

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. 30-025-40541							
		2. Well Name: STATE PA #008							
		3. Well Number: 008							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:N Lot:N Section:18 Township:22S Range:37E Feet from:330 N/S Line:S Feet from:1600 E/W Line:W							
		5. Bottom Hole Location: Unit:N Lot:N Section:18 Township:22S Range:37E Feet from:330 N/S Line:S Feet from:1600 E/W Line:W							
		6. Latitude: 32.385496374498 Longitude: -103.205132292882							
		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: 7/30/2013 Frac Performed by: Baker Hughes		12. Production Type: O							
13. Pool Code(s): 6660, 19190, 60240, 62700		14. Gross Fractured Interval: 5,508 ft to 6,782 ft							
15. True Vertical Depth (TVD): 6,782 ft		16. Total Volume of Fluid Pumped: 180,810 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 Baker Hughes	Carrier	Water	7732-18-5	100%	79.03945%			
HCl, 10.1 - 15%			Hydrochloric Acid	7647-01-0	15%	1.06971%			
			Water	7732-18-5	85%	6.06171%			
Activator, 330 gal tote	Baker Hughes	Activator	Alcohols, C12-14-Secondary, Ethoxylated	84133-50-6	70%	0.21894%			
			Methanol	67-56-1	50%	0.15639%			
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%	0.00031%			
			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%	0.00189%			
			Magnesium Chloride	7786-30-3	5%	0.00016%			
			Magnesium Nitrate	10377-60-3	10%	0.00031%			
			GBW-5	Baker Hughes	Breaker	Ammonium Phosphate	7727-54-0	100%	0.00184%
EnZyme G HpH-II	Baker Hughes	Breaker	Non-hazardous Ingredients	N.A.	100%	0.06559%			
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.03613%			
			Water	7732-18-5	30%	0.01445%			
CI-14	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret	10%	0.00061%			
			Methanol	67-56-1	100%	0.00608%			
			Olefin	Trade Secret	5%	0.0003%			
			Polyoxyalkylenes	Trade Secret	30%	0.00182%			
			Propargyl Alcohol	107-19-7	5%	0.0003%			
XLW-24	Baker Hughes	Crosslinker	Glyoxal	107-22-2	10%	0.01123%			
Sodium Tetraborate			1303-96-4	30%	0.03369%				
FRW-18	Baker Hughes	Friction Reducer	Petroleum Distillates	64742-47-8	30%	0.00111%			
GW-4LDF	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	60%	0.40792%			
			Petroleum Distillate Blend	8042-47-5	70%	0.95181%			
			Petroleum Distillate Blend	64742-55-8	70%	0.4759%			
Ferrotrol 280L , 330 gl tote	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.01973%			
			Ammonium Hydroxide	1336-21-6	5%	0.00099%			
			Cupric Chloride	7447-39-4	5%	0.00099%			
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Mixture of Surfactants	Trade Secret	50%	0.04307%			
SB Excel 20/40	Baker Hughes	Proppant	Propylene Glycol	57-55-6	30%	0.02584%			
			Quartz (SiO2)	14808-60-7	100%	11.27953%			
Ingredients shown above are subject to 29 CFR 1910			Ampicillin	69-53-4	0%	0.0006559%			
			Enzyme	37288-54-3	0%	0.0006559%			
			Ethoxylated Alcohol	Trade Secret	0%	7.41E-05%			
			Formaldehyde	50-00-0	0%	6.08E-05%			
			Glycerol	56-81-5	0%	0.0013118%			
			Hydrochloric Acid	7647-01-0	0%	6.08E-05%			
			Lactose	9004-34-6	0%	0.0006559%			
			Modified Thiorea Polymer	68527-49-1	0%	0.0004257%			
			Poly (acrylamide -co-acrylic acid)	Trade Secret	0%	0.001112%			
			Salt	Trade Secret	0%	0.0001853%			
			Sodium Chloride	7647-14-5	0%	0.0013118%			
			Sorbitan Monooleate	Trade Secret	0%	0.0001853%			
			Tryptone	73049-73-7	0%	0.0019677%			
			Water	7732-18-5	0%	0.062%			
			Yeast Extract	8013-01-2	0%	0.0013118%			
			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: Reesa R. Holland		Title: Sr. Engineering Tech		
Date: 8/20/2013									
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.									