

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							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		1. WELL API NO. 30-015-39027							
		2. Well Name: PALMILLO 14 STATE #001H							
		3. Well Number: 001H							
		4. Surface Hole Location: Unit:L Lot:L Section: 14 Township: 19S Range: 28E Feet from: 2080 N/S Line: S Feet from: 330 E/W Line: W							
5. Bottom Hole Location: Unit:L Lot:L Section: 14 Township: 19S Range: 28E Feet from: 2080 N/S Line: S Feet from: 330 E/W Line: W		6. latitude: 32.6592645845941 longitude: -104.154706657388							
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: 9/26/2014 Frac Performed by: Baker Hughes		12. Production Type: O							
13. Pool Code(s): 96413		14. Gross Fractured Interval: 7,677 ft to 11,730 ft							
15. True Vertical Depth (TVD): 7,604 ft		16. Total Volume of Fluid Pumped: 2,933,784 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%	85.87464%			
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.67604%			
Alpha 125	Baker Hughes	Biocide	Glutaraldehyde	111-30-8	30%	0.00955%			
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.06828%			
CI-27	Baker Hughes	Corrosion Inhibitor	Water	7732-18-5	30%	0.02731%			
			Fatty Acids	Trade Secret	30%	0.00219%			
			Methanol	67-56-1	60%	0.00438%			
			Olefin	Trade Secret	5%	0.00036%			
			Polyoxyalkylenes	Trade Secret	30%	0.00219%			
			Propargyl Alcohol	107-19-7	10%	0.00073%			
			Thiourea Polymer	68527-49-1	30%	0.00219%			
FRW-18	Baker Hughes	Friction Reducer	Hydrotreated Light Distillate	64742-47-8	30%	0.03948%			
Ferrotool 280L	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.01805%			
			Ammonium Hydroxide	1336-21-6	5%	0.0009%			
			Cupric Chloride	7447-39-4	5%	0.0009%			
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Propylene Glycol	57-56-6	15%	0.00251%			
Sand, White, 20/40	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	6.66606%			
Sand, White, 40/70	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	0.73962%			
Preferred Garnet RC 20/40	Baker Hughes	Proppant	Crystalline Silica, Quartz (SiO2)	14808-60-7	98%	1.68883%			
			Iron Oxide (colorant)	1309-37-1	1%	0.01723%			
			Polyurethane Resin (Castor Oil)	8001-79-4	5%	0.08616%			
S-200	Baker Hughes	Surfactant	Ethanol	64-17-5	10%	0.00865%			
Ingredients shown above are subject to 29 CFR 1910			Alcohols, C10-16, ethoxylated propoxylated	Trade Secret	0%	0.0043268%			
			Alcohols, C12-16, ethoxylated	Trade Secret	0%	0.0026323%			
			Alcohols, C6-12, ethoxylated propoxylated	Trade Secret	0%	0.0043268%			
			Alcohols, ethoxylated	Trade Secret	0%	0.0034615%			
			Amines, unsatd. alkyl, ethoxylated	Trade Secret	0%	0.0017307%			
			Ammonium Chloride	12125-02-9	0%	0.0039485%			
			Benzenesulfonic acid, hexadecyl (sulfophenoxy)-, disodium salt	Trade Secret	0%	0.000335%			
			Formaldehyde	50-00-0	0%	3.6E-06%			
			Methanol	67-56-1	0%	7.96E-05%			
			Nonionic glycol ester	Trade Secret	0%	0.0041875%			
			Oleamide DEA	93-83-4	0%	0.0026323%			
			Poly (acrylamide-co-acrylic acid) partial sodium salt	Trade Secret	0%	0.0394845%			
			Polyoxyethylene Sorbitan Monooleate	9005-65-6	0%	0.0006581%			
			Sodium Chloride	7647-14-5	0%	3.65E-05%			
				Trade Secret	0%	0.0065808%			
			Sodium lauriminodipropionate	Trade Secret	0%	0.0001675%			
			Sodium octylimodipropionate	Trade Secret	0%	0.0005025%			
			Sorbitan Monooleate	Trade Secret	0%	0.0006581%			
			Water	7732-18-5	0%	3.9096759%			
			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: Sandra J Belt		Title: Sr. Regulatory Tech		
			Date: 12/3/2014						
			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.