

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 February 15, 2012					
		1. WELL API NO. 30-015-39948					
		2. Well Name: FALCON 3 K FEDERAL #028					
		3. Well Number: 028					
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:K Lot:K Section:3 Township:18S Range:27E Feet from:2310 N/S Line:S Feet from:2390 E/W Line:W					
		5. Bottom Hole Location: Unit:K Lot:K Section:3 Township:18S Range:27E Feet from:2310 N/S Line:S Feet from:2390 E/W Line:W					
		6. Latitude: 32.7757164413976 Longitude: - 104.267060543777					
		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: 6/18/2013 Frac Performed by: ELITE				12. Production Type: O			
13. Pool Code(s): 51120				14. Gross Fractured Interval: 3,120 ft to 3,326 ft			
15. True Vertical Depth (TVD): 5,101 ft				16. Total Volume of Fluid Pumped: 1,103 bbls			
17. 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 Brown 16/30	ELITE	Proppant	SILICON DIOXIDE	14808-60-7	100%	64.33773%	
RSC PROPPANT	ELITE	Proppant	SILICON DIOXIDE	14808-60-7	100%	19.60523%	
AMA-398	CHEMPLEX, LC	Biocide	TETRAHYDRO-3, DIMETHYL-2H-1	533-74-4	98%	0.10325%	
SODIUM PERSULFATE	CHEMPLEX, LC	BREAKER	SODIUM PERSULFATE	7775-27-1	98%	0.04966%	
CLAYMAX	CHEMPLEX, LC	Clay Control	Choline Chloride	67-48-1	62%	0.35659%	
FERRIPLEX 66	CHEMPLEX, LC	Iron Control	ACETIC ACID	64-19-7	50%	0.02384%	
			CITRIC ACID	77-92-9	30%	0.0143%	
PLEXBOR 101	CHEMPLEX, LC	Crosslinker	Ethylene Glycol	107-21-1	9.99%	0.05391%	
			POTASSIUM METRABORATE	13709-94-9	30%	0.16197%	
			POTASSIUM HYDROXIDE	1310-58-3	5%	0.027%	
			COCAMIDE DIETHANOLAMINE SALT	68603-42-9	30%	0.00223%	
PLEXBREAK 150	CHEMPLEX, LC	Non-emulsifier	DIETHANOLAMINE	111-42-2	20%	0.00149%	
			METHYL ALCOHOL	67-56-1	50%	0.00372%	
			TRADE SECRET	Trade Secret	5%	0.00037%	
			MANNANASE ENZYMES	Trade Secret	2%	0.00727%	
PLEXGEL BREAKER 101	CHEMPLEX, LC	BREAKER	SODIUM CHLORIDE	7647-14-5	15%	0.0545%	
			METHYL ALCOHOL	67-56-1	70%	0.00994%	
			PROPARGYL ALCOHOL	107-19-7	8%	0.00114%	
			THIOUREA-FORMALDEHYDE COPOLYMER	68527-49-1	30%	0.00426%	
PLEXHIB 256	CHEMPLEX, LC	Corrosion Inhibitor	ALCOHOL ETHOXYLATE SURFACTANTS	Trade Secret	30%	0.00426%	
			N-OLEFINS	TRADE SECRET	10%	0.00142%	
			SECONDARY ALCOHOL ETHOXYLATE	84133-50-6	50%	0.13408%	
			METHYL ALCOHOL	67-56-1	50%	0.13408%	
PLEXSET 730	CHEMPLEX, LC	ACTIVATOR	METHYL ALCOHOL	67-56-1	20%	0.00161%	
			ALCOHOL ETHOXYLATE SURFACTANTS	Trade Secret	20%	0.00161%	
PLEXSURF 240 E	CHEMPLEX, LC	SURFACTANT	Guar Gum	9000-30-0	50%	1.45023%	
			MINERAL OIL	64742-47-8	55%	1.59525%	
PLEXGEL 907 LE	PFP TECHNOLOGY	POLYMER	BENTONITE CLAY	14808-60-7	2%	0.05801%	
			SURFACTANT	68439-51-0	2%	0.05801%	
18. 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: 6/21/2013							
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.