

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
RECEIVED
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505
MAR 02 2011
HOBBS

Form C-101
June 16, 2008

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Resaca Operating Company 1331 Lamar St. Ste. 1450, Houston, TX 77010		² OGRID Number 263848
		³ API Number 30 - 025-09559
⁴ Property Code 306443	⁵ Property Name Cooper Jal Unit	⁶ Well No. 114
⁹ Proposed Pool 1 Jalmat; Tansill-Yates-7Rivers (Oil) 33820		¹⁰ Proposed Pool 2 Langlie Mattix; 7Rivers-Queen-Grayburg 37240

7 Surface Location

UL or lot no. O	Section 13	Township 24S	Range 36E	Lot Idn	Feet from the 330	North/South line South	Feet from the 2310	East/West line East	County Lea
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8 Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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Additional Well Information

¹¹ Work Type Code E	¹² Well Type Code I	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3320'
¹⁶ Multiple	¹⁷ Proposed Depth 3550'	¹⁸ Formation Queen	¹⁹ Contractor	²⁰ Spud Date

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
11"	8 5/8"	20	280'	250	Surface
7 7/8"	5 1/2"	15.5	3438'	300	715'
	DV Tool @ 1241'				

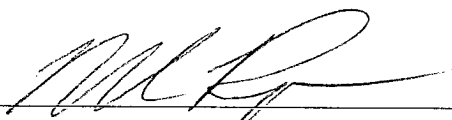
²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

1. Re-enter CJU #114 (This well was plugged 3/22/2001).
2. Drill out cement plugs at surface-350'; Test squeeze perfs @ 350' to 500 psig.
3. Drill out cement plugs @ 1090'-1300'; 2697'-3400' and CIBP @ 3400'.
4. Clean out OH 3438'-3550' TD.
5. Perf Jalmat; Yates (2978'-98', 3001'-13', 3021'-40', 3042'-44', 3052'-60', 3063'-72', 3080'-93', 3104'-3112', 3114'-30', 3138'-40', 3146'-50', 3174'-83', and 3185'-94') and Upper 7 Rivers (3242'-52', 3306'-10', 3323'-30', 3392'-97', 3406'-08' and 3416'-18').
6. Stimulate Perfs 2978'-3418' and OH 3438'-3550' with approximately 20,000 gallons 15% Acid (90/10 Acid/Xylene); Divert with 25,000#'s salt.
7. RDMO Pulling Unit, clean location, clean and dispose of pit fluids.

This well will be drilled using a Closed Loop System. C-144 will be filed accordingly.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:



Printed name: Melanie Reyes

Title: Engineer Assistant

E-mail Address: melanie.reyes@resacaexploitation.com

Date: 3/01/2011

Phone: (432) 580-8500

OIL CONSERVATION DIVISION

Approved by:

Denied

DENIED BY Oil Conservation Division
On 3/2/11 see attached letter
APD Reviewed by dm Kz
For more information on this matter, please call
Donna Mull @ (575) 393-6161 ext 115 or
email donna.mull@state.nm.us

DENIED because of Financial assurance per
Rule 19.15.5.9.(A)(1).

