

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: 30-015-39888				
		2. Well Name: LEE FEDERAL #050				
		3. Well Number: 050				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:C Lot:C Section:20 Township:17S Range:31E Feet from:1015 N/S Line:N Feet from:1580 E/W Line:W				
		5. Bottom Hole Location: Unit:C Lot:C Section:20 Township:17S Range:31E Feet from:1015 N/S Line:N Feet from:1580 E/W Line:W				
		6. latitude: longitude: 32.8244993967501 - 103.895360244883				
		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: 5/14/2012 Frac Performed by: Baker Hughes				12. Production Type: O		
13. Pool Code(s): 96831				14. Gross Fractured Interval: 5,530 ft to 6,080 ft		
15. True Vertical Depth (TVD): 6,080 ft				16. Total Volume of Fluid Pumped: 7,695 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)
Water	Operator	Carrier	Water	7732-18-5	100%	83.8611%
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.37908%
			Water	7732-18-5	85%	2.14813%
Superset-W, 330 gl tote	Baker Hughes	Activator	Methanol	67-56-1	50%	0.02066%
			Poly (Oxyethylene) Nonylphenol Ether	9016-45-9	50%	0.02066%
Alpha 125	Baker Hughes	Biocide	Glutaraldehyde	111-30-8	30%	0.00707%
GBW-5	Baker Hughes	Breaker	Ammonium Persulfate	7727-54-0	100%	0.00436%
GBW-15L	Baker Hughes	Breaker	Enzyme solution	Trade Secret	100%	0.08641%
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.03333%
			Water	7732-18-5	30%	0.01333%
Cl-14	Baker Hughes	Corrosion Inhibitor	Fatty Acids	61790-12-3	10%	0.00036%
			Methanol	67-56-1	100%	0.00361%
			Olefin	64743-02-8	5%	0.00018%
			Polyoxyalkylenes	68951-67-7	30%	0.00108%
			Propargyl Alcohol	107-19-7	5%	0.00018%
XLW-10A	Baker Hughes	Crosslinker	Ethylene Glycol	107-21-1	30%	0.02961%
			Sodium Hydroxide	1310-73-2	10%	0.00987%
			Sodium Tetraborate	1330-43-4	30%	0.02961%
BioSealers MR	Baker Hughes	Degradable Sealers	Non-Hazardous Ingredient	Trade Secret	100%	0.00367%
GW-4LDF	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	40%	0.19907%
			Petroleum Distillates Blend	Trade Secret	70%	0.34838%
Ferrotrol 280L	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.00686%
			Ammonium Hydroxide	1336-21-6	5%	0.00034%
			Cupric Chloride	7447-39-4	5%	0.00034%
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Mixture of Surfactants	Trade Secret	50%	0.0427%
			Propylene Glycol	57-55-6	30%	0.02562%
Sand, White, 16/30	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	10.14726%
Super LC, 16/30	Baker Hughes	Proppant	Hexamethylenetetramine	1009-7-0	0.01%	0.00022%
			P/F Resin	9003-35-4	5%	0.10905%
			Silicon Dioxide (Silica Sand)	14808-60-7	97%	2.11552%
ScaleSorb 3, (50# bag)	Baker Hughes	Scale Inhibitor	Amino Alkyl Phosphonic Acid	Trade Secret	30%	0.00467%
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1%	0.00016%
			Diatomaceous Earth, Calcined	91053-39-3	100%	0.01556%
			Phosphonic Acid	13598-36-2	1%	0.00016%
ES-4A, Greenskeeper Solvent	Baker Hughes	Solvent	Petroleum Distillates Blend	Trade Secret	100%	0.05115%
InFlo 250G, 330 gl tote	Baker Hughes	Surfactant	Methanol	67-56-1	30%	0.02538%
			Mixture of Surfactants	Trade Secret	50%	0.0423%
			Water	7732-18-5	30%	0.02538%
Ingredients shown above are subject to 29 CFR 1910			Alcohols, C12-14, Ethoxylated Propoxylated	68439-51-0	0%	0.0248841%
			Crystalline Silica, Quartz	14808-60-7	0%	0.0248841%
			Formaldehyde	50-00-0	0%	0%
			Hydrochloric Acid	7647-01-0	0%	0%
			Isotridecanol, Ethoxylated (TDA-6)	9043-30-5	0%	0.0248841%
			Isotridecanol, Ethoxylated (TDA-9)	9043-30-5	0%	0.0248841%
			Methanol	67-56-1	0%	5.89E-05%
			Modified Thiourea Polymer	68527-49-1	0%	0%
			Quaternary Ammonium Compounds bis [Hydrogenated Tallow Alkyl] Dimethyl Salts With Bentonite	68953-58-2	0%	0.0248841%
			Water	7732-18-5	0%	0.0631173%
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: Reesa R. Holland Title: Sr. Engineering Tech						
Date: 7/20/2012						
E-mail Address: reesa.holland@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.