

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

nm-H10085 OCD

AUG 03 2011

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-
abandoned well. Use Form 3160-3 (APD) for such proposals.**

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other Injector

2. Name of Operator

Resaca Operating Company

3a. Address

1331 Lamar St., Suite 1450

Houston, TX 77010

3b. Phone No. (include area code)

(432) 580-8500

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

Unit Letter I, Sec. 24, T-24S, R-36E, 2310' FSL, 990' FEL

7. If Unit of CA/Agreement, Name and/or No.

Cooper Jal Unit- NM 70926X

8. Well Name and No.

Cooper Jal Unit #132

9. API Well No.

30-025-09639

10. Field and Pool or Exploratory Area

Jalmat; T-Y-7R/ Langlie Mattix; 7R-Q-G

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 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 Clean Out
	<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 recompleate 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 recompleation 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.)

WEX-671

- 1.) MIRU Pulling Unit and Above Ground Steel Pit. 4/13/11
- 2.) POOH w/ 2 7/8" tubing and 5 1/2" x 2 7/8" Baker Model AD-1 Tension Packer.
- 3.) RIH w/ 4 3/4" Bit & 6- 3 1/2" Drill Collars on 2 7/8" work string.
- 4.) RU Swivel & cleaned out well to 3625', circulated well clean.
- 5.) RIH w/ 5 1/2" x 2 7/8" Arrow Set Teflon Coated Packer & set Pkr @ 2924' (Top Perf- 3024').
- 6.) Acidized perfs 3024'-3474' & OH 3475'-3625' w/ 20,000 gallons 90/10 Mixture of NEFE 15% Acid/ Xylene & 15,000#s salt.
- 7.) POOH w/ 2 7/8" work string.
- 8.) Circulated Pkr fluid, ran preliminary MIT test, test good.
- 9.) Ran Post Work Over MIT Test for NMOCD, test good; Pulled Chart for NMOCD; witnessed by Buddy Hill.*
- 10.) RDMO Pulling Unit, cleaned location, cleaned and disposed of pit fluids. 4/21/11

*Accidentally sent chart to NMOCD.

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

Melanie Reyes

Title Engineer Assistant

Signature

[Handwritten Signature]

Date 05/27/2011

ACCEPTED FOR RECORD

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office

JUL 31 2011

[Handwritten Signature]

BUREAU OF LAND MANAGEMENT

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.

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)

