

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

Form C-103  
Revised August 1, 2011

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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)		WELL API NO. 30-025-09661
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator Resaca Operating Company		6. State Oil & Gas Lease No. 306443
3. Address of Operator 1331 Lamar Street, Suite 1450 Houston, TX 77010		7. Lease Name or Unit Agreement Name Cooper Jal Unit
4. Well Location Unit Letter <u>B</u> : <u>330</u> feet from the <u>North</u> line and <u>2310</u> feet from the <u>East</u> line Section <u>25</u> Township <u>24S</u> Range <u>36E</u> NMPM Lea County		8. Well Number <u>139</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3314' KB		9. OGRID Number 263848
		10. Pool name or Wildcat Jalmat; T-Y-7R/ Langlie Mattix; 7R-Q-G

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: Drilled CIBP, cleaned out to TD, DHC ☒

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 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, drill collars.
- 3.) Drill CIBP @ 3390' & drill out to TD @ 3545' (DHC Jalmat and Langlie Mattix) DHC-1131
- 4.) POOH w/ tubing, lay down drill collars & Bit; hydrotest tubing.
- 5.) RIH w/ Plunger and rods.
- 6.) RDMO Pulling Unit, clean location, clean & dispose of pit fluids.

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

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

12/22/11

Type or print name

Melanie Reyes

E-mail address:

melanie.reyes@resacaexploitation.com

PHONE:

(432) 580-8500

For State Use Only

APPROVED BY:

TITLE

Compliance Officer

DATE

1-18-2012

Conditions of Approval (if any):

JAN 23 2012

WELLBORE SCHEMATIC AND HISTORY										
CURRENT COMPLETION SCHEMATIC			LEASE NAME				WELL NO			
<div>Surface Csg</div> <div>Hole Size 11 in</div> <div>Csg Size 8 5/8 in</div> <div>Set @ 286 ft</div> <div>Sxs Cmt 150</div> <div>Circ Yes</div> <div>TOC @ surf</div> <div>TOC by circ</div>			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							
<div>Production Csg</div> <div>Hole Size 7 7/8 in</div> <div>Csg Size 5 1/2 in</div> <div>Set @ 3465 ft</div> <div>Sxs Cmt 300</div> <div>Circ No</div> <div>TOC @ 680 f/ surf</div> <div>TOC by calc</div>			SPUD DATE		TD		3545		KB	
			INT COMP DATE		05/26/54		PBTD		3355	
									GL	
<div>OH Interval</div> <div>3465 - 3545'</div>			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							
<div>TOC @ 680'</div> <div>DV Tool @ 1200'</div> <div>TOC @ 2415'</div> <div>By Calc</div>			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			
<div>OH IIC 4 3/4 in</div> <div>Queen @ 3595'</div>			CURRENT PERFORATION DATA							
			CSG PERFS				OPEN HOLE			
			11-Sep-93 Perf'd 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 )				3465 - 3545'			
<div>PBTD 3355 ft</div> <div>TD 3545 ft</div>			TUBING DETAIL		ROD DETAIL		11/25/2011			
			11/25/2011		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 bwppd, & 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 bwppd & GOR= 8320. After WO: 31 bopd, 0.2 bwppd, & 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 acdz'd OH w/2,000 gals							
			29-Mar-93 C/O, Side jet and acdz'd OH w/4,000 gals							
			11-Sep-93 Set CIBP @ 3390' & dmp 35' cmt on top. PBTD = 3355'. Perf'd (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 bwppd, & 25 Mcf/gpd.							
			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 POOH with rods and pump. Scanlog tubing 72 - Blue, 20 - Green, & 4 - Red RIH with production string - didn't hold pressure. Hydrotest tubing to 6000# - found 1 split #29 joint. PWOP							
			25-Mar-11 POOH with production string RIH with 4 3/4" bit, rig 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, rigged 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 PWOP							
			PREPARED BY				LARRY S. ADAMS		D CARNALES	
			UPDATED				13-DEC-11			