

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: 30-015-41889				
		2. Well Name: WILLIAMS B FEDERAL #011				
		3. Well Number: 011				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:F Lot:F Section:29 Township:17S Range:28E Feet from:2300 N/S Line:N Feet from:1650 E/W Line:W				
		5. Bottom Hole Location: Unit:F Lot:F Section:29 Township:17S Range:28E Feet from:2300 N/S Line:N Feet from:1650 E/W Line:W				
		6. Iatitute: 32.8060400937966 Longitude: - 104.200972589006				
		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: 3/17/2014 Frac Performed by: ELITE		12. Production Type: O				
13. Pool Code(s): 96830		14. Gross Fractured Interval: 3,370 ft to 3,510 ft				
15. True Vertical Depth (TVD): 3,538 ft		16. Total Volume of Fluid Pumped: 71,349 gals				
17. Total Volume of Re-Use Water Pumped: 0 gals		18. Percent of Re-Use Water in Fluid Pumped: %				
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)
SAND	US SILICA	PROPPANT	SILICON DIOXIDE	14808-60-7	100%	10.29638%
SUPER DC/LC	SANTROL	PROPPANT	SILICON DIOXIDE	14808-60-7	97%	2.46885%
			P/F NOVOLAK RESIN	9003-35-4	5%	0.12726%
			HEXAMETHYLENETETRAMINE	1009-7-0	1%	0.02545%
B-15	WATER SCIENCE	BIOCIDE	TETRAKIS	55566-30-8	20%	0.00179%
HCL 15%	REAGENT	ACID	37% HYDROCHLORIC ACID	7647-01-0	15%	0.37856%
I-112	CHEMPLEX	CORROSION INHIBITOR	METHANOL	67-56-1	49.6%	0.00195%
			PROPARGYL ALCOHOL	107-19-7	4%	0.00016%
SG-15G	PIP TECHNOLOGY	POLYMER	GUAR GUM	9000-30-0	50%	0.2347%
			MINERAL OIL	64742-47-8	55%	0.25817%
			BENTONITE CLAY	14808-60-7	2%	0.00939%
			SURFACTANT	68439-51-0	2%	0.00939%
XL-335	ASK	CROSSLINKER	ETHYLENE GLYCOL	107-21-1	25%	0.02654%
			PPOTASSIUM HYDROXIDE	1310-58-3	25%	0.02654%
			TRADE SECRET	TRADE SECRET	25%	0.02654%
			TRADE SECRET	TRADE SECRET	15%	0.01593%
BC-1	BENCHMARK	BREAKER	TRIETHANOLAMINE	102-71-6	100%	0.00973%
			DIETHANOLAMINE	111-42-2	30%	0.00292%
GB-2	FRITZ INDUSTRIES	BREAKER	AMMONIUM PERSULFATE	7727-54-0	99.9%	0.0155%
GB-150	CHEMPLEX	BREAKER	NON-HAZARDOUS INGREDIENTS	NA	100%	0.06973%
NE-212	CHEMPLEX	NON-EMULSIFIER	ISOPROPANOL	67-63-0	5%	0.0001%
			METHANOL	67-56-1	50%	0.00102%
			ALKYL QUANTERNARY AMMONIUM CHLORIDE	MIXTURE	25%	0.00051%
			DIETHANOLAMINE	111422	2%	2E-05%
			1,3-PROPANEDIOL, 2-AMINO-2-(HM)-POLYM	TRADE SECRET	8%	0.00016%
			2-BUTOXY-1-ETHANOL	111-76-2	7%	0.00014%
			COCAMIDE DIETHANOLAMINE SALT	68603-42-9	2%	4E-05%
NE-227	CESI	NON-EMULSIFIER	ISOPROPANOL	67-63-0	15%	0.01284%
			METHANOL	67-56-1	15%	0.01284%
			ETHOXYLATED NONYLPHENOL	9016-45-9	20%	0.01712%
FE-4	CHEMPLEX	IRON CONTROL	CITRIC ACID	77-92-9	55%	0.00764%
SI-625	KELTECH	SCALE INHIBITOR	METHANOL	67-56-1	19.9%	0.00895%
SUPERSET W	SANTROL	ACTIVATOR	METHANOL	67-56-1	50%	0.02243%
			POLY(OXYETHYLENE NONYPHENOL	9016-45-9	54%	0.02423%
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: 4/9/2014						
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.