AUG 04 2011

CURRENT COMPLETION SCHEMATIC		LEASE NAME Cooper Jal Unit		WELL NO 132 WIW	
		STATUS Active		API# 30-025-09639	
		LOCATION 2310 FSL & 990 FEL, Sec 24, T - 24S, R - 36E, Lee County, New Mexico			
		SPUD DATE 04/08/54		KB 3,315'	
		INT COMP DATE 05/12/54		GL 3,307'	
		PBTB		DF	
<div style="display: flex; justify-content: space-between;"> <div> <p>Surface Csg</p> <p>Csg Size 8 5/8 in</p> <p>Sxs Cmt. 124</p> <p>Circ Yes</p> <p>TOC @ surf</p> <p>TOC by circ</p> </div> <div> <p>Burst</p> <p>5 1/2" @</p> <p>280', Cmt</p> <p>w/200 sxs</p> </div> </div>		<p style="text-align: center;">ELECTRIC LOGS.</p> <p>GR-N from 0 - 3556' (4/25/54 Schlumberger)</p> <p>GR-CBL-MSG-CCL from 2,000 - 3,300' (6-7-95 Halliburton)</p> <p>Injection Profile (1-29-97 Houston, Inc)</p>			
<div style="display: flex; justify-content: space-between;"> <div> <p>283'</p> </div> <div> <p>TOC @ 685'</p> <p>by calc</p> </div> </div>		<p style="text-align: center;">GEOLOGICAL DATA</p> <p style="text-align: right;">CORES, DST'S or MUD LOGS.</p>			
<div style="display: flex; justify-content: space-between;"> <div> <p>283'</p> </div> <div> <p>TOC @ 685'</p> <p>by calc</p> </div> </div>		<p style="text-align: center;">HYDROCARBON BEARING ZONE DEPTH TOPS.</p> <p>Yates @ 3016' 7-Rivers @ 3236' Queen @ 3628'</p>			
<div style="display: flex; justify-content: space-between;"> <div> <p>283'</p> </div> <div> <p>TOC @ 685'</p> <p>by calc</p> </div> </div>		<p style="text-align: center;">CASING PROFILE</p> <p>SURF. 8 5/8" - 24#, J-55 set @ 283' Cmt'd w/124 sxs - circ cmt to surf.</p> <p>PROD. 5 1/2" - 14#, J-55 set @ 3475' Cmt'd w/400 sxs - TOC @ 2420' from surf DV tool @ 1211' - pmp 100 sxs -</p> <p>LINER None 5 1/2" - TOC @ 685' f/ surf by calc</p>			
<div style="display: flex; justify-content: space-between;"> <div> <p>283'</p> </div> <div> <p>TOC @ 685'</p> <p>by calc</p> </div> </div>		<p style="text-align: center;">CURRENT PERFORATION DATA</p> <p>CSG PERFS OPEN HOLE 3475 - 3555' (7 RVRs/Queen OH).</p> <p>1-Jun-95 Perf'd Yates f/ 3024'-42', 3066'-83', 3095'-3112', 3125'-33' & 3148'-70' w/ 2 spf (164 holes total)</p> <p>26-Jan-09 Perf'd 7-R f/ 3466'-74', 3282'-93', 3212'-16'; Perf'd Yates f/ 3152'-70', 3124'-34', 3118'-22', & 3046'-54', 75 ft, 75 holes, 1 JHPF</p>			
<div style="display: flex; justify-content: space-between;"> <div> <p>283'</p> </div> <div> <p>TOC @ 685'</p> <p>by calc</p> </div> </div>		<p style="text-align: center;">TUBING DETAIL 1/28/2009 ROD DETAIL</p> <p>Length (ft) Detail</p> <p>8 KB</p> <p>2915 98 fts - 2 7/8" 6 5#, CL, J-55, 8rd EUE tbg.</p> <p>3 1- 5 1/2" x 2 7/8" Baker Model AD-1 packer</p> <p>2926 blm</p>			
<div style="display: flex; justify-content: space-between;"> <div> <p>283'</p> </div> <div> <p>TOC @ 685'</p> <p>by calc</p> </div> </div>		<p style="text-align: center;">WELL HISTORY SUMMARY</p> <p>12-May-54 Initial completion interval. 3475 - 3555' (7 RVRs/Queen OH). Frac'd w/4,000 gals & 0 #s sand. Burst csg @ 280', Cement sqz csg leak w/200 sxs (3 jobs) Tst OK @ 875 psi. Frac'd w/4,000 gals & 6,000#s sand IP = 173 bopd, 245 Mcf/d (flowing).</p> <p>11-Apr-76 Acdd'd OH w/ 1,500 gals Tight spot in csg @ 210'</p> <p>18-Feb-85 C/O fill from 3473 - 3555' (82' of fill) Deepened to 3640'. Acdd'd OH 3475 - 3640' w/4,000 gals in 2 stages using 500# rock salt Frac'd w/22,000 gals X-L gel & 56,000#s 12/20 sand ramping to 6 ppg.