

State of New Mexico  
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-103

June 19, 2008

WELL API NO.

30-025-26284

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

306443

7. Lease Name or Unit Agreement Name

Cooper Jal Unit

8. Well Number 154

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

2. Name of Operator Resaca Operating Company

3. Address of Operator

2509 Maurice Road, Odessa, TX 79763

4. Well Location

Unit Letter G : 1550 feet from the North line and 2400 feet from the East line

Section 25 Township 24S Range 36E NMPM Lea County

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

3296' GR

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: Clean Out, Perforate and Foam 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.) RIH w/ 4 3/4" Bit and drill collars on 2 7/8" work string.
- 3.) Clean out & drill out cement to 3200'. POOH w/ work string and bit.
- 4.) RU Wireline Co. and perforate Yates from 3012'-3192', 2 JHPF, 72', 144 holes.
- 5.) RIH w/ 5 1/2" Frac Packer on 4 1/2" work string and set @ 2900'.
- 6.) RU Service Company & prep to fracture stimulate well down 4 1/2" work string.
- 7.) Foam Sand Frac 2976'-3192' w/ 35,000 gals 30# system; plus 105,000# 16/30 Brady Brown Sand & 105,000# 16/30 resin coated Brady Brown Sand; pump 1000 gals 15% NEFE Acid.
- 8.) RD Service Company. Install adjustable choke manifold w/ pressure gauge. Flow back well & clean up well, monitoring pressure and sand production until pressure depletes.
- 9.) POOH w/ 2 7/8" work string and lay down packer; clean out frac sand down to 3192'.
- 10.) RIH w/ 2 7/8" tubing. RIH w/ pump and rods.
- 11.) 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

TITLE

Engineer Assistant

DATE

1/26/11

Type or print name

Melanie Reyes

E-mail address: melanie.reyes@resacaexploitation.com

PHONE:

(432)580-8500

For State Use Only

APPROVED BY:

TITLE

PETROLEUM ENGINEER

DATE

JAN 28 2011

Conditions of Approval (if any):

## WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC		LEASE NAME <b>Cooper Jal Unit</b>		WELL NO. <b>154</b>																																															
		STATUS: <b>Active</b>		Oil																																															
		API# <b>30-02526284</b>																																																	
<b>Surface Csg</b> Hole Size: 11 in Csg. Size: 8 5/8 in Set @: 365 ft Sxs Cmt: 300 Circ: Yes TOC @: surf TOC by: circ		LOCATION: 1550 FNL & 2400 FEL, Sec 25, T - 24S, R - 36E, Lee County, New Mexico SPUD DATE: TD 3655 KB 3,304' DF INT. COMP. DATE: 05/11/79 PBTD 3165 GL 3,296'																																																	
		ELECTRIC LOGS: Forxo Guard (Resistivity) Log (4-30-79 WELEX) GR-CND (4-30-79 Welex) GR-N (5-3-79 Welex) GR-CCL (6-29-99) Schlumberger																																																	
		CORES, DSTS or MUD LOGS:																																																	
		HYDROCARBON BEARING ZONE DEPTH TOPS:  Yates @ 2975'      7-Rivers @ 3195'      Queen @ 3574'																																																	
		<b>CASING PROFILE</b> SURF. 8 5/8" - 24#, K-55 set@ 365' Cmt'd w/300 sxs - circ cmt to surface. PROD. 5 1/2" - 15.5#, K-55 set@ 3655' Cmt'd w/600 sxs - cmt circulated to surface. LINER None																																																	
		<b>CURRENT PERFORATION DATA</b> CSG. PERFS: 11-May-79 <b>Perf'd 7-Rivers f/ 3246 - 3570' 1 spf (19 holes total)</b> 08-Jul-99 <b>Perf'd Yates f/2976 - 3006', 3026 - 46' &amp; 3080 - 94' w/ 2 spf (116 holes total).</b>																																																	
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<b>Production Csg.</b> Hole Size: 7 7/8 in Csg. Size: 5 1/2 in Set @: 365 ft Sxs Cmt: 600 Circ: Yes TOC @: surface TOC by: circ  PBTD: 3165 ft TD: 3655 ft		<b>WELL HISTORY SUMMARY</b> Yates @ 2975' - 2976'-3006' 11-May-79 IC: <b>3246 - 3570' (7-R/Q)</b> . Acdz'd w 4,500 gals & Frac'd w/40,000 gals carrying 34,000#'s 20/40 sand & 15,000#'s 10/20 sand in 2 equal stages. Max sand concentration reached was 2 ppg. <b>IP=264 bopd, 24 bwpgd, &amp; 113 Mcfgpd (pmppg).</b> 18-Jun-83 Replaced 1 jt tbg. 15-Nov-86 DSI 72 hr. pressure build-up. 10-Aug-88 C/O fill from 3505 - 3614' (109'). Acdz'd w/2,500 gals 15% NEFE HCL dropping 25 ball sealers. Before WO: .7 bopd, 12.7 bwpgd & 2.6 Mcfgpd. <b>After WO: 11.2 bopd, 52 bwpgd &amp; 10 Mcfgpd</b> 14-Dec-95 Cut paraffin in top 1,000' of tbg. Acdz'd perfs 3246 - 3570' w/3,000 gals 20% NEFE HCL in 3 stages w/ 2 - 1,000# rock salt blocks. AIR=3 bpm @ 650 psi. Returned well to production. 08-Jan-96 Change out rod pump. 08-Jul-99 Set <b>CIBP @ 3200'</b> . Tst csg @ 550 psi. Good tst. <b>Perf'd 2976'-3006', 3026'-46' &amp; 3080'-94' w/ 2 spf - 120 degree phasing (116 holes total)</b> Ran dmp bailer & dmp 35' of cmt on top of CIBP. <b>PBTD @ 3165'</b> . Acdz'd 3,000 gals 15% NEFE HCL using 2,000#'s RS in 4 stages. AIR=3 bpm @ 2,000#. ISIP=840#, P15min=460#. Frac perfs w/16,249 gals X-link fluid carrying 52,000#'s 16/30 brady sand. AIR=30 bpm @ 1432#. ISIP=1021#, P15min=950#. C/O sand to 3195'. PWOP. 21-Sep-99 Change out rod pump. 28-Feb-02 Hydrotest in hole. Replaced 1 jt tbg. 29-Oct-02 Hydrotest in hole. Replaced 3 jt tbg. Placed well on pump. 10-Apr-03 Set a Bethlehem 228 pumping unit. 21-Jul-06 Long stroke well. 04-Dec-06 POOH w/rods, pump & tbg. Hydrotest tbg in hole to 7000# - found split 92nd & pin hole on 1st jt. RIH w/ pump & rods. PWOP.																																																	
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		PREPARED BY: Larry S. Adams      Domingo Carrizales      UPDATED: 03-Jan-07																																																	