

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						
		1. WELL API NO: 30-015-39883						
		2. Well Name: WASHINGTON 33 STATE #033						
		3. Well Number: 033						
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:K Lot:K Section:33 Township:17S Range:28E Feet from:2310 N/S Line:S Feet from:1650 E/W Line:W						
		5. Bottom Hole Location: Unit:K Lot:K Section:33 Township:17S Range:28E Feet from:2310 N/S Line:S Feet from:1650 E/W Line:W						
		6. Latitude: 32.7901862174709 Longitude: - 104.183976965982						
		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: 3/29/2012 Frac Performed by: Baker Hughes		12. Production Type: O						
13. Pool Code(s): 96830		14. Gross Fractured Interval: 3,437 ft to 4,898 ft						
15. True Vertical Depth (TVD): 4,898 ft		16. Total Volume of Fluid Pumped: 260,232 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%	83.29373%		
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.50268%		
			Water	7732-18-5	85%	2.84852%		
Activator, 330 gal tote	Baker Hughes	Activator	Alcohols, C12-14-Secondary, Ethoxylated	84133-50-6	70%	0.03833%		
			Methanol	67-56-1	50%	0.02738%		
X-Cide 207	Baker Hughes	Biocide	2-Methyl-4-Isothiazolin-3-One	2682-20-4	5%	0.00016%		
			5-Chloro-2-Methyl-4-Isothiazolin-3-One	26172-55-4	10%	0.00032%		
			Crystalline Silica: Cristobalite	14464-46-1	1%	3E-05%		
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1%	3E-05%		
			Diatomaceous Earth, Calcined	91053-39-3	60%	0.00193%		
			Magnesium Chloride	7786-30-3	5%	0.00016%		
			Magnesium Nitrate	10377-60-3	10%	0.00032%		
			Alpha 125	Baker Hughes	Biocide	Glutaraldehyde	111-30-8	30%
GBW-5	Baker Hughes	Breaker	Ammonium Persulfate	7727-54-0	100%	0.00576%		
Enzyme G-I	Baker Hughes	Breaker	Hemicellulase	9025-56-3	3%	0.00125%		
			Enzyme Concentrate					
ClayCare	Baker Hughes	Clay Control	Water	7732-18-5	97%	0.04036%		
			Choline Chloride	67-48-1	75%	0.03379%		
			Water	7732-18-5	30%	0.01351%		
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.03379%		
			Water	7732-18-5	30%	0.01351%		
CI-14	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret	10%	0.00042%		
			Olefin	Trade Secret	5%	0.00021%		
			Polyoxyalkylenes	Trade Secret	30%	0.00125%		
			Propargyl Alcohol	107-19-7	5%	0.00021%		
XLW-10A	Baker Hughes	Crosslinker	Ethylene Glycol	107-21-1	30%	0.02818%		
			Sodium Hydroxide	1310-73-2	10%	0.00939%		
			Sodium Tetraborate	1330-43-4	30%	0.02818%		
			Gelatin	9000-70-8	100%	0.00184%		
BioSealers	Baker Hughes	Degradable Sealers	Guar Gum	111-30-8	1%	2E-05%		
			Paraffinic Petroleum Distillate	64742-55-8	60%	0.27377%		
			Petroleum Distillate	64742-47-8	60%	0.27377%		
Ferrotrol 280L	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.00811%		
			Ammonium Hydroxide	1336-21-6	5%	0.00041%		
			Cupric Chloride	7447-39-4	5%	0.00041%		
NE-945, tote	Baker Hughes	Non-emulsifier	Oxyalkylated alcohol	Trade Secret	5%	0.00437%		
Sand, White, 16/30	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	9.44278%		
SiberProp, 16/30	Baker Hughes	Proppant	Quartz (SiO2)	14808-60-7	100%	2.5083%		
ScaleSorb 3, (50# bag)	Baker Hughes	Scale Inhibitor	Amino Alkyl Phosphonic Acid	Trade Secret	30%	0.00576%		
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1%	0.00019%		
			Diatomaceous Earth, Calcined	91053-39-3	100%	0.01919%		
			Phosphonic Acid	13598-36-2	1%	0.00019%		
Flo-Back 40	Baker Hughes	Surfactant	Amphoteric Surfactant	Trade Secret	40%	0.03792%		
Ingredients shown above are subject to 29 CFR 1910			Alkoxylated Amine	Trade Secret	0%	0.0087496%		
			Alkylene Oxide Block Polymer	Trade Secret	0%	0.0099745%		
			Antifoam	Trade Secret	0%	1.75E-05%		
			Formaldehyde	50-00-0	0%	4.17E-05%		
			Hydrochloric Acid	7647-01-0	0%	4.17E-05%		
			Methanol	67-56-1	0%	0.004228%		
			Methyl salicylate	119-36-8	0%	0%		
			Modified Thiorea Polymer	68527-49-1	0%	0.0002922%		
			Organic Sulfonic Acid	27176-87-0	0%	0.000175%		
			Polyglycol	25322-68-3	0%	0.0016624%		
			Polyquaternary Amine	Trade Secret	0%	0.0010499%		
			Sodium Chloride	7647-14-5	0%	0.0284365%		
			Water	7732-18-5	0%	0.1647656%		
			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: Reesa R. Holland		Title: Sr Staff Reg Tech			
Date: 11/18/2013								
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.