

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No 1004-0137  
Expires July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
1 LC-063965 NM12612  
6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE** - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Resaca Operating Company

3a. Address

1331 Lamar St Ste 1450, Houston, TX 77010

3b. Phone No. (include area code)

(432) 580-8500

7. If Unit of CA/Agreement, Name and/or No  
Cooper Jal Unit- NM 70926X

8. Well Name and No  
Cooper Jal Unit #124

9. API Well No.  
30-025-11153

4. Location of Well (Footage, Sec, T, R, M., or Survey Description)

660 FNL & 1917 FWL, Unit Letter C, Sec 19, T-24S, R-37E

10. Field and Pool or Exploratory Area  
Langlie Mattix SR- QW- GB

11. Country or Parish, State  
Lea County, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input checked="" type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Re-Entry
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation. Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

- 1.) MIRU Pulling Unit and Above Ground Steel Pit. NU BOP. 10/18/11.
- 2.) RIH w/ 4 3/4" Bit & 6- 3 1/2" Drill Collars. PU Swivel.
- 3.) Found hole in casing from 594'-624'; cement squeezed with 130 sacks premium plus cement w/ 2% CaCl.
- 4.) Drilled out cement, tested casing, tested good; Drilled CIBP @ 3256' & formation with 4 3/4" Bit.
- 5.) Drilled to new TD @ 3750' in 6 Days; Acidized OH 3530'-3750' w/ 5,500 gallons 15% NEFE HCl Acid.
- 5.) RIH w/ 4 1/2" work string; Frac'd Jalmat (Yates & Upper 7R) w/ 223,000# 16/30 mesh & 94,000# 16/30 mesh Proppet.
- 6.) Bled down, no fluid recovered; LD, unset Packer; LD 4 1/2" frac string.
- 7.) Cleaned out to TD @ 3750'; POOH & LD work string, drill collars & bit.
- 8.) RIH w/ production tubing. ND BOP. RIH w/ Plunger.
- 9.) RDMO Pulling Unit. cleaned location, cleaned & disposed of pit fluids. 11/11/11

