

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

HOBBS CON

CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

MAR 23 2012

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 <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		WELL API NO. 30-025-26284 5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> 6. State Oil & Gas Lease No. 306443
2. Name of Operator Resaca Operating Company		7. Lease Name or Unit Agreement Name Cooper Jal Unit
3. Address of Operator 1331 Lamar Street, Suite 1450 Houston, TX 77010		8. Well Number 154
4. Well Location Unit Letter <u>G</u> : <u>1550</u> feet from the <u>North</u> line and <u>2400</u> feet from the <u>East</u> line Section <u>25</u> Township <u>24S</u> Range <u>36E</u> NMPM Lea County		9. OGRID Number 263848
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3296' GR		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: ☐OTHER: Drill CIBP & clean out well to TD, DHC ☒

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 and Above Ground Steel Pit. POOH w/ Plunger. 12/2/2011
 - 2.) NDWH, Unset TAC. POOH w/ tubing.
 - 3.) RIH w/ 4 3/4" Bit, drill collars on 2 7/8" tubing; PU Swivel and drilled CIBP @ 3200', circulated well.
 - 4.) Drilled and cleaned out to TD @ 3655', circulated well.
 - 5.) RU Wireline Company and Ran Pressure Gradient, tagged @ 3670'; ND BOP, Set TAC.
 - 6.) RIH w/ tubing & Hydrotested tubing in hole to 7000#, tested good; RIH w/ plunger and rods.
 - 7.) RDMO Pulling Unit, cleaned location, cleaned and disposed of pit fluids. 12/13/11
- * Upon Approval of C-107A w/ OCD in Santa Fe, will place well on production. DHC- 4520
 Jalmat Well Test 4 oil, 4 mcf Langlie Mattix Well Test 9 oil, 1 mcf
 Jalmat- 31% Oil, 80% Gas Langlie Mattix- 69% Oil, 20% Gas

Spud Date:

12/2/2011

Rig Release Date:

12/13/11

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

SIGNATURE

TITLE

Engineer Assistant

DATE

3/19/12

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

MAR 26 2012

Conditions of Approval (if any):

