<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III
1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

1220 S. St. Francis Dr., Santa Fe, NM 87505

District IV

HOBBS OCD **State of New Mexico** Energy Minerals and Natural Resources 21 2014 **Oil Conservation Division** RECEIVED

Form C-101 Revised July 18, 2013

☐AMENDED REPORT

1220 South St. Francis Dr. Santa Fe, NM 87505

Phone: (505) 476-3460 Fax: (505) 476-3462 APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

LEGACY RESERVES OPERATING LP PO BOX 10848 MIDLAND, TX 79702										2. OGRID Number 240974 3. API Number			
					30-005-00943								
Property Code 313257 Property Rock Quee							Vame I Unit			<sup>6</sup> . Well No. #89			
					7. Sur	face Lo	cation						
UL - Lot	Section	Township		_	Lot Idn	Feet fro		N/S Line	Feet From	E/W Line	County		
I	36	13-S		31-E	Proposed	1980		South	660	East	Chaves		
UL - Lot	Section	Township	R	lange	N/S Line	Feet From	F/W Line	E/W Line County					
I	1 1 1		1	31-E		1980		South			Chaves		
<u> </u>				<u> </u>	9. Poo	l Inforn	nation	· <u> </u>	<del></del>				
					Pool N Caprock:		Pool Code 8559						
			•					:					
11. Work Type E				Additional Well  2. Well Type O R			otary	y 14. Lease Type S		15. Ground Level Elevation 4382			
16. Multiple 17. No				Proposed Depth 18. Forms 3090 Queen			ion	19. Contractor TBD		<sup>20.</sup> Spud Date 7/15/14			
Depth to Ground water				Distance from nearest fresh water				well Distance			to nearest surface water		
80-185 App				Approximately 1	pproximately 1-1/2 miles in Section 35, T13-S, R31-E					Approximately ½ mile			
X_We will be	using a c	losed-loop	system	in lieu of line	d pits				<u> </u>				
				21. Pro	posed Casi	ng and	Cement	Program					
Туре	Hole Size C		Casing	Casing Size Casing Wei			/ft Setting Depth		Sacks of	Cement	Estimated TOC		
Surface	12-	12-1/4		8-5/8		24		305		0	Circ'd		
Production	tion 7-7/8		5-1/2		14		3073		10	0	2557'-calc'd		
			<del></del>	Casing/Co	ement Pros	gram: A	     ddition:	al Commen	ts				
						<b>-</b>							
				<sup>22.</sup> Proj	osed Blow	vout Pre	evention	Program					
Туре				Working Pressure				Test Pres	ssure	Manufacturer			
Double-ram				Minimum 3000 psi			1000 minimum			TBD			
<sup>23.</sup> I hereby cer	tify that th	ne informatio	n given	above is true ar	nd complete to	o the		,, <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>					
23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.  I further certify that I have complied with 19.15.14.9 (A) NMAC and/or 19.15.14.9 (B) MYAC, if applicable.							OIL CONSERVATION DIVISION  Approved By:						
Signature: Jama Liva							Mant						
Printed name: Laura Pina								Title: Petroleum Engineer					
Title: Regulatory Tech								Approved Date: 08/27/14 Expiration Date: 08/27/16					
E-mail Address: 1pina@legacy1p.com													
Date: 08 19 14 Phone: 432-689-5290 Conditions of Approval Attached  AUG 2 7 2014										7 2018			

Well: RQU #89

**Objective:** Re-enter P&A well and return to production.

Coning	ID (in)	Drift (in)	Burst (psi)	Collapse (psi)	Volume (bbls/1000')
<b>Casing</b> 5-1/2", 14ppf, J-55, surface-3073'	5.012	4.887	4270	3120	24.4
Workstring/Production Tubing 2-7/8", 6.5 ppf, J-55, 8rd EUE, YB	2.441	2.347	7260	7680	5.8

NOTE: It is likely that this well will flow water during or after drilling the bottom plug.

- 1) Remove P&A marker and install 8-5/8"-by-5-1/2" SOW, 5-1/2" nipple, and 5-1/2" Larkin-type head. Top threads of nipple should be 1 to 1-1/2 feet above ground level.
- 2) MIRU doubles unit. NU minimum 3000 psi WP, hydraulically-actuated, double-ram BOP and test to 1000 psi.
- 3) Drill out surface plug with 4-3/4" mill-tooth bit and up to 6 DC's. At 385', pressure test casing to 500 psi before drilling out rest of surface plug to 442'.
- 4) POOH, change to a Henson insert bit, add 4 DC's, and drill out plug at 1314' to 1530', pressure test casing to 300 psi. Continue drilling out plug to 1560'.
- 5) Drill out plug at 1905' to 2210' and pressure test casing to 300 psi. Continue drilling out cement plugs to TD and circulate clean. PU one stand, wait 2 hours, then tag TD and circulate clean and POOH.
- 6) RBIH with bit, bit sub, one DC, 4-3/4" string mill, one DC, 4-3/4" string mill and 4 DC's. Clean out to TD at 3077, PU one stand, wait 2 hours, tag TD and circulate clean. Continue short-tripping and circulating bottoms up until hole is clean before POOH.
- 7) RIH w/RBP and treating packer, set RBP at 2700', and test to 1000 psi. Test casing COOH w/packer. Isolate any leaks with RBP and packer and EIR at less than 1000 psi. POOH w/tools.
- 8) RBIH w/packer and acidize the OH interval w/500 gals 90/10 inhibited 7-1/2% NEFE/xylene at maximum rate without exceeding 4000 psi surface treating pressure. Test tubing GIH to 5000 psi. Flush/overflush acid/xylene w/40 bbls freshwater, record initial and 15-mins shut in pressure, flow down well and POOH
- 9) RIH w/ TAC and stator on 2-7/8" workstring and set. Run rotor and rods and install surface unit. Connect to flowline and put on production.

