

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: 30-015-41376				
		2. Well Name: KAISER B 18B #016				
		3. Well Number: 016				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:B Lot:B Section:18 Township:18S Range:27E Feet from:380 N/S Line:N Feet from:2210 E/W Line:E				
		5. Bottom Hole Location: Unit:B Lot:B Section:18 Township:18S Range:27E Feet from:380 N/S Line:N Feet from:2210 E/W Line:E				
		6. Latitude: 32.7539978 longitude: -104.3162689				
		7. County: Eddy				
8. Operator Name and Address: LIME ROCK RESOURCES II-A, L.P. 1111 Bagby Street Suite 4600 Houston 77002		9. OGRID: 277558		10. Phone Number: 713-292-9517		
11. Last Fracture Date: 9/17/2015 Frac Performed by: PRODUCER SERVICE		12. Production Type: O				
13. Pool Code(s): 96836		14. Gross Fractured Interval: 2,730 ft to 4,477 ft				
15. True Vertical Depth (TVD): 4,700 ft		16. Total Volume of Fluid Pumped: 4,650 gals				
17. Total Volume of Re-Use Water Pumped: 4,650 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)
SAND	PSC	PROPPANT	SILICON DIOXIDE	14808-60-7	100%	7.06927%
15% HYDROCHLORIC ACID	PSC	ACIDIZING	HYDROCHLORIC ACID	7647-01-0	10%	0.03345%
PRO BIO 5000	PSC	BIOCIDE	2,2-DIBROMO-3-NITRILOPROPIONAMIDE	10222-01-2	5%	0.00132%
PRO FR 953	PSC	FRICTION REDUCER	POLYACRYLAMIDE CO-ACRYLIC ACID	9003-06-9	32%	0.01709%
			HYDROTREATED PETROLEUM DISTILLATE	64742-47-8	25%	0.01335%
			ALCOHOL ETHOXYLATE SURFACTANTS	TRADE SECRET	5%	0.00267%
			SODIUM CHLORIDE	7647-14-5	15%	1E-05%
NEA-100	ROYWELL SERVICE	NON-EMULSIFIER	ALKYLBENZENE SULFONIC ACID	85536-14-7	10%	3E-05%
IRA-200	ROYWELL SERVICE	IRON CONTROL	HYDROCHLORIC ACID	7647-01-0	93%	0.00032%
			STANNOUS CHLORIDE DIHYDRATE	7772-99-8	16%	5E-05%
CI-310	ROYWELL SERVICE	CORROSION INHIBITOR	METHYL ALCOHOL	67-56-1	45%	0.00011%
			ISOQUINOLINE	TRADE SECRET	15%	4E-05%
			DIMETHYL FORMAMIDE	68-12-2	10%	3E-05%
			ETHYLENE GLYCOL	107-21-1	20%	5E-05%
			2-BUTOXYETHANOL	111-76-2	5%	1E-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: 10/21/2015						
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.