

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: 30-015-40805				
		2. Well Name: VANDAGRIFF 8 D FEDERAL #004				
		3. Well Number: 004				
HYDRAULIC FRACTURING FLUID DISCLOSURE  <input checked="" type="checkbox"/> Original  <input type="checkbox"/> Amendment		4. Surface Hole Location: Unit:D    Lot:D    Section:8    Township:18S    Range:27E Feet from:330    N/S Line:N Feet from:990    E/W Line:W				
		5. Bottom Hole Location: Unit:D    Lot:D    Section:8    Township:18S    Range:27E Feet from:330    N/S Line:N Feet from:990    E/W Line:W				
		6. latitude:    longitude: 32.7685966    -104.3057785				
		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:    8/16/2016    Frac Performed by:    CUDD		12. Production Type: O				
13. Pool Code(s): 51120		14. Gross Fractured Interval: 4,180 ft to 4,370 ft				
15. True Vertical Depth (TVD): 4,441 ft		16. Total Volume of Fluid Pumped: 204,303 gals				
17. Total Volume of Re-Use Water Pumped: 204,303 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		Carrier / Base Fluid		7732-18-5	100%	90.19833%
Sand		Proppant	Silicon Dioxide	14808-60-7	100%	8.96238%
B-15	Brenntag	Biocide	Tetrakis (hydroxymethyl) phosphonium sulfate	55566-30-8	20%	0.00183%
			Water	7732-18-5	80%	0.00731%
B-24	Lubrizol	Biocide	2,2 Dibromo-3-Nitrilopropionamide	10222-01-2	100%	0.00117%
FR-601	SNF	Friction Reducer	Copolymer of acrylamide and sodium acrylate	25987-30-8	10%	0.00923%
			Isoparaffinic Solvent	64742-47-8	10%	0.00923%
			Water	7732-18-5	60%	0.05535%
			Nonylphenol	9016-45-9	10%	0.00923%
			Sorbitan Monooleate	1338-43-8	10%	0.00923%
15% Hydrochloric Acid	Reagent	Scale Dissolver	37% Hydrochloric Acid	7647-01-0	15%	0.10678%
			Water	7732-18-5	85%	0.60507%
I-112	Chemplex,L.C.	Acid Corrosion Inhibitor	Methanol	67-56-1	49.6%	0.00055%
			Propargyl Alcohol	107-19-7	4%	4E-05%
NE-227	PfP Technology	Non-emulsifier	Mixture of surfactants & copolytmers	Proprietary	10%	9E-05%
			Propylene Glycol	57-55-6	10%	9E-05%
			Water	7732-18-5	80%	0.00069%
FE-6	Rockwater	Iron Control Additive	Acetic Acid	Mixture	85%	0.00318%
			Methanol	67-56-1	5%	0.00019%
SI-625	Multiple Suppliers	Scale Inhibitor	Methanol	67-56-1	19.9%	0.00382%
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:    8/29/2016						
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.