

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: 30-025-40799					
		2. Well Name: WERTA FEDERAL #003					
		3. Well Number: 003					
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:P Lot:P Section:35 Township:19S Range:38E Feet from:335 N/S Line:S Feet from:990 E/W Line:E					
		5. Bottom Hole Location: Unit:P Lot:P Section:35 Township:19S Range:38E Feet from:335 N/S Line:S Feet from:990 E/W Line:E					
		6. latitude: longitude: 32.6103257022536 - 103.113903429292					
		7. County: Lea					
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: 3/7/2013 Frac Performed by: Baker Hughes		12. Production Type: O					
13. Pool Code(s): 33230, 33250, 33470		14. Gross Fractured Interval: 6,108 ft to 7,057 ft					
15. True Vertical Depth (TVD): 7,057 ft		16. Total Volume of Fluid Pumped: 9,072 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%	85.33671%	
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.47444%	
Alpha 125	Baker Hughes	Biocide	Water	7732-18-5	85%	2.6885%	
			Glutaraldehyde	111-30-8	30%	0.00568%	
GBW-5	Baker Hughes	Breaker	Ammonium Phosphate	7727-54-0	100%	0.00161%	
GBW-15L	Baker Hughes	Breaker	Enzyme solution	Trade Secret	100%	0.02536%	
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.07514%	
			Water	7732-18-5	30%	0.03005%	
CI-14	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret	10%	0.00066%	
			Olefin	Trade Secret	5%	0.00033%	
			Polyoxyalkylenes	Trade Secret	30%	0.00199%	
			Propargyl Alcohol	107-19-7	5%	0.00033%	
XLW-10A	Baker Hughes	Crosslinker	Ethylene Glycol	107-21-1	30%	0.02631%	
			Sodium Hydroxide	1310-73-2	10%	0.00877%	
			Sodium Tetraborate	1330-43-4	30%	0.02631%	
BioSealers MR	Baker Hughes	Degradable Sealers	Non-Hazardous Ingredient	Trade Secret	100%	0.0086%	
MaxPerm-20A, 265 gallon tote	Baker Hughes	Friction Reducer	Aliphatic Hydrocarbon	Trade Secret	30%	0.01338%	
			Oxyalkylated Alcohol	Trade Secret	5%	0.00223%	
GW-4LDF	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	60%	0.18555%	
			Paraffinic Petroleum Distillate	64742-55-8	60%	0.18555%	
			Petroleum Distillate	64742-47-8	60%	0.18555%	
Ferrotrol 280L	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.00888%	
			Ammonium Hydroxide	1336-21-6	5%	0.00044%	
			Cupric Chloride	7447-39-4	5%	0.00044%	
NE-23, 55 gallon drum	Baker Hughes	Non-emulsifier	Isopropanol	67-63-0	30%	0.0011%	
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Mixture of Surfactants	Trade Secret	50%	0.05029%	
			Propylene Glycol	57-55-6	30%	0.03018%	
Sand, White, 20/40	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	4.36931%	
Sand, White, 100 mesh	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	0.70431%	
Preferred Garnet RC 20/40	Baker Hughes	Proppant	Castor Oil	8001-79-4	5%	0.25497%	
			Crystalline Silica (Quartz)	14808-60-7	100%	5.09941%	
InFlo 250G, 330 gl tote	Baker Hughes	Surfactant	Methanol	67-56-1	30%	0.02466%	
			Mixture of Surfactants	Trade Secret	50%	0.0411%	
			Water	7732-18-5	30%	0.02466%	
Ingredients shown above are subject to 29 CFR 1910			Anionic Terpolymer	Trade Secret	0%	0.02677%	
			Benzyl Chloride	100-44-7	0%	3.66E-05%	
			EDTA	64-02-8	0%	2.23E-05%	
			Ethoxylated Nonylphenol	9016-45-9	0%	0.0001829%	
			Formaldehyde	50-00-0	0%	6.62E-05%	
			Glycol Ether	Trade Secret	0%	0.0001829%	
			Hydrochloric Acid	7647-01-0	0%	6.62E-05%	
			Inorganic Salt	7647-14-5	0%	0.0022308%	
			Methanol	67-56-1	0%	0.0066687%	
			Modified Thiorea Polymer	68527-49-1	0%	0.0004635%	
			Olefin Sulfonate	Trade Secret	0%	0.0021945%	
			Oxyalkylated Fatty Acid Derivative	Trade Secret	0%	0.0022308%	
			Polyester	Trade Secret	0%	0.0005486%	
			Polyol Ester	Trade Secret	0%	0.0022308%	
			Quaternary Amine Compounds	Trade Secret	0%	0.0010972%	
			Water	7732-18-5	0%	0.0621944%	
	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: 6/7/2013						
	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.