

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
HOBBSOCD

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		⁴ OGRID Number 263848
³ Property Code 306443		³ API Number 30 - 025-09559
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.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	13	24S	36E		330	South	2310	East	Lea

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

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	15'
	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 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 perms @ 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: 

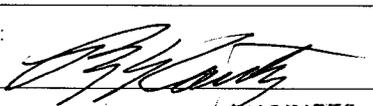
Printed name: Melanie Reyes

Title: Engineer Assistant

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

Date: 3/01/2011 Phone: (432) 580-8500

OIL CONSERVATION DIVISION

Approved by: 

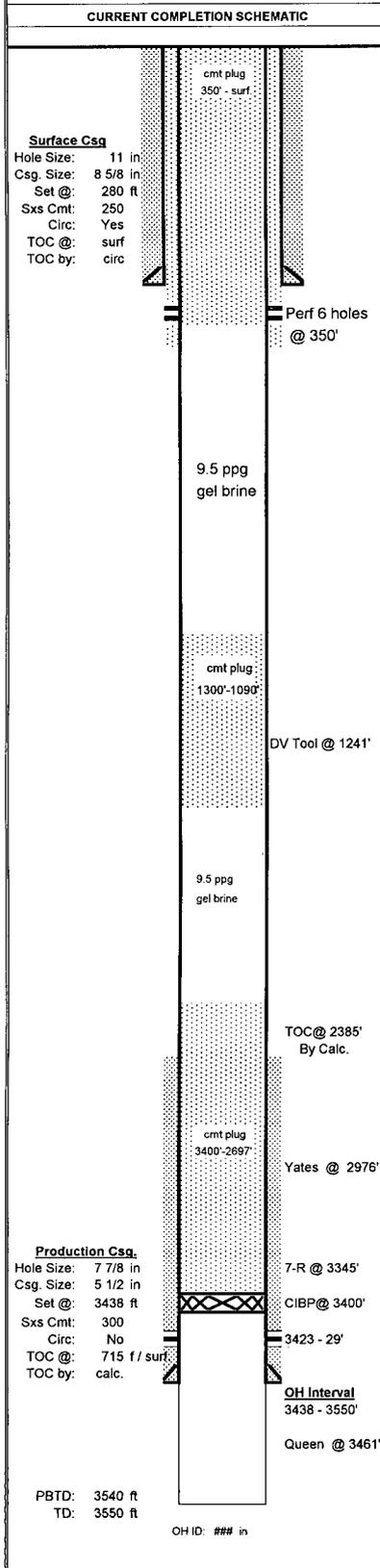
Title: PETROLEUM ENGINEER

Approval Date: APR 06 2011 Expiration Date:

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

Condition of Approval: Approval to recomplate and Test each zone for injection, but cannot inject into wellbore until OCD Santa Fe approves injection order.

WELLBORE SCHEMATIC AND HISTORY



CURRENT COMPLETION SCHEMATIC		LEASE NAME Cooper Jal Unit		WELL NO. 114	
STATUS: P&A'd (3-22-01) Water Injector		LOCATION: 330 FSL & 2310 FEL, Sec 13, T - 24S, R - 36E; Lee County, New Mexico		API# 30-025-09559	
SPUD DATE: TD 3550 KB 3,327' DF		INT. COMP. DATE: 09/21/54 PBTD 3540 GL 3,320'		GEOLOGICAL DATA	
ELECTRIC LOGS: GR-N from 3200 - 3526' (9-20-54 The Western Co.) GR-N from 2900 - 3493' (12-16-64 Welex)		CORES, DST'S or MUD LOGS:			
HYDROCARBON BEARING ZONE DEPTH TOPS: Yates @ 2976' Yates @ 2976' 7-Rivers @ 3345' Queen @ 3461'		CASING PROFILE			
SURF. 8 5/8" - 20#, J-55 set@ 280' Cmt'd w/250 sxs - circ cmt to surf.		PROD. 5 1/2" - 15.5#, J-55 set@ 3438' Cmt'd w/200 sxs - TOC @ 2385' f/ surf by calc. DV tool @ 1241' - pmp 100 sxs.		LINER None TOC@ 715 by calc.	
CURRENT PERFORATION DATA		CSG. PERFS: 3423 - 29' w/ 2 spf (14 holes)		OPEN HOLE : 3438 - 3550'	
TUBING DETAIL		ROD DETAIL			
WELL HISTORY SUMMARY		21-Sep-54 Initial completion interval: 3438 - 3550' (7 RVRS/Qn OH). IP =90 bopd, 0 bwpd, & 101 Mcfgpd (flw'd - no stimulation).		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 1020 sand @ 24 bpm & 1700 psi.	
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.		9-Nov-79 Made TD check with 1" sinker bar. Measured TD at 3516' (34' of fill).		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.	
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.		NMOCD notified - well P&A'd 3-22-2001			
TOC @ 2385' By Calc.		Yates @ 2976'		7-R @ 3345'	
CIBP @ 3400'		3423 - 29'		OH Interval 3438 - 3550'	
Queen @ 3461'		PBTD: 3540 ft		OH ID: ### in	
TD: 3550 ft		PREPARED BY: Larry S. Adams		UPDATED: 09-Sep-02	

