

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					
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		1. WELL API NO: 30-015-42190					
		2. Well Name: LEE FEDERAL #079					
		3. Well Number: 079					
		4. Surface Hole Location: Unit:L Lot:L Section:20 Township:17S Range:31E Feet from:1710 N/S Line:S Feet from:330 E/W Line:W					
		5. Bottom Hole Location: Unit:L Lot:L Section:20 Township:17S Range:31E Feet from:1710 N/S Line:S Feet from:330 E/W Line:W					
		6. latitude: 32.8174943192897 longitude: -103.899420896711					
		7. County: Eddy					
8. Operator Name and Address: APACHE CORP 303 Veterans Airpark Lane Suite 3000 Midland 79705		9. OGRID: 873	10. Phone Number: 432-818-1062				
11. Last Fracture Date: 6/19/2014 Frac Performed by: Baker Hughes		12. Production Type: O					
13. Pool Code(s): 96831		14. Gross Fractured Interval: 4,650 ft to 6,253 ft					
15. True Vertical Depth (TVD): 6,253 ft		16. Total Volume of Fluid Pumped: 558,810 gals					
17. Total Volume of Re-Use Water Pumped: N/A		18. Percent of Re-Use Water in Fluid Pumped: Not Disclosed					
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	Operator	Carrier	Water	7732-18-5	100%	85.7837%	
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.24059%	
Activator, 330 gal tote	Baker Hughes	Activator	Alcohols, C12-14-Secondary, Ethoxylated	84133-50-6	70%	0.02916%	
			Methanol	67-56-1	50%	0.02083%	
			Polyethylene glycol	25322-68-3	5%	0.00208%	
Alpha 125	Baker Hughes	Biocide	Glutaraldehyde	111-30-8	30%	0.00621%	
GBW-5	Baker Hughes	Breaker	Ammonium Persulphate	7727-54-0	100%	0.00221%	
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.03084%	
			Water	7732-18-5	30%	0.01234%	
CI-14	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret	10%	0.00323%	
			Methanol	67-56-1	100%	0.0323%	
			Olefin	Trade Secret	5%	0.00162%	
			Polyoxyalkylenes	Trade Secret	30%	0.00969%	
			Propargyl Alcohol	107-19-7	5%	0.00162%	
XLW-10A	Baker Hughes	Crosslinker	Ethylene Glycol	107-21-1	25%	0.03093%	
			Sodium Hydroxide	1310-73-2	9%	0.01114%	
			Sodium Tetraborate	1330-43-4	12%	0.01485%	
GW-4	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	100%	0.18793%	
Ferrotrol 280L	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.00439%	
			Ammonium Hydroxide	1336-21-6	5%	0.00022%	
			Cupric Chloride	7447-39-4	5%	0.00022%	
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Propylene Glycol	57-55-6	15%	0.01268%	
Sand, Brown, 16/30	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	9.81333%	
SiberProp, 16/30	Baker Hughes	Proppant	Quartz (SiO2)	14808-60-7	100%	2.16667%	
S-200	Baker Hughes	Surfactant	Ethanol	64-17-5	10%	0.00792%	
Ingredients shown above are subject to 29 CFR 1910			Alcohols, C10-16, ethoxylated propoxylated	Trade Secret	0%	0.0039594%	
			Alcohols, C6-12, ethoxylated propoxylated	Trade Secret	0%	0.0039594%	
			Alcohols, ethoxylated	Trade Secret	0%	0.0031676%	
			Amines, unsatd. alkyl, ethoxylated	Trade Secret	0%	0.0015838%	
			Benzenesulfonic acid, hexadecyl (sulfophenoxy)-, disodium salt	Trade Secret	0%	0.001691%	
			Formaldehyde	50-00-0	0%	0.000323%	
			Hydrochloric Acid	7647-01-0	0%	0.000323%	
			Methanol	67-56-1	0%	5.17E-05%	
			Modified Thiourea Polymer	68527-49-1	0%	0.0022612%	
			Nonionic glycol ester	Trade Secret	0%	0.0211377%	
			Sodium lauriminodipropionate	Trade Secret	0%	0.0008455%	
			Sodium octylimodlpropionate	Trade Secret	0%	0.0025365%	
			Water	7732-18-5	0%	1.4044456%	
	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: Sandra J Belt		Title: Sr. Regulatory Tech		
Date: 12/4/2014							
E-mail Address: sandra.belt@apachecorp.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.