

RECEIVED

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HOBBSDO

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-025-09662

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil &amp; Gas Lease No.

306443

7. Lease Name or Unit Agreement Name

Cooper Jal Unit

8. Well Number 140

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 79763

4. Well Location

Unit Letter A : 990 feet from the North line and 990 feet from the East lineSection 25 Township 24S Range 36E NMPM Lea County

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

3290' 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 @ 3615'.
- 3.) RU Wireline Co. & perforate Yates f/ 3006'-3210', 2 JHPF, 85', 170 holes.
- 4.) RU Service Company & prep to fracture stimulate well down 4 1/2" work string.
- 5.) Foam Sand Frac Yates f/ 3006'-3210' & OH 3420'-3615' 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 3615'.
- 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

TITLE

Engineer Assistant

DATE

3/16/11

Type or print name

Melanie Reyes

E-mail address:

melanie.reyes@resacaexploitation.com

PHONE: (432)580-8500

For State Use Only

APPROVED BY

TITLE

STATE MEMBER

DATE

4-11-2011

Conditions of Approval (if any):

WELLBORE SCHEMATIC AND HISTORY											
CURRENT COMPLETION SCHEMATIC			LEASE NAME <b>Cooper Jal Unit</b>				WELL NO <b>140</b>				
<div style="border: 1px solid black; padding: 5px;"> <b>Surface Csg</b>            Hole Size: 11 in            Csg. Size: 8 5/8 in            Set @: 286 ft            Sxs Cmt: 150            Circ: Yes            TOC @: surf            TOC by: circ         </div>			STATUS: <b>Active</b>			Oil			API# <b>30-025-09662</b>		
			LOCATION: 990 FNL & 990 FEL, Sec 25, T - 24S, R - 36E, Lee County, New Mexico								
			SPUD DATE: TD 3616			KB 3,296'			DF		
			INT. COMP. DATE: 06/10/54 PBDT 3616			GL 3,290'					
<div style="border: 1px solid black; padding: 5px;"> <b>Production Csg.</b>            Hole Size: 7 7/8 in            Csg. Size: 5 1/2 in            Set @: 3420 ft            Sxs Cmt: 300            Circ: No            TOC @: 673 f/ surf            TOC by: calc.         </div>			ELECTRIC LOGS:      GEOLOGICAL DATA      CORES, DST'S or MUD LOGS:								
			GR-N (6-11-54 Schlumberger)								
			HYDROCARBON BEARING ZONE DEPTH TOPS:								
			Yates @ 2988'			Queen @ 3210'			Queen @ 3575'		
<div style="border: 1px solid black; padding: 5px;">           cmt sqz csg leak            384 - 508'             TOC @ 673'              DV Tool @ 1207'              TOC @ 2380'            By Calc.         </div>			CASING PROFILE								
			SURF. 8 5/8" - 24#, H-40 set@ 286' Cmt'd w/150 sxs - circ cmt to surf.								
			PROD. 5 1/2" - 14#, J-55 set@ 3420' Cmt'd w/200 sxs - TOC @ 2380' from surf. DV tool @1207' - pmp 100 sxs -								
			LINER None 5 1/2" - TOC@ 673' f/ surf by calc.								
<div style="border: 1px solid black; padding: 5px;">           Yates @ 2988'             2989'             3183'             7 - R @ 3210'             3250'            3269'             OH Interval            3420'-3616'             Queen @ 3575'             Fill @ 3601'            CIBP Fish @ 3615'            OH ID: 4 3/4 in         </div>			CURRENT PERFORATION DATA								
			CSG. PERFS:      OPEN HOLE:      Langlie Mattix								
