

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

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

JAN 26 2012

SUNDRY RECEIVED 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)		WELL API NO. 30-025-09637
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>H</u> : <u>1650</u> feet from the <u>North</u> line and <u>990</u> feet from the <u>East</u> line Section <u>24</u> Township <u>24S</u> Range <u>36E</u> NMPM <u>Lea</u> County		8. Well Number <u>127</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3312' 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: ☐

OTHER: Drilled CIBP, cleaned out 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 & Above Ground Steel Pit.
- 2.) POOH w/ production string; RIH w/ 4 3/4" Bit, tagged @ 3311'.
- 3.) Drilled CIBP @ 3354' & drilled out to TD @ 3541'.
- 4.) POOH w/ tubing, laid down drill collars & Bit; hydrotested tubing to 7000#, okay.
- 5.) RIH w/ production string.
- 6.) RDMO Pulling Unit, cleaned location, cleaned & disposed of pit fluids. Well will be placed on produced when DHC approved.

*C-107A submitted & approved (DHC-4503).

Jalmat Test 11/6/11- 5 oil, 5 mcf, 59 water; Langlie Mattix Test 12/26/11- 5 oil, 5 mcf, 68 water

Oil Conservation Division

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

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.

Spud Date: 11/11/2011

Rig Release Date: 11/16/2011

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):

