

Submit 1 Copy To Appropriate District Office  
 District I - (575) 393-6161  
 1625 N French Dr, Hobbs, NM 88240  
 District II - (575) 748-1283  
 811 S First St, Artesia, NM 88210  
 District III - (505) 334-6178  
 1000 Rio Brazos Rd, Aztec, NM 87410  
 District IV - (505) 476-3460  
 1220 S St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103

Revised August 1, 2011

**HOBBS OCD**  
**RECEIVED**  
**JAN 26 2012**

**OIL CONSERVATION DIVISION**  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

WELL API NO. 30-025-09661
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. 306443
7. Lease Name or Unit Agreement Name Cooper Jal Unit
8. Well Number 139
9. OGRID Number 263848
10. Pool name or Wildcat Jalmat; T-Y-7R/ Langlie Mattix; 7R-Q-G
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3314' KB

**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  
1331 Lamar Street, Suite 1450 Houston, TX 77010

4. Well Location  
Unit Letter B : 330 feet from the North line and 2310 feet from the East line  
 Section 25 Township 24S Range 36E NMPM Lea County

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: Drilled CIBP, cleaned out to TD, DHC <input checked="" type="checkbox"/>	

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

- 1.) MIRU Pulling Unit & Above Ground Steel Pit.
- 2.) POOH w/ production string; RIH w/ 4 3/4" Bit, tagged @ 3208'.
- 3.) Drilled CIBP @ 3390' & drilled out to TD @ 3545'.
- 4.) POOH w/ tubing, laid down drill collars & Bit; hydrotested tubing to 7000#, okay.
- 5.) RIH w/ Plunger and rods.
- 6.) RDMO Pulling Unit, cleaned location, cleaned & disposed of pit fluids.  
 \*C-107A submitted, awaiting approval

Form C-104 is required for each zone after DHC is approved by OCD Santa Fe office. Also form Form C-105 completion with all perms and 24 hr production test. Forms to be sent to OCD Hobbs office for approval before transporting production from Downhole commingling.

**Oil Conservation Division**  
 Conditions of approval : Approval for drilling/workover ONLY-- CANNOT produce Downhole Commingled until DHC is approved in Santa Fe.

Spud Date: 11/21/2011 Rig Release Date: 11/25/2011

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE  TITLE Engineer Assistant DATE 1/3/12

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 FEB 03 2012

Conditions of Approval (if any):

