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: Add Perfs and Foam Sand Frac Jalmat ☒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 CIBP @ 3302'.
- 3.) RU Wireline Co. & perforate Yates f/ 2970'-3180', 2 JHPF, 120', 240 holes; 7 Rivers f/ 3222'-3292', 2 JHPF, 21', 42 holes.
- 4.) RU Service Company & prep to fracture stimulate well down 4 1/2" work string.
- 5.) Foam Sand Frac Yates f/ 2970'-3180' & 7 Rivers f/ 3222'-3292' w/ approximately 105,000# 16/30 Brady Brown Sand & 105,000# 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 3302'.
- 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 3/16/11Type 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<br><b>Cooper Jal Unit</b>  |  |
| STATUS: Active   |  | Rod Pump - Gas  |  |
| WELL NO. <b>107</b>  |  | API# <b>30-025-09558</b>  |  |
| LOCATION: 1650 FSL & 1980 FWL, Sec 13, T - 24S, R - 36E, Lee County, New Mexico  |  | SPUD DATE: TD 3611 KB 3,327' DF   |  |
| INT. COMP. DATE: 08/26/52 PBTD 3267 GL 3,316'  |  | GEOLOGICAL DATA   |  |
| ELECTRIC LOGS:<br>GR-N (3-23-52 Lane Wells)<br>CBL-GR-MSG-CCL from 3400 - 1500 ft (11-2-94 Halliburton)  |  | CORES, DST'S or MUD LOGS:   |  |
| HYDROCARBON BEARING ZONE DEPTH TOPS:<br><br>Yates @ 2970' 7-Rivers @ 3178' Queen @ 3550'   |  | CASING PROFILE  |  |
| SURF. 8 5/8" - 28#, J-55 set@ 252' Cmt'd w/200 sxs - circ cmt to surf.   |  | PROD. 5 1/2"-15.5#, J-55 set@ 3426' Cmt'd w/200 sxs - TOC @ 2600' f/ surf. DV tool @1147' - pmp 200 sxs - Sqz csg @ 467'. |  |
| LINER None   |  | TOC @ surf by circ.   |  |
| CURRENT PERFORATION DATA   |  | CSG. PERFS:   |  |
| 3070-3120' w/ 4 spf (200 - 0.56" holes)  |  | OPEN HOLI 3426 - 3611'  |  |
| 3405 - 3415' (Isolated below CIBP)   |  | Isolated below CIBP   |  |
| TUBING DETAIL 8/12/04  |  | ROD DETAIL 8/13/04  |  |
| Length (ft) Detail   |  | Length (ft) Detail  |  |
| 2988 92 92 jts - 2 7/8" 6.5#, J-55, 8rd EUE tbg.   |  | 26 1 1 1/4" x 22' polish rod w/ 7/8" pin  |  |
| 3 1 1 - 5 1/2" TAC   |  | 0 1 1 1/4" x 1 1/2" x 12' liner   |  |
| 96 3 3 jts - 2 7/8" 6.5#, J-55, 8rd EUE tbg.   |  | 20 4 3 - 6' & 1-2', 7/8", D78 pony rods   |  |
| 1 1 1 - 2 7/8" OD - S.N.   |  | 1050 42 43 - 7/8", D78 rods   |  |
| 4 1 2 7/8" Perf Sub  |  | 1800 72 72 - 3/4", D75 rods   |  |
| 31 1 1 - 2 7/8" J-55 MA  |  | 175 7 7 - 1 1/4", sinker bars   |  |
| 3123 btm   |  | 16 1 2" x 1 1/4" X 15' pmp (No RHR)   |  |
|  |  | 0 1 1 1/4" x 6' gas anchor  |  |
|  |  | 3087 btm  |  |
| WELL HISTORY SUMMARY   |  |   |  |
| 26-Aug-52 Initial completion interval: 3426 - 3611' (7 RVRs/Queen - OH). IP=0 bopd, 0 bwpd, 4.4 MMcf/gpd@AOF. ISITP=932 psi.   |  |   |  |
| 1-Jan-56 Attempted to prod. into int. gas line. Well press too low, showing little light oil. Well flwd by heads into csg head gas line.   |  |   |  |
| 1-Jan-58 Shut-in. (Reclass. LM oil)  |  |   |  |
| 15-Feb-73 Converted to injector. C/O to TD @ 3611' & Perf'd 7 RVRs f/3405 - 3415. Acdz'd w/1,500 gals  |  |   |  |
| 14-Jul-78 Sqz'd csg leak @ 446' w/ 160 sxs. Had circulation to surfac. SI braden head and sqz'd cmt to SIP=700 psi. WOC.   |  |   |  |
| Drd out & tst to 1000 psi. OK.   |  |   |  |
| 3-Nov-94 Ran bit & scraper to 3400'. Ran CBL-GR-CCL f/3400 - 1500'. Found TOC @ 2600'. Set CIBP@ 3302' & dmp 35' cmt on top. PBTD= 3267'. Spot 500 gals 10% acetic acid f/3120 - 3070'. Perf'd using 4" csg gun f/3070-3120' w/ 4 spf (200 - 0.56" holes) Frac well w/ 70,000 gals & 233,280#s 12/20 sand. PM=3740 - 2150 psi. AIR=40 bpm. ISIP=900 psi, P15min= 250 psig. C/O sand from 2862'-3262' (PBTD). Placed well on production. Pmp: 0 bopd / 65 bwpd / 357 Mcf.     |  |   |  |
| 12-Aug-04 POOH with rods and pump. Pumped 20 bbls of produced water with 5 gallons of de-emulsifier. Tagged bottom at 3195. Found hole 2 joints above SN. Hydrotest tubing in hole to 7,000# - test good. Set TAC with 18,000# tension. Swabbed well f/ 2900' to 2900', recovered 12 bbls of water with some iron sulfide. RIH pump & rods. PWOP. Laid down 8 - 7/8" and 34 - 3/4" rods due to wear. Note: Found 2 joints with external erosion located across perforations! |  |   |  |
| Yates @ 2970'  |  |   |  |
| 3070'  |  |   |  |
| Jalmat   |  |   |  |
| 3120'  |  |   |  |
| Top of Fill at 3195'   |  |   |  |
| TOC@ 3267'   |  |   |  |
| CIBP@ 3302'  |  |   |  |
| 7-R @ 3178'  |  |   |  |
| L. M.  |  |   |  |
| 3405 - 15'   |  |   |  |
| OH Interval 3426 - 3611'   |  |   |  |
| Queen @ 3550'  |  |   |  |
| PBTD: 3267 ft  |  | OH ID: ### in   |  |
| TD: 3611 ft  |  |   |  |
| PREPARED BY: Larry S. Adams  |  | UPDATED: 17-Aug-04  |  |