DHC-4520

MAR 26 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 @ 365 ft</div> <div>Sxs Cmt 300</div> <div>Circ Yes</div> <div>TOC @ surf</div> <div>TOC by circ</div> <div>Production Csg</div> <div>Hole Size 7 7/8 in</div> <div>Csg Size 5 1/2 in</div> <div>Set @ 3655 ft</div> <div>Sxs Cmt 600</div> <div>Circ Yes</div> <div>TOC @ surface</div> <div>TOC by circ</div> <div>PBTD 3165 ft</div> <div>TD 3655 ft</div>			Cooper Jal Unit				154					
			STATUS				Active		Oil			
			API#				30-02526284					
			LOCATION				1550 FNL & 2400 FEL, Sec 25, T - 24S, R - 36E, Lee County, New Mexico					
			SPUD DATE		TD		3655		KB		3,304'	
			INT COMP DATE		05/11/79		PBTD		3165		GL 3,296'	
			ELECTRIC LOGS				CORES, DST'S or MUD LOGS					
			Forxo Guard (Resistivity) Log (4-30-79 WELEX)				GR-N (5-3-79 Welex)					
			GR-CND (4-30-79 Welex)				GR-CCL (6-29-99) Schlumberger					
			HYDROCARBON BEARING ZONE DEPTH TOPS									
Yates @ 2975'				7-Rivers @ 3195'		Queen @ 3574'						
CASING PROFILE												
SURF		8 5/8" - 24#, K-55 set@ 365' Cmt'd w/300 sxs - circ cmt to surface										
PROD		5 1/2" - 15 5#, K-55 set@ 3655' Cmt'd w/600 sxs - cmt circulated to surface										
LINER		None										
CURRENT PERFORATION DATA												
CSG. PERFS		OPEN HOLE .										
11-May-79		Perf'd 7-Rivers f/ 3246 - 3570' 1 spf (19 holes total)										
08-Jul-99		Perf'd Yates f/2976 - 3006', 3026 - 46' & 3080 - 94' w/ 2 spf (116 holes total)										
TUBING DETAIL												
Length (ft)		1/10/12		ROD DETAIL		2/13/12						
Detail		Detail		Length (ft)		Detail						
0		KB		18		1		26' x 1 1/4" P R w/ 7/8" Pin				
2928		96		2 7/8" 6 5#, J-55, 8rd EUE tbq		18		3				
3		1		5 1/2" x 2 7/8" TAC		1100		44				
488		16		2 7/8" 6 5#, J-55, 8rd EUE tbq		1675		67				
4		1		2 7/8" Tubing Sub		600		24				
1		1		2 7/8" SN		1		1				
4		1		2 7/8" Tubing Sub		4		1				
19		1		2 7/8" De-sander		0		1				
121		4		3" Mud Anchor		3416		16' x 1" GA				
3568				btm								
WELL HISTORY SUMMARY												
Yates @ 2975'		11-May-79 IC 3246 - 3570' (7-R/Q). Acdd'd w 4,500 gals & Frac'd w/40,000 gals carrying 34,000#'s 20/40 sand & 15,000#'s 10/20 sand in 2 equal stages Max sand concentration reached was 2 ppg IP=264 bopd, 24 bwpd, & 113 Mcfgpd (pmpg).										
2976'-3006'		18-Jun-83 Replaced 1 jt tbq										
3026'-3036'		15-Nov-86 DSI 72 hr pressure build-up.										
3080'-3094'		10-Aug-88 C/O fill from 3505 - 3614' (109') Acdd'd w/2,500 gals 15% NEFE HCL dropping 25 ball sealers Before WO 7 bopd, 12 7 bwpd & 2 6 Mcfgpd After WO: 11.2 bopd, 52 bwpd & 10 Mcfgpd										
3060'-3070'		14-Dec-95 Cut paraffin in top 1,000' of tbq Acdd'd perfs 3246 - 3570' w/3,000 gals 20% NEFE HCL in 3 stages w/ 2 - 1,000# rock salt blocks AIR=3 bpm @ 650 psi Returned well to production										
3012'-3026'		08-Jan-96 Change out rod pump										
3102'-3130'		08-Jul-99 Set CIBP @ 3200' Tst csg @ 550 psi Good tst Perf'd 2976'-3006', 3026'-46' & 3080'-94' w/ 2 spf - 120 degree (116 holes total) Ran dmp bailer & dmp 35' of cmt on top of CIBP PBTD @ 3165'. Acdd'd 3,000 gals 15% NEFE HCL using 2,000#'s RS in 4 stages AIR=3 bpm @ 2,000# ISIP=840#, P15min=460# Frac w/16,249 gals X-link fluid carrying 52,000#'s 16/30 brady sand AIR=30 bpm @ 1432# ISIP=1021#, P15min=950# C/O sand to 3195' PWOP										
3134'-3140'		21-Sep-99 Change out rod pump										
3142'-3146'		28-Feb-02 Hydrotest in hole Replaced 1 jt tbq										
3170'-3180'		29-Oct-02 Hydrotest in hole Replaced 3 jt tbq Placed well on pump										
3182'-3193'		10-Apr-03 Set a Bethlehem 228 pumping unit										
7-R @ 3195'		21-Jul-06 Long stroke well										
CIBP @ 3200'		04-Dec-06 POOH w/rods, pump & tbq Hydrotest tbq in hole to 7000# - found split 92nd & pin hole on 1st jt PWOP										
3246'-48'		07-Feb-11 POOH w/rods, pump & tbq RIH w/ 4 3/4" bit, tagged at 3,130' Clean out to CIBP at 3,200' RIH w/ 5 1/2" PKR, tagged tight spots at 3,130' Test casing to 500 psig Perf'd Yates f/ 3170'-80', 3182'-93', 3134'-40', 3142'-46', 3102'-30', 3,012'-26' & 3,060'-70', 82', 160										
3298'-3300'		holes. RIH 5 1/2" PKR on 4 1/2" work string Set PKR at 2,875', test annulus to 500 psig Foam Sand Frac'd w/ 100,000 # 16/30 sand ProPetro line busted close to Frac Valve Pumped only 1st stage of job Had oil shows on flow back POOH w/ 4 1/2" work string & PKR Clean out frac sand from 3,150' to CIBP @ 3,200' Hydrotest 2 7/8" production string to 7,000 psig RIH with pump and rods PWOP										
3376'-78'		12-Aug-11 Long Stroke Well										
3382'-84'		29-Aug-11 POOH & laid down67- 3/4' rods POOH with tubing Hydrotest to 7000# - burst 99th & 98th joints Ran Press Gradient PWOP										
3393'-99'		22-Nov-11 POOH with with plunger, rods and tubing Hydrotest tubing to 7000# - burst 1 joint RIH with plunger and rods PWOP										
3408'-11'		02-Dec-11 POOH with with plunger, rods and tubing RIH with 4 3/4" bit to 3181', drilled CIBP @ 3,200' Drilled & C/O to 3,665' Ran Pressure Gradien, tagged @ 3,670' Hydrotest tubing in hole to 7,0000# - good RIH with plunger and rods PWOP										
3425'-29'		28-Dec-11 POOH with rods and parted belowcage on plunger POOH with tubing RIH with tubing, pump & rods PWOP										
3456'-58'		09-Jan-12 POOH w/ rods, pump & tbq Hydrotest tbq - found split on # 101 joint RIH w/ tbq, pump & rods ReplacedK-Bars couplings PWOP										
3482'-86'		13-Feb-12 POOH with unscrewed 12th - 1" rod and parted 50th - 7/8" rod RIH with pump and rods PWOP										
3568'-70'												
Queen @ 3574'												
PREPARED BY Larry S. Adams Domingo Carrizales UPDATED 01-Mar-12												