

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 COIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505
MAR 23 2012

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	
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	
2. Name of Operator Resaca Operating Company	
3. Address of Operator 1331 Lamar Street, Suite 1450 Houston, TX 77010	
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	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3314' KB	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
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: DHC Well Tests and Allocations <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.

Objective: To report well tests and allocations for each zone in the Jalmat and Langlie Mattix Pools DHC- 4519

Jalmat: Tansill-Yates-7Rivers Well Test 11/10/11- 4 oil, 4 mcf, 216 water

Langlie Mattix; 7Rivers- Queen-Grayburg Well Test 1/1/12- 1 oil, 2 mcf, 64 water

Allocation: Jalmat; 80% Oil, 67% Gas Langlie Mattix; 20% Oil, 33% Gas

Spud Date:

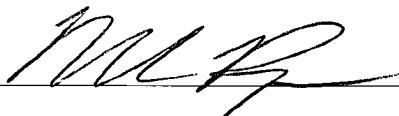
11/21/2011

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

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):

MAR 26 2012

WELLBORE SCHEMATIC AND HISTORY																																								
<div style="display: flex; justify-content: space-between;"> <div> Surface Csg Hole Size 11 in Csg Size 8 5/8 in Set @ 286 ft Sxs Cmt 150 Circ Yes TOC @ surf TOC by circ </div> <div> 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 </div> </div>			CURRENT COMPLETION SCHEMATIC				LEASE NAME Cooper Jal Unit		WELL NO 139																															
			STATUS Active				Oil		API# 30-025-09661																															
			LOCATION 330 FNL & 2310 FEL, Sec 25, T - 24S, R - 36E, Lee County, New Mexico																																					
			SPUD DATE 05/26/54		TD 3545		KB 3,314'		DF GL																															
			INT COMP DATE 05/26/54																																					
			<div style="display: flex; justify-content: space-between;"> <div> ELECTRIC LOGS GR-N from 0 - 3544' (5-20-54 Schlumberger) Injectivity Profile (6-5-73 WACO) GR-CCL (9-13-93 Halliburton) </div> <div> GEOLOGICAL DATA </div> <div> CORES, DST'S or MUD LOGS </div> </div>																																					
			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																																					
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			CSG PERFS:		OPEN HOLE 3465 - 3545'																																			
			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)																																					
			<div style="display: flex; justify-content: space-between;"> <div> TUBING DETAIL </div> <div> ROD DETAIL </div> </div>																																					
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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 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 POOH with rods and pump Scanolog 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, 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 MMCN 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																																					
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			PREPARED BY Larry S Adams																																					
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