OK

WELLBORE SCHEMATIC AND HISTORY			
CURRENT COMPLETION SCHEMATIC		LEASE NAME Cooper Jal Unit	
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Surface Csg</p> <p>Hole Size: 11 in</p> <p>Csg. Size: 8 5/8 in</p> <p>Set @: 280 ft</p> <p>Sxs Cmt: 250</p> <p>Circ: Yes</p> <p>TOC @: surf</p> <p>TOC by: circ</p> </div> <div style="width: 45%; text-align: right;"> <p>cmt plug 350' - surf</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p>9.5 ppg gel brine</p> <p>cmt plug 1300'-1090'</p> <p>9.5 ppg gel brine</p> <p>cmt plug 3400'-2697'</p> </div> <div style="width: 45%; text-align: right;"> <p>Perf 6 holes @ 350'</p> <p>DV Tool @ 1241'</p> <p>TOC @ 2385' By Calc.</p> <p>Yates @ 2976'</p> <p>7-R @ 3345'</p> <p>CIBP @ 3400'</p> <p>3423 - 29'</p> <p>OH Interval 3438 - 3550'</p> <p>Queen @ 3461'</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p>Production Csg.</p> <p>Hole Size: 7 7/8 in</p> <p>Csg. Size: 5 1/2 in</p> <p>Set @: 3438 ft</p> <p>Sxs Cmt: 300</p> <p>Circ: No</p> <p>TOC @: 715 f / surf</p> <p>TOC by: calc.</p> </div> <div style="width: 45%; text-align: right;"> <p>PBTD: 3540 ft</p> <p>TD: 3550 ft</p> <p>OH ID: ### in</p> </div> </div>		<p>STATUS: P&A'd (3-22-01) Water Injector</p> <p>WELL NO. 114</p> <p>API# 30-025-09559</p> <p>LOCATION: 330 FSL & 2310 FEL, Sec 13, T - 24S, R - 36E, Lee County, New Mexico</p> <p>SPUD DATE: TD 3550 KB 3,327' DF</p> <p>INT. COMP. DATE: 09/21/54 PBTD 3540 GL 3,320'</p>	
		<p style="text-align: center;"><u>ELECTRIC LOGS:</u></p> <p>GR-N from 3200 - 3526' (9-20-54 The Western Co.)</p> <p>GR-N from 2900 - 3493' (12-16-64 Welex)</p> <p style="text-align: center;"><u>GEOLOGICAL DATA</u></p> <p style="text-align: center;"><u>CORES, DST'S or MUD LOGS:</u></p> <p style="text-align: center;"><u>HYDROCARBON BEARING ZONE DEPTH TOPS:</u></p> <p>Yates @ 2976' Yates @ 2976' 7-Rivers @ 3345' Queen @ 3461'</p>	
		<p style="text-align: center;"><u>CASING PROFILE</u></p> <p>SURF. 8 5/8" - 20#, J-55 set @ 280' Cmt'd w/250 sxs - circ cmt to surf.</p> <p>PROD. 5 1/2" - 15.5#, J-55 set @ 3438' Cmt'd w/200 sxs - TOC @ 2385' f/ surf by calc. DV tool @ 1241' - prmp 100 sxs.</p> <p>LINER None TOC @ 715 by calc.</p>	
		<p style="text-align: center;"><u>CURRENT PERFORATION DATA</u></p> <p>CSG. PERFS: 3423 - 29' w/ 2 spf (14 holes)</p> <p style="text-align: right;">OPEN HOLE : 3438 - 3550'</p>	
		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"><u>TUBING DETAIL</u></div> <div style="width: 45%;"><u>ROD DETAIL</u></div> </div>	
<p style="text-align: center;"><u>WELL HISTORY SUMMARY</u></p> <p>21-Sep-54 Initial completion interval: 3438 - 3550' (7 RVRS/Qn OH). IP = 90 bopd, 0 bwpd, & 101 Mcfgpd (flw'd - no stimulation).</p> <p>16-Dec-64 Perf'd 7-Rivers f/ 3423 - 29 w/ 2 spf (14 holes). Frac OH w/ 10,000 gals lse oil, 10,000#'s 20/40 & 10,000#'s 10/20 sand, at AIR= 31.6 bpm & 1400 psi. Plug back to 3440' w/ sand & Frac perfs 3423-29' w/ 5,000 gals lse oil, 7,500#'s 20/40 sand and 2500#'s 10/20 sand @ 24 bpm & 1700 psi.</p> <p>29-Jul-71 Converted to Injector: C/O from 3482 - 3540'. RIH with pkr on 2 3/8" CL tbg. Set pkr @ 3375'. Initiated injection.</p> <p>9-Nov-79 Made TD check with 1" sinker bar. Measured TD at 3516' (34' of fill).</p> <p>12-Jan-91 C/O fill using bailer from 3521 - 3535'. Ran 5 1/2" pkr on 2 3/8" cmt lined tbg. Set pkr. @ 3371'. Return to injection.</p> <p>21-Mar-00 TOOH & LD pkr. & 2 3/8" CL tbg. Set CIBP w/ WL @ 3400'. Spot 75 sxs cmt on CIBP. WOC. Tag TOC @ 2697'. S Spot 25 sxs cmt from 1300 - 1100'. WOC. Tag TOC @ 1090'. Perf'd 6 shots @ 350'. Pmp 120 sxs cmt down 5 1/2" and circ to surf through 5 1/2 x 8 5/8" annulus. Installed Dry hole marker & cleaned location.</p> <p>NMOCD notified - well P&A'd 3-22-2001</p>			
<p>PREPARED BY: Larry S. Adams</p> <p>UPDATED: 09-Sep-02</p>			

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State of New Mexico

RECEIVED Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

MAR 02 2011 1220 South St. Francis Dr.

HOBBSUCD Santa Fe, NM 87505

Form C-102

Revised July 16, 2010

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-09559	² Pool Code 33820/37240	³ Pool Name Jalmat/ Langlie Mattix
⁴ Property Code 306443	⁵ Property Name Cooper Jal Unit	⁶ Well Number 114
⁷ OGRID No. 263848	⁸ Operator Name Resaca Operating Company	⁹ Elevation 3320'

¹⁰ Surface Location

UL or lot no. O	Section 13	Township 24S	Range 36E	Lot Idn	Feet from the 330	North/South line South	Feet from the 2310	East/West line East	County Lea
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

16	13	¹⁷ OPERATOR CERTIFICATION	
		I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.	
		Signature <i>Melanie Reyes</i>	Date 3/01/2011
		Printed Name Melanie Reyes E-mail Address melanie.reyes@resacaexploitation.com	
		¹⁸ SURVEYOR CERTIFICATION	
		I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.	
		Date of Survey	
		Signature and Seal of Professional Surveyor:	
		Certificate Number	