

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: 30-015-40019						
		2. Well Name: WASHINGTON 33 STATE #042						
		3. Well Number: 042						
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:L Lot:L Section:33 Township:17S Range:28E Feet from:2210 N/S Line:S Feet from:330 E/W Line:W						
		5. Bottom Hole Location: Unit:L Lot:L Section:33 Township:17S Range:28E Feet from:2210 N/S Line:S Feet from:330 E/W Line:W						
		6. latitude: 32.7898426588854 longitude: - 104.188288664492						
		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: 4/19/2012 Frac Performed by: Baker Hughes				12. Production Type: O				
13. Pool Code(s): 96830				14. Gross Fractured Interval: 3,433 ft to 4,862 ft				
15. True Vertical Depth (TVD): 4,862 ft				16. Total Volume of Fluid Pumped: 7,592 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%	83.33223%		
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.38635%		
			Water	7732-18-5	85%	2.1893%		
Activator, 330 gal tote	Baker Hughes	Activator	Alcohols, C12-14-Secondary, Ethoxylated	84133-50-6	70%	0.03617%		
			Methanol	67-56-1	50%	0.02584%		
Alpha 125	Baker Hughes	Biocide	Glutaraldehyde	111-30-8	30%	0.00596%		
GBW-5	Baker Hughes	Breaker	Ammonium Persulfate	7727-54-0	100%	0.00784%		
Enzyme G-I	Baker Hughes	Breaker	Hemicellulase Enzyme Concentrate	9025-56-3	3%	0.00243%		
			Water	7732-18-5	97%	0.07859%		
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.04106%		
			Water	7732-18-5	30%	0.01642%		
CI-14	Baker Hughes	Corrosion Inhibitor	Fatty Acids	61790-12-3	10%	0.00032%		
			Methanol	67-56-1	100%	0.00318%		
			Olefin	64743-02-8	5%	0.00016%		
			Polyoxyalkylenes	68951-67-7	30%	0.00096%		
			Propargyl Alcohol	107-19-7	5%	0.00016%		
XLW-10A	Baker Hughes	Crosslinker	Ethylene Glycol	107-21-1	30%	0.03021%		
			Sodium Hydroxide	1310-73-2	10%	0.01007%		
			Sodium Tetraborate	1330-43-4	30%	0.03021%		
			Guar Gum	9000-30-0	60%	0.33188%		
GW-4LDF	Baker Hughes	Gelling Agent	Paraffinic Petroleum Distillate	64742-55-8	60%	0.33188%		
			Petroleum Distillate	64742-47-8	60%	0.33188%		
			2-Mercaptoethanol	60-24-2	100%	0.00748%		
Ferrotrol 280L	Baker Hughes	Iron Control	Ammonium Hydroxide	1336-21-6	5%	0.00037%		
			Cupric Chloride	7447-39-4	5%	0.00037%		
			Oxyalkylated alcohol	Trade Secret	5%	0.00461%		
NE-945, tote	Baker Hughes	Non-emulsifier						
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Mixture of Surfactants	Trade Secret	50%	0.00222%		
			Propylene Glycol	57-55-6	30%	0.00133%		
Sand, White, 16/30	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	10.35422%		
SiberProp, 16/30	Baker Hughes	Proppant	Quartz (SiO2)	14808-60-7	100%	2.19534%		
ScaleSorb 3, (50# bag)	Baker Hughes	Scale Inhibitor	Amino Alkyl Phosphonic Acid	Trade Secret	30%	0.0047%		
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1%	0.00016%		
			Diatomaceous Earth, Calcined	91053-39-3	100%	0.01567%		
			Phosphonic Acid	13598-36-2	1%	0.00016%		
			Methanol	67-56-1	30%	0.02603%		
InFlo 250G, 330 gl tote	Baker Hughes	Surfactant	Mixture of Surfactants	Trade Secret	50%	0.04338%		
			Water	7732-18-5	30%	0.02603%		
			Alkoxylated Amine	Trade Secret	0%	0.0092232%		
Ingredients shown above are subject to 29 CFR 1910			Alkylene Oxide Block Polymer	Trade Secret	0%	0.0105145%		
			Antifoam	Trade Secret	0%	1.84E-05%		
			Formaldehyde	50-00-0	0%	0%		
			Hydrochloric Acid	7647-01-0	0%	0%		
			Methanol	67-56-1	0%	4.97E-05%		
			Modified Thiourea Polymer	68527-49-1	0%	0%		
			Organic Sulfonic Acid	27176-87-0	0%	0.0001845%		
			Polyglycol	25322-68-3	0%	0.0017524%		
			Polyquaternary Amine	Trade Secret	0%	0.0011068%		
			Water	7732-18-5	0%	0.1019794%		
			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: Fatima Vasquez Title: Regulatory Tech					
Date: 7/26/2012								
E-mail Address: fatima.vasquez@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.