

Submit within 45 days of well completion	State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505	Revised November 6, 2013				
		1. WELL API NO: 30-015-40084				
		2. Well Name: WELCH RL STATE #018				
		3. Well Number: 018				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:D Lot:D Section:28 Township:17S Range:28E Feet from:430 N/S Line:N Feet from:330 E/W Line:W				
		5. Bottom Hole Location: Unit:D Lot:D Section:28 Township:17S Range:28E Feet from:430 N/S Line:N Feet from:330 E/W Line:W				
		6. Iatitidue: 32.8111801 longitude: -104.1882172				
		7. County: Eddy				
8. Operator Name and Address: LRE OPERATING, LLC 1111 Bagby Suite 4600 Houston 77002		9. OGRID: 281994	10. Phone Number: 713-292-9517			
11. Last Fracture Date: 7/2/2015 Frac Performed by: PRODUCERS SERVICE CORP		12. Production Type: O				
13. Pool Code(s): 96830		14. Gross Fractured Interval: 3,376 ft to 3,510 ft				
15. True Vertical Depth (TVD): 3,650 ft		16. Total Volume of Fluid Pumped: 321,930 gals				
17. Total Volume of Re-Use Water Pumped: 321,930 gals		18. Percent of Re-Use Water in Fluid Pumped: 100%				
19. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION:						
Trade Name	Supplier	Purpose	Ingredients	(CAS #) Chemical Abstract Service #	Maximum Ingredient Concentration in Additive (% by mass)	Maximum Ingredient Concentration in HF Fluid (% by mass)
Water	Lime Rock Resources	Carrier/Base Fluid	Water	7732-18-5	100%	89.999706%
Sand (Proppant)	PSC	Proppant	Silica Substrate	14808-60-7	100%	9.4708398%
Acid 15% HCL	Producers Service Corp	Acidizing	Hydrochloric Acid	7647-01-0	10%	0.0402129%
Pro FRA 407	Producers Service Corp	Friction Reducer	Petroleum Distillates	64742-47-8	40%	0.0170238%
			Polyacrylamide salt	Proprietary	30%	0.0127679%
			Sodium Chloride	7647-14-5	5%	0.002128%
			Ammonium Chloride	12125-02-9	5%	0.002128%
			Ethoxylate Alcohol	Proprietary	5%	0.002128%
			Tall oil	Proprietary	2%	0.0008512%
			Proprietary Ingredient	Proprietary	1%	0.0004256%
Pro Scale 125	Producers Service Corp	Scale Inhibitor	Phosphonated compound	Proprietary	15%	0.0065014%
			Ammonium Chloride	12125-02-9	2.5%	0.0010836%
Pro Scav 30	Producers Service Corp	Oxygen Scavenger	Ammonium Bisulfite	10192-30-0	55%	0.0216713%
			Water	7732-18-5	55%	0.0216713%
Pro NE 145	Producers Service Corp	Nonemulsifier	2-Butoxy-1-ethanol	111-76-2	15%	5.38E-05%
			Cocamide Diethanolamine Salt	68603-42-9	10%	3.59E-05%
			Diethanolamine	111-42-2	5%	1.79E-05%
			Methyl Alcohol	67-56-1	15%	5.38E-05%
			Water	7732-18-5	66%	0.0002368%
Pro Hib 256	Producers Service Corp	Corrosion Inhibitor	Alcohol Ethoxylate Surfactants	Proprietary	30%	0.0001284%
			Methyl Alcohol	67-56-1	70%	0.0002996%
			n-olefins	Proprietary	10%	4.28E-05%
			Propargyl Alcohol	107-19-7	8%	3.42E-05%
			thiourea-formaldehyde copolymer	68527-49-1	30%	0.0001284%
Pro Reduce	Producers Service Corp	Iron Control	2-Mercaptoethanol	60-24-2	75%	0.0009258%
			Aqua Ammonia	1336-21-6	12%	0.0001481%
			Cupric Chloride	10125-13-0	7%	8.64E-05%
			Potassium Iodide	7681-11-0	1%	1.23E-05%
			Water	7732-18-5	7%	8.64E-05%
20. I, as Operator, hereby certify that the information shown on this disclosure form is true and complete to the best of my knowledge and belief.						
Signature: Signed Electronically Printed Name: Mike Pippin		Title: Consultant				
Date: 7/11/2015						
E-mail Address: mike@pippinllc.com						

NMOCD does not require the reporting of information beyond MSDS data as described in 29 CFR 1910.1200. NMOCD does not require the reporting or disclosure of proprietary, trade secret or confidential business information.