

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. 30-015-41009							
		2. Well Name: WASHINGTON 34 STATE SWD #002							
		3. Well Number: 002							
HYDRAULIC FRACTURING FLUID DISCLOSURE <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment		4. Surface Hole Location: Unit:N Lot:N Section:34 Township:17S Range:28E Feet from:590 N/S Line:S Feet from:1705 E/W Line:W							
		5. Bottom Hole Location: Unit:N Lot:N Section:34 Township:17S Range:28E Feet from:590 N/S Line:S Feet from:1705 E/W Line:W							
		6. Latitude: Longitude: 32.7857312806869 - 104.166803891333							
		7. County: Eddy							
8. Operator Name and Address: APACHE CORP 303 Veterans Airpark Lane Suite 3000 Midland 79705		9. OGRID: 873	10. Phone Number: 432-818-1168						
11. Last Fracture Date: 6/25/2013 Frac Performed by: Baker Hughes		12. Production Type: S							
13. Pool Code(s): 96136		14. Gross Fractured Interval: 7,402 ft to 9,136 ft							
15. True Vertical Depth (TVD): 12,336 ft		16. Total Volume of Fluid Pumped: 45,129 gals							
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%	48.23819%			
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	7.62835%			
			Water	7732-18-5	85%	43.22734%			
Soda Ash	Baker Hughes	Buffer	Sodium Carbonate	497-19-8	100%	0.22435%			
CI-31	Baker Hughes	Corrosion Inhibitor	Aromatic Aldehyde	Trade Secret	30%	0.02936%			
			Benzyl Chloride	100-44-7	1%	0.00098%			
			Cyclic Alkanes	Trade Secret	5%	0.00489%			
			Formic Acid	64-18-6	60%	0.05872%			
			Isopropanol	67-63-0	10%	0.00979%			
			Methanol	67-56-1	5%	0.00489%			
			Organic Sulfur Compound	Trade Secret	5%	0.00489%			
			Oxyalkylated Fatty Acid	Trade Secret	30%	0.02936%			
			Quaternary Ammonium Compound	Trade Secret	30%	0.02936%			
			FRW-18	Baker Hughes	Friction Reducer	Petroleum Distillates	64742-47-8	30%	0.01462%
Ferrotrol 280L	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.19536%			
			Ammonium Hydroxide	1336-21-6	5%	0.00977%			
			Cupric Chloride	7447-39-4	5%	0.00977%			
NE-23, 55 gallon drum Ingredients shown above are subject to 29 CFR 1910	Baker Hughes	Non-emulsifier	Isopropanol	67-63-0	30%	0.02749%			
			2-Mercaptoethyl Alcohol	60-24-2	0%	0.0034254%			
			Alkylene Oxide Block Polymer	Trade Secret	0%	0.0039147%			
			Benzyl Chloride	100-44-7	0%	0.0009164%			
			Diethylene Glycol	111-46-6	0%	9.79E-05%			
			Ethoxylated Alcohol	Trade Secret	0%	0.0009744%			
			Ethoxylated Nonylphenol	9016-45-9	0%	0.0045821%			
			Glycol Ether	Trade Secret	0%	0.0045821%			
			Olefin Sulfonate	Trade Secret	0%	0.054985%			
			Poly (acrylamide-co-acrylic acid)	Trade Secret	0%	0.0146154%			
			Polyester	Trade Secret	0%	0.0137462%			
			Quaternary Amine Compounds	Trade Secret	0%	0.0274925%			
			Quaternary Ammonium Compound	Trade Secret	0%	0.0044041%			
			Salt	Trade Secret	0%	0.0024359%			
			Sorbitan Monooleate	Trade Secret	0%	0.0024359%			
			Water	7732-18-5	0%	0.1139087%			
			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: 10/18/2013									
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.