</p> <p>11-Mar-87 C/O fill to 3640'</p> <p>21-Apr-87 C/O fill to 3628'</p> <p>15-Apr-88 Tag fill @ 3628'</p> <p>01-Oct-93 Administrative Order No. WFX-648. Approved Division Order No. R-4019 & R-4020 for Waterflood Expansion.</p> <p>01-Dec-93 CONVERTED TO INJECTOR: C/O from 3508 - 3640'. Acdd'd OH w/4,000 gals 20% NEFE combined with 110 gals UT-460 & 110 gals T-425 microlular solvent & 1400#s rock salt. AIR=3 bpm @ 900 psi. ISIP=680 psi RIH w/ CL tbg & pkr. Set pkr @ 3370'. Noted pkr is 105' above hole in csg. Inject @ 263 bwpd w/ TP=vacuum.</p> <p>01-Jun-95 Ran GR-CBL-CCL. Perf (Jalmat) 2950 - 3170 (selectively). Acdd'd w/5,000 gals 15% NEFE HCL & 250 RCN ball sealers in 6 stages Ran 2 3/8" CL tbg & pkr Set pkr @ 2962' Tst pkr OK. Inject @ 481 bwpd w/ TP=580 psi. Converted to DHC injector w/ Pmax surf injection press = 590 psi.</p> <p>28-Jun-00 C/O hard scale from 3145 - 3370' Set CIBP @ 3300' and dmp 35' cmt on top (PBTB @ 3265') Acdd'd perfs 3024'-3170' w/ 4,000 gals 15% NEFEHCL & 2,000#s rocksalt in 3 stages. AIR=4 bpm @ 1380 psi ISIP=570 psi, P15 min= 140 psig. Ran pkr on 2 3/8" CL tbg & set pkr @ 2955'. Injecting @ 250 bwpd, TP=160 psi.</p> <p>14-Feb-02 Tag TD using SL unit (1 1/4" x 5' sinker bar) Tag fill @ 129' (3511' of fill)</p> <p>14-Oct-03 Bithead Test failed Bled CSG dn to 0 psi SI for 15 min-press build up to 500# Witnessed by OCD Rep-Buddy Hill</p> <p>28-Oct-03 POOH with 2 3/8" IPC tbg & 5 1/2" x 2 3/8" AD - 1 packer Laid down 2 3/8" IPC tbg Clean out to 3265'. POOH and laid down with 4 3/4" bit, 6 - 3 1/2" dnl collars RIH with redressed 5 1/2" x 2 3/8" AD-1 packer on reconditioned 90 - 2 3/8" IPC tubing to 2954'. Packer would not test Set packer at 2925', would not test. POOH with injection string Test casing to 500 psig - held. RIH with injection string to 2931'. Circulated annulus with 70 barrels of 2 % KCl & inhibited packer fluid. Set Packer with 20,000# tension Test casing to 500 psig - held. Pulled pressure chart for OCD</p> <p>07-Nov-05 RIH with 1 1/4" sinker bar and tagged at 3,272' (PBTB).</p> <p>20-Jan-09 POOH w/2 3/8" IPC tbg & 5 1/2" x 2 3/8" AD - 1 packer RIH w/ 4 3/4" bit & DCs Drilled cmt & CIBP @ 3300' C/O to 3640' Lost Perf Gun in open hole Fished Perf Gun Perf'd 7-R f/ 3466'-74', 3282'-93', 3212'-16'; Perf'd Yates f/3124'-34', 3118'-22', & 3046'-54', 75 ft, 75 holes, 1 jsf, 120 degree phasing. Test annulus to 350 psig.</p> <p>24-Apr-09 RU Gray WL. Tagged @ 37' w/ logging tool RD wireline. Placed well on injection. Rate/Press: 781 bwpd.694#.</p>			
<div style="display: flex; justify-content: space-between;"> <div> <p>283'</p> </div> <div> <p>TOC @ 685'</p> <p>by calc</p> </div> </div>		<p>XX XX Pkr @ 2926'</p> <p>Jalmat</p> <p>Yates @ 3016'</p> <p>3024'-42'</p> <p>3046'-54'</p> <p>3066'-83'</p> <p>3095'-3112'</p> <p>3118'-222'</p> <p>3124'-34'</p> <p>3148'-70'</p> <p>7-R @ 3212'</p> <p>3212'-16'</p> <p>3282'-93'</p> <p>Langlie Mattix</p> <p>3466'-74'</p>			
<div style="display: flex; justify-content: space-between;"> <div> <p>283'</p> </div> <div> <p>TOC @ 685'</p> <p>by calc</p> </div> </div>		<p>OH Interval</p> <p>##</p> <p>Queen @ 3628'</p>			

20-May-09