*(Handwritten mark)*

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC		LEASE NAME		WELL NO	
		Cooper Jal Unit		139	
		STATUS		API#	
		Active Oil		30-025-09661	
		LOCATION			
		330 FNL & 2310 FEL, Sec 25, T - 24S, R - 36E, Lee County, New Mexico			
		SPUD DATE	TD	KB	DF
		INT COMP DATE	PBTD	GL	
		05/26/54	3355	3,314'	
		ELECTRIC LOGS		GEOLOGICAL DATA	
		GR-N from 0 - 3544' (5-20-54 Schlumberger)		CORES, DST'S or MUD LOGS	
		Injectivity Profile (6-5-73 WACO)			
		GR-CCL (9-13-93 Halliburton)			
		HYDROCARBON BEARING ZONE DEPTH TOPS			
		Yates @ 3014'      7-Rivers @ 3235'      Queen @ 3595'			
		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#, H-40 set@ 3465' Cmt'd w/200 sxs - TOC @ 2415' from surf DV tool @ 1200' - pmp 100 sxs -			
		LINER None 5 1/2" - TOC @ 680' f/ surf by calc			
		CURRENT PERFORATION DATA			
		CSG PERFS		OPEN HOLE 3465 - 3545'	
		11-Sep-93 Perfd Jalmat w/ 2 spf 3014'-32', 3035'-42', 3070'-84', 3091'-3107', 3113'-31', 3138'-70', 3175'-88', & 3214'-22' (252 holes total - 0 56" dia)			
		TUBING DETAIL 11/25/2011		ROD DETAIL 11/25/2011	
		Length (ft) Detail		Length (ft)	
		2550 81 2-7/8" J-55 6 5# EUE 8rd		18 1 1-1/4" X 26' Polished Rod w/7/8" Pin	
		4 1 2 7/8" x 4' Tbg Sub		0 5 1-1/4" X 1-1/2" X 16' Liner	
		295 9 2-7/8" J-55 6 5# EUE 8rd		4 1 4' - 7/8" Pony Rod	
		31 1 2 7/8" x 31' Blast Jt		900 36 7/8" Steel Rods	
		1 1 2 7/8" x 1 10 Seat Nipple		1375 55 3/4" SteelRods	
		19 1 2 7/8" v 19' De-sander		600 24 1-1/2" K-Bars	
		131 4 2-7/8" J-55 6 5# EUE 8rd		3 1 2 1/4" X 2" X 20 RWBC w/1 25 X 1' SN	
		3031 2-7/8" J-55 6 5 EUE 8rd		2900	
		WELL HISTORY SUMMARY			
		26-May-54 Initial completion interval 3465 - 3545' (Queen OH). Frac'd w/4,000 gals Dowell Stratofrac w/ 6,000#s sand AIR= 12 6 bpm at 1200 psig IP= 157 bopd			
		28-Jul-54 48 bopd, 0 bwpd, & GOR=1,072 (flowing on 15/64" choke)			
		22-May-57 Frac'd OH w/17,000 gals, 25,000#s 20/40 sand, 5,000#s 10/20 sand AIR=29 bpm @ 2700 psi Before WO 7 bopd, 7 bwpd & GOR= 8320. After WO: 31 bopd, 0.2 bwpd, & GOR=2947			
		18-May-71 CONVERTED TO INJECTION: Tag btm @ 3539' Did not C/O Ran injection equipment & initiated injection			
		05-Jun-73 Ran injection profile Tag TD @ 3538'			
		23-Mar-79 Attempted TD check w/ 1 1/4" sinker bar - couldn't get below 2888'			
		28-Mar-79 Ran 1" sinker bar - tagged TD @ 3482' (56' of fill)			
		12-Aug-88 C/O, Side jet and acd'd OH w/2,000 gals			
		29-Mar-93 C/O, Side jet and acd'd OH w/4,000 gals			
		11-Sep-93 Set CIBP @ 3390' & dmp 35' cmt on top. PBTD = 3355'. Perfd (Yates/7RVRS) using 4" csg gun, 120 deg phasing w/ 2 spf 3014'-32', 3035'-42', 3070'-84', 3091'-3107', 3113'-31', 3138'-70', 3175'-88', & 3214'-22' (252 holes - 0 56" dia) Frac'd perfs (3014 - 3222) w/48,600 gals, 134,000#s 12/20 sand AIR=35 bpm @ 2300 psig ISIP= 78 psig C/O sand to 3330' Ran production equipment After WO: 57 bopd, 330 bwpd, & 25 Mcfgpd.			
		16-Nov-93 Hydrotest tbg Found & replaced 2 bad jts Returned well to production			
		03-Mar-95 Replaced 1 bad jt tbg Returned well to production			
		13-Apr-95 Replaced rod pmp Returned well to production			
		02-Dec-97 Replaced all 3/4" rods & 7/8" rod boxes Hydrotested tbg - no bad jts Returned well to production			
		18-Dec-00 Tag btm @ 3355' Replaced pmp Returned well to production			
		27-Feb-02 Long stroke pump			
		09-Sep-02 Tally out of hole with tubing string - found a split jt Hydrotest tubing in hole Well would not pump - found scale and sand on MAJ Placed well on production			
		18-Jul-03 POOH with rods and pump Found top joint with 2 foot split Reset TAC, RIH with pump and rods PWOP			
		24-Jun-04 POOH with rods and pump RIH with larger pump and rods PWOP			
		18-Feb-05 Pulled out w/pump, nipple down wellhead, unset TAC, pulled out w/tbg, (pump was stuck w/sand, recovered 10' of sand in M A ) pressure Hydrotest tubing to 6000# - found 1 split #29 joint PWOP			
		25-Mar-11 POOH with production string RIH with 4 3/4" bit, ng up AIR UNIT Tagged at 3,280', cleaned ot to 3,388'. Test casing to 500# Found hole between 353' to 416' While backing of CSG, parted 2' from service Could not back of casing, Cement squeezed with 150 sxs Class C Circ'd cmt to surf Frac'd down 4 1/2" work string w/ 105,000# 16/30 brown sand & 41,250# resin coated sand plus 1 267 MMCF N2. ISIP= 2280# Flowed well back for two days Laid down 4 1/2" work string. C/O frac sand from 3149' to 3278' PWOP			
		15-Apr-11 Pulled out w/pump, nipple down wellhead, unset TAC, pulled out w/tbg, (pump was stuck w/sand, recovered 10' of sand in M A ) RIH with tbg, set TAC, pulled 16,000# tension nipple up wellhead, ran in w/pump, hung well on, ngged up Rapid Transport, pumped 5 bbls load and test, checked pump action, good, put well on production Checked pump action, good			
		21-Nov-11 POOH with production string RIH with 4 3/4" bit, tagged @ 3208'. Drilled CIBP @ 3390' and Drilled out to TD @ 3,545' Hydrotest tubing to 7000# - okay RIH with plunger and rods			
Surface Csg		TOC @ 680'			
Hole Size 11 in					
Csg Size 8 5/8 in					
Set @ 286 ft					
Sxs Cmt 150					
Circ Yes					
TOC @ surf					
TOC by circ					
		DV Tool @ 1200'			
		TOC @ 2415'			
		By Calc			
		Yates @ 3014'			
		3014'-32'			
		3035'-42'			
		3070'-84'			
		3091'-3107'			
		3113'-31'			
		3138'-70'			
		3175'-88'			
		3214'-22'			
		7-R @ 3235'			
		TOC @ 3388'			
		CIBP @ 3390'			
		OH Interval			
		3465 - 3545'			
		Queen @ 3595'			
Production Csg					
Hole Size 7 7/8 in					
Csg Size 5 1/2 in					
Set @ 3465 ft					
Sxs Cmt 300					
Circ No					
TOC @ 680 f/ surf					
TOC by calc					
PBTD 3355 ft					
TD 3545 ft					
OH IC 4 3/4 in					
		PREPARED BY.		UPDATED	
		Larry S Adams		D Carnzales	
				13-Dec-11	