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Melanie Reyes

Title Engineer Assistant

Signature

Date 12/30/2011

ACCEPTED FOR RECORD

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

JAN 22 2012

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

MAY 17 2012

## WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC		LEASE NAME		Cooper Jal Unit		WELL NO																																																					
STATUS		TA'd		(4-7-99) Water Injector		124																																																					
LOCATION		660 FNL & 1917 FWL, Sec 19, T - 24S, R - 37E, Lee County, New Mexico																																																									
SPUD DATE		TD		3750		KB 3,312' DF																																																					
INT COMP DATE		03/09/56		PBTB		GL 3,301'																																																					
<b>Surface Csg</b> Hole Size 12 1/4 in Csg Size 9 5/8 in Set @ 308 ft Sxs Cmt 175 Circ Yes TOC @ surf TOC by circ		<b>ELECTRIC LOGS</b>																																																									
		<b>GEOLOGICAL DATA</b>																																																									
		<b>CORES, DST'S or MUD LOGS</b>																																																									
		<b>HYDROCARBON BEARING ZONE DEPTH TOPS</b>																																																									
Csg Lk 130 sx 594'-624' TOC @ 675'		GR-N from 2900 - 3480' (8-9-56 The Western Co ) Injection Profile (6-23-73 WACO)																																																									
		Yates @ 2974'      7-Rivers @ 3206'      Queen @ 3550'																																																									
		<b>CASING PROFILE</b>																																																									
		SURF 9 5/8" - 36#, J-55 set@ 308' Cmt'd w/175 sxs - circ cmt to surf PROD. 5 1/2" - 15 5#, J-55 set@ 3528' Cmt'd w/200 sxs - TOC @ 2475' from surf. DV tool @1200' - pmp 100 sxs - LINER None      5 1/2" - TOC@ 675' f/ surf by calc																																																									
DV tool @ 1200'		<b>CURRENT PERFORATION DATA</b>																																																									
		CSG. PERFS:      OPEN HOLE 9-Mar-56 Perf'd Lower 7-Rivers f/ (3448 - 63) w/ 1 spf & 3470 - 82' w/1 spf (29 holes) 9-Mar-56 Perf'd Upper 7-Rivers f/ 3380 - 96' w/1 spf & 3414 - 32' w/1 spf (36 holes)																																																									
		<b>TUBING DETAIL</b> 12/15/2011 <b>ROD DETAIL</b> 12/15/2011																																																									
		<table border="0" style="width:100%;"> <tr> <td style="width:10%;">2800</td> <td style="width:5%;">87</td> <td style="width:45%;">2 7/8" J-55 6 5# EUE 8rd</td> <td style="width:10%;">20</td> <td style="width:5%;">1</td> <td style="width:35%;">1 1/2" x 26' PR w/ 7/8" Pin</td> </tr> <tr> <td>3</td> <td>1</td> <td>5 1/2" x 2 7/8" TAC</td> <td>0</td> <td>1</td> <td>1 1/4" x 1 1/2" x 16' Liner</td> </tr> <tr> <td>580</td> <td>18</td> <td>2 7/8" J-55 6 5# EUE 8rd</td> <td>14</td> <td>2</td> <td>6', 8' - 1" Pony Rods</td> </tr> <tr> <td>4</td> <td>1</td> <td>2 7/8" Lift Sub</td> <td>1000</td> <td>40</td> <td>1" Steel KD Rods New</td> </tr> <tr> <td>24</td> <td>1</td> <td>2 7/8" Working Barrel</td> <td>1775</td> <td>71</td> <td>7/8" Steel KD Rods New</td> </tr> <tr> <td>1</td> <td>1</td> <td>2 7/8" SN</td> <td>600</td> <td>24</td> <td>1 1/2" K-Bar</td> </tr> <tr> <td>19</td> <td>1</td> <td>2 7/8" Desander</td> <td>2</td> <td>1</td> <td>2' - 7/8" Pony Rod</td> </tr> <tr> <td>134</td> <td>4</td> <td>2 7/8" BPMA</td> <td>3</td> <td>1</td> <td>2 1/4" x 3' Plunger</td> </tr> <tr> <td>3565</td> <td></td> <td></td> <td>3414</td> <td></td> <td></td> </tr> </table>						2800	87	2 7/8" J-55 6 5# EUE 8rd	20	1	1 1/2" x 26' PR w/ 7/8" Pin	3	1	5 1/2" x 2 7/8" TAC	0	1	1 1/4" x 1 1/2" x 16' Liner	580	18	2 7/8" J-55 6 5# EUE 8rd	14	2	6', 8' - 1" Pony Rods	4	1	2 7/8" Lift Sub	1000	40	1" Steel KD Rods New	24	1	2 7/8" Working Barrel	1775	71	7/8" Steel KD Rods New	1	1	2 7/8" SN	600	24	1 1/2" K-Bar	19	1	2 7/8" Desander	2	1	2' - 7/8" Pony Rod	134	4	2 7/8" BPMA	3	1	2 1/4" x 3' Plunger	3565			3414
2800	87	2 7/8" J-55 6 5# EUE 8rd	20	1	1 1/2" x 26' PR w/ 7/8" Pin																																																						
3	1	5 1/2" x 2 7/8" TAC	0	1	1 1/4" x 1 1/2" x 16' Liner																																																						
580	18	2 7/8" J-55 6 5# EUE 8rd	14	2	6', 8' - 1" Pony Rods																																																						
4	1	2 7/8" Lift Sub	1000	40	1" Steel KD Rods New																																																						
24	1	2 7/8" Working Barrel	1775	71	7/8" Steel KD Rods New																																																						
1	1	2 7/8" SN	600	24	1 1/2" K-Bar																																																						
19	1	2 7/8" Desander	2	1	2' - 7/8" Pony Rod																																																						
134	4	2 7/8" BPMA	3	1	2 1/4" x 3' Plunger																																																						
3565			3414																																																								
<b>Production Csg.</b> Hole Size 7 7/8 in Csg Size 5 1/2 in Set @ 3528 ft Sxs Cmt 300 Circ No TOC @ 675 f/ surf TOC by calc		<b>WELL HISTORY SUMMARY</b>																																																									
		9-Mar-56 Initial Completion: Perf'd Lower 7-Rivers (3448 - 63) w/ 1 spf & 3470 - 82' w/1 spf. Frac'd w/ 10,800 gals & 15,000#s sand. Set RBP at 3440' Perf'd Upper 7-R 3380 - 96' w/1 spf & 3414 - 32' w/1 spf. Frac'd w/ 8,800 gals lease oil & 13,000#s sand Pulled RBP IP: 54 bopd, 0 bwpd, & 63 Mcfpd.																																																									
		22-Jul-71 Converted to Water Injection: Sand pumped frac sand from 3440 - 3508' RIH w/pkr on 2 3/8" CL tbg Set PKR @ 3336' Placed well on injection.																																																									
		24-Jul-82 Found hole in tbg Replaced bad tbg 10-Feb-94 C/O fill from 3458 -3508' (on junk at 3508') RIH w/ new 2 3/8" CL tbg and pkr. Set pkr @ 3261'. (bad pkr tst @ 3326', 3297' & 3294'). Return to injection. 502 bwpd @ TP=vacuum 05-Apr-99 Set CIBP @ 3260' & dmp 35' cmt on top. TOC @ 3225' Circ hole w/ pkr fluid TA'd well (4-7-99). 09-Nov-05 Could not run sinker bar because wellhead is corroded! 18-Oct-11 RIH with 4 3/4" bit. Test casing to 500 psig - no test Tagged at 3,218' Found hole from 594' to 624'. Cement squeezed with 130 sx Drilled out cement and test good Drilled CIBP @ 3,256' and formation with 4 3/4" Bottom bit Drilled to new TD at 3,750' in 6 days Acidized open hole (3530' to 3,750') with 5,550 gals 15% NEFE HCl acid AIR= 5.5 bpm Pavg= 880W ISIP= 550#. RIH with 4 1/2" work string. Frac'd Jalmat (Yates & U- 7-Rivers) with 223,000 #16/30 mesh & 94,000 16/30 mesh PropNet Pavg= 1424W. AIR= 46 2 bpm. ISIP= 1002# Next day SITP= 80# Bled down, no fluid recovered Laid down 4 1/2" work string POOH with RBP. Cleaned out to 3,750' RIH with tubing, pump and rods.																																																									
TOC @ 2475' By Calc  Yates @ 2974' 7-Rivers @ 3206' TOC @ 3225' CIBP @ 3260'		3380' 3396'  3414' 3432'  3448' 3463'  3470' 3482'  Queen @ 3550'																																																									
		<b>Open Hole</b>																																																									
		3528'-3750'																																																									
		Fill @ 3,688'																																																									
PBTB 3750 ft TD 3750 ft  OH ID in		PREPARED BY: Larry S Adams      UPDATED: 21-Dec-11																																																									