CURRENT COMPLETION SCHEMATIC		LEASE NAME Cooper Jal Unit		WELL NO 127	
		STATUS Active		Oil	
		LOCATION 1650 FNL & 990 FEL, Sec 24, T - 24S, R - 36E, Lee County, New Mexico		API# 30-025-09637	
		SPUD DATE TD 3541		KB 3,312' DF	
		INT COMP DATE 06/01/54 PBDT 3537		GL 3,304'	
		GEOLOGICAL DATA			
		ELECTRIC LOGS		CORES, DST'S or MUD LOGS	
		GR-N from 100 - 3541' (5-27-54 Schlumberger) GR-CCL (8-19-93 Halliburton)			
		HYDROCARBON BEARING ZONE DEPTH TOPS.			
		Yates @ 3018' 7-Rivers @ 3238' Queen @ 3600'			
		CASING PROFILE			
		SURF 8 5/8" - 24#, J-55 set@ 290' Cmt'd w/150 sxs - circ cmt to surf			
		PROD 5 1/2" - 14#, J-55 set@ 3460' Cmt'd w/200 sxs - TOC @ 2405' from surf by calc DV tool @ 1205' - pmp 100 sxs -			
		LINER None 5 1/2" - TOC@ 675' fl surf by calc			
		CURRENT PERFORATION DATA			
		CSG PERFS		OPEN HOLE	
		19-Aug-93 Perfd Jalmat (Yates): 3019'-3021' 3026'-3048', 3064'-3077', 3090'-3095', 3105'-3118', 3130'-3141', 3148'-3176', 3183'-3187', 3194'-3198' & 3218'-3229', 2 spf (10 intervals - 244 holes)		isolated below CIBP @ 3354'	
		23-Mar-11 Perfd Yates fl 3048'-3057', 3059'-3064', 3077'-3090', 3094'-3096', 3114'-3130', 3141'-3143', 3192'-3194', 3204'-3208', 3211'-3213', 3231'-3239', Perfd 7-Rivers fl 3242'-3246', & 3284'-3298', 2 JHPF			
		TUBING DETAIL		ROD DETAIL	
		11/16/2011		11/16/2011	
		Length (ft) Detail		Length (ft) Detail	
		2875 92 2 7/8" 6 5#, J-55, 8rd EUE tbg		18 1 26" x 1 1/4" polish rod w/ 7/8" pin	
		3 1 5 1/2" x 2 7/8" TAC		0 1 1 1/4" x 1 1/2" x 14' liner	
		158 5 2 7/8" 6 5#, J-55, 8rd EUE tbg		12 3 2", 4", 6" x 7/8" grade D pony rod	
		32 1 2 7/8" Super Max Blast Joint		1450 58 7/8" D steel rods	
		1 1 2 7/8" SN		975 39 3/4" D steel rods	
		4 1 2 7/8" Perf Sub		600 24 1 1/2" sinker bars	
		19 1 2 7/8" Desander		20 1 2 1/2" x 1 1/2" X 16" RWBC pump	
		128 1 2 7/8" tubing with Bull Plug MA		0 1 - 1/14" Strainer	
		3220		3075 btm	
		WELL HISTORY SUMMARY			
		01-Jun-54 Initial completion interval: 3460 - 3541' (7 RVRs/Queen OH). Frac'd w/4,000 gals oil & 6,000#s sand IP=248 bopd, 0 bwpd & 185 Mcfgpd (flowing)			
		15-Nov-58 C/O from 3535 - 3541' (6' of fill) Placed well on rod pump After WO 30 bopd, 0 bwpd, & GOR=1,238			
		11-Aug-71 CONVERTED TO WATER INJECTION: C/O from 3527 - 37' Ran 2 3/8" CL tbg & set pkr @ 3398'			
		19-Aug-93 Set 5 1/2" CIBP @ 3354'. Perfd (Jalmat) from 3019'-3229' w/ 2 spf (10 intervals - 244 holes). Frac w/ 63,000 gals spectra frac G-3000 & 255,340#s 12/20 sand AIR=35 bpm, PM=2990-1935 psi ISIP = 1249 psi C/O fl 2825'-3347' RIH w/ tbg, rods & pmp PWOP After WO: 50 bopd, 36 bwpd, & 42 Mcfgpd.			
		16-Jul-94 C/O fill 3248 - 3389'			
		23-Jan-95 Tag fill @ 3312' Did not C/O well			
		19-Mar-97 Tag fill @ 3305' Did not C/O well			
		17-Dec-99 Tag fill @ 3302' Did not C/O well			
		18-Apr-00 C/O rod pump & 1st tbg to 500 psi OK Acdd'z tbg w/500 gals acid & swab back RIH w/pmp & rods PWOP			
		16-Apr-02 Pull stuck pump Pulled tubing Ran back in hole Placed on pump			
		12-Dec-02 Knocked out brdge in Perfs @ 3146' and C/O to 3245' could not C/O any further (solid) dropped 20 acid sticks			
		08-Jan-04 POOH with rods and pump Tagged at 3230' RIH with pump and rods PWOP			
		05-Aug-04 POOH w/ rods & pump Tagged at 3233' Bailed fl 13' to 3246' Could not make anymore hole Recovered 20' of scale RIH with tubing and set TAC with 18,000# RIH pump and rods PWOP Laid down 8 - 7/8" & 18 - 3/4" rods due to pitting, bottom 30 rods had scale on shoulder of the rods			
		08-Oct-04 Pump 50 bbls of produced water with 10 gals surfactant down tubing			
		22-Nov-04 POOH w/ rods, pump & tbg RIH w/ tbg & tagged at 3,229' RIH w/ 2 7/8" Notched Collar & tbg bailer and cleaned 26' of scale RIH with production tubing, pump and rods PWOP			
		28-Dec-04 POOH w/ rods, pump & tubing Replaced sand screen w/ perf sub RIH w/ new 2 7/8" Super Max Blast Joint PWOP			
		09-Nov-07 POOH with rods and pump RIH with repaired pump and rods PWOP			
		23-Mar-11 POOH with production string RIH with PKR and set at 2987' Test csg to 500 psig - held RIH with 4 3/4", cleaned out to 3200' RIH 4 3/4" concave mili -cleaned out to 3,354' Perfd Yates fl 3048'-3057', 3059'-3064', 3077'-3090', 3094'-3096', 3114'-3130', 3141'-3143', 3192'-3194', 3204'-3208', 3211'-3213', 3231'-3239', Perfd 7-Rivers fl 3242'-3246', & 3284'-3298', 2 JHPF Foam Sand Frac'd N2 and 155,000# 16/30 mesh sand with 50% resing coated ISIP= 2430# Flowed well - all gas, pressure depleted Laid down 4 1/2" work string RIH with 4 3/4", cleaned out from 3,127' to 3,354' with 4 3/4" mili RIH with production string PWOP			
		30-Sep-11 Long strike well PWOP			
		11/11/11 POOH with prod string RIH 4 3/4", tagged at 3,311, D/O CIBP at 3,354' Cleaned out to 3,541'. Hydrotest tubing in hole to 7,000#			
Surface Csg Hole Size 12 1/4 Csg Size 8 5/8 in Set @ 290 in Sxs Cmt 150 ft Circ Yes TOC @ surf TOC by circ		Production Csg Hole Size 7 7/8 in Csg Size 5 1/2 in Set @ 3480 ft Sxs Cmt 300 Circ No TOC @ 675 f/ surf TOC by calc		OH Interval 3460 - 3541' Iso below CIBP	
TOC @ 675' by calc 					