

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: 30-015-40551				
		2. Well Name: NFE FEDERAL #016				
		3. Well Number: 016				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:P Lot:P Section:5 Township:17S Range:31E Feet from:330 N/S Line:S Feet from:330 E/W Line:E				
		5. Bottom Hole Location: Unit:P Lot:P Section:5 Township:17S Range:31E Feet from:330 N/S Line:S Feet from:330 E/W Line:E				
		6. latitude: 32.8571974117885 longitude: - 103.884525343049				
		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: 11/28/2012 Frac Performed by: Halliburton		12. Production Type: O				
13. Pool Code(s): 96831		14. Gross Fractured Interval: 6,030 ft to 6,150 ft				
15. True Vertical Depth (TVD): 6,400 ft		16. Total Volume of Fluid Pumped: 2,579 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)
Fresh Water	Operator				100%	87.3491%
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	9.23706%
CRC SAND	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	2.93123%
			Hexamethylenetetramine	100-97-0	2%	0.05862%
			Phenol / formaldehyde resin	9003-35-4	5%	0.14656%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.02419%
			Monoethanolamine borate	26038-87-9	100%	0.08065%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.00133%
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.0379%
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.0379%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00503%
FDP-S1041-12	Halliburton	Non-ionic Surfactant	Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-.omega.-hydroxy-Complex alkylamine	61827-42-7	0.3%	0.0006%
					0.05%	0.0001%
CLA-WEB™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.01064%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.18925%
Ingredients Listed Below This Line Are Part of the			1,2-Benzisothiazolin-3-one	2634-33-5	0%	0%
			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt	915-67-3	0%	0%
			Amine Salts	Confidential Business Information	0%	0%
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			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0%
			Calcium chloride	10043-52-4	0%	0%
			Crystalline Silica, Quartz	14808-60-7	0%	0%
			Enzyme	Confidential Business Information	0%	0%
			Oxyalkylated Phenolic Resin	Confidential Business Information	0%	0%
			Oxyalkylated Phenolic Resin	Confidential Business Information	0%	0%
			Quaternary Amine	Confidential Business Information	0%	0%
			Quaternary Amine	Confidential Business Information	0%	0%
			Quaternary Amine	Confidential Business Information	0%	0%
			Silica gel	112926-00-8	0%	0%
			Sodium Chloride	7647-14-5	0%	0%
			Surfactant Mixture	Confidential Business Information	0%	0%
			Surfactant Mixture	Confidential Business Information	0%	0%
Water	7732-18-5	0%	0%			
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: Sandra J Belt Title: Sr. Regulatory Tech						
Date: 6/5/2013						
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.						