

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. 30-015-43833				
		2. Well Name: SIMPSON 15 B #005				
		3. Well Number: 005				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:B Lot:B Section:15 Township:18S Range:26E Feet from:430 N/S Line:N Feet from:1760 E/W Line:E				
		5. Bottom Hole Location: Unit:B Lot:B Section:15 Township:18S Range:26E Feet from:430 N/S Line:N Feet from:1760 E/W Line:E				
		6. Latitude: 32.7551234 longitude: -104.3606067				
		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: 11/17/2016 Frac Performed by: PRODUCERS SERVICE			12. Production Type: O			
13. Pool Code(s): 3250			14. Gross Fractured Interval: 2,440 ft to 3,990 ft			
15. True Vertical Depth (TVD): 4,101 ft			16. Total Volume of Fluid Pumped: 1,395,250 gals			
17. Total Volume of Re-Use Water Pumped: 1,395,250 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	PROPANT	SILICON DIOXIDE	14808-60-7	100%	0.91503%
			SILICON DIOXIDE	14808-60-7	99.9%	0.91411%
15% HCL	PSC	ACIDIZING	HYDROCHLORIC ACID	7647-01-0	37%	0.16623%
PRO REDUCER	PSC	IRON CONTROL	2-MERCAPTOETHANOL	60-24-2	75%	0.00096%
			AQUA AMMONIA	1336-21-6	12%	0.00015%
			CUPRIC CHLORIDE	10125-13-0	7%	9E-05%
			POTASSIUM IODIDE	7681-11-0	1%	1E-05%
PRO SCALE 125	PSC	SCALE INHIBITOR	PHOSPHONATED COMPOUND	TRADE SECRET	15%	0.00358%
			AMMONIUM CHLORIDE	12125-02-9	2.5%	0.0006%
PRO HIB 360	PSC	ACID CORROSION INHIBITOR	METHYL ALCOHOL	67-56-1	45%	0.00015%
			ETHYLENE GLYCOL	107-21-1	20%	7E-05%
			ISOQUINOLINE	TRADE SECRET	15%	5E-05%
			DIMETHYL FORMAMIDE	68-12-2	10%	3E-05%
PRO BIO 714	PSC	BIOCIDE	2-BUTOXYETHANOL	111-76-2	5%	2E-05%
			GLUTARALDEHYDE	111-30-8	14%	0.00333%
			QUATERARY AMMONIUM COMPOUNDS	68424-85-1	2.5%	0.0006%
			ETHANOL	64-17-5	0.3%	7E-05%
PRO NE 2520	PSC	NON EMULSIFIER	SULFERIC ACID, MONO (2-ETHYLHEXY) ESTER, SODIUM	126-92-1	50%	0.00016%
			DIPROPYLENE GLYCOL MONOMETHYL ETHER	34590-94-8	10%	3E-05%
			TRADE SECRET	TRADE SECRET	5%	2E-05%
			PETROLEUM DISTILLATES	64742-47-8	30%	0.01291%
PRO FR SLF	PSC	FRICTION REDUCER	ALCOHOLS ETHOXYLATED	68002-97-1	31%	0.01334%
			ALCOHOLS, ETHOXYLATED	68439-50-9	31%	0.01334%
			ALCOHOLS, ETHOXYLATED	68551-12-2	31%	0.01334%
			SAND	PSC	PROPANT	SILICON DIOXIDE
			SILICON DIOXIDE	14808-60-7	99.9%	8.78902%
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: 12/16/2016						
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.