			18-Feb-87 <b>Perf'd Jal (Yates) f/ 2989', 91', 93', 95', 97', 99', 3001', 03', 05', 12', 17', 25', 27', 29', 31', 40', 42', 44', 46', 53', 58', 65', 69', 72', 75', 84', 93', 3105', 08', 14', 17', 20', 26', 31', 38', 43', 48', 54', 69', 70', 76', 78', 83', w/ 2 spf (86 holes total).</b>								
			18-Feb-87 <b>Perf'd Jalmat (7-Rivers) f/ 3250', 58', 61', 65', &amp; 69', w/ 2 spf (10 holes total).</b>								
<div style="border: 1px solid black; padding: 5px;">           PBDT: 3616 ft            TD: 3616 ft         </div>			TUBING DETAIL      5/6/2010				ROD DETAIL      5/6/10				
			Length (ft)      Detail				Length (ft)      Detail				
			2960 94 2 7/8" 6.5#, J-55, 8rd EUE tbg.				18 1 22' x 1 1/4" polish rod w/ 3/4" Pin				
			5 1 5 1/2" x 2 7/8" TAC				0 1 1 1/4" x 1 1/2" x 12 liner				
556 18 2 7/8" 6.5#, J-55, 8rd EUE tbg.				4 2 2', 2' - 7/8" K pony rods							
1 1 2 7/8" SN				1125 45 3/4" steel K rods							
4 1 2 7/8" Perf Sub				2200 88 7/8" steel K rods							
31 1 3 1/2" Mud Anchor				150 6 6 - 1 1/2" sinker bars							
3557 btm				2 1 2', 2' - 7/8" K pony rod							
				16 1 2 1/2" x 1 1/2" X 16' RHBC							
				0 1 1 1/4" x 6' gas anchor							
				3515 btm							
WELL HISTORY SUMMARY											
10-Jun-54 Initial completion interval: 3420 - 3520' (Queen OH). Frac'd w/4,000 gals / 6,000#s sand. IP= 82 bopd, 0 bwpd, & GOR=4291											
01-Jan-56 C/O frac sand from 3503 - 3520' (17' of fill)											
18-Feb-87 <b>Deepened f/3520'-3616'</b> . Acdd'd OH (3420'-3616') w/5,000 gals 15% NEFE HCL & 1500#s rock salt in 3 equal stages. Found <b>bad 5 1/2" csg f/384'-508'</b> . Sqz'd csg leak w/200 sxs @ 550 psi SIP. Drid out cmt & tst csg @ 300 psi. OK. Frac OH (3420'-3616') w/37,800 gals 40# X-L & 82,000#s 12/20 sand (1.5 - 7 ppg) using 1000#s RS as diverter. AIR=24.9 bpm. PM= 3460 - 2250 psi. IFIP=1150 psi, P15min=1070 psi. C/O sand f/3430'-3616' (185'). <b>Perf'd 2989'-3269' w/ 2 spf (96 holes total). Set CIBP @ 3320'</b> . Acdd'd perfs 2989 - 3269' w/ 4,500 gals 15% NEFE dropping 150 BSs. Very good ball action. PM= 3100-1300 psi. AIR= 5 bpm, ISIP=450 psi, P5min=vac. Frac'd perfs 2989'-3269' w/33,810 gals 40# gelled X-L water carrying 75,650#s 12/20 sand f/1.5ppg to 6 ppg concentration. PM= 4410 - 2594 psi. AIR=18 bpm, ISIP=1272, P15min= 1089 psi. C/O frac sand. Tried to Dlg CIBP. Could not. <b>Pushed CIBP to 3615'</b> & left. Ran prod equip. PWOP.											
23-Sep-91 Replaced 1 bad jt tbg. Returned well to production.											
18-Jan-96 Pulled rods & pmp. Drop standing valve & tst tbg to 500 psi. Tst OK. Change out pmp. Re-ran pmp & rods. PWOP.											
10-Jun-96 Repaired rod part & changeout pmp. Return well to production.											
15-Oct-97 C/O fill from 3592 - 3615' (23'). Ran production equipment & returned well to production.											
13-May-04 POOH w/rods. Couldn't fish parted pmp. <b>Tagged @ 3601'</b> , tally out of hole. Hydrotest tbg in hole to 7000#. PWOP.											
20-Feb-06 POOH w/rods, pmp & tbg. Found hole on jt above SN. Hydrotest tbg in hole to 6000#. RIH w/ pump & rods. PWOP.											
15-Aug-08 POOH with rods, pump and tubing. Hydrotest tubing in hole - found hole on jt above SN. RIH with pump & rods. PWOP.											
05-May-10 POOH with rods, pump and tubing. <b>Ran pressure gradient</b> at 500' feet interval. Tagged at 3,595'. Hydrotest tubing in hole - found hole on jt above SN. RIH with pump & rods. PWOP.											
PREPARED BY:			Larry S. Adams			Domingo Carrizales			UPDATED: 13-May-10		