

HYDRAULIC FRACTURING FLUID DISCLOSURE				4. Surface Hole Location: Unit:C Lot:11 Section:3 Township:21S Range:37E Feet from:3785 N/S Line:N Feet from:1980 E/W Line:W			
☒ Original				5. Bottom Hole Location: Unit:C Lot:11 Section:3 Township:21S Range:37E Feet from:3785 N/S Line:N Feet from:1980 E/W Line:W			
☐ Amendment				6. latitude: longitude: 32.5118122586428 - 103.153021734008			
				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: 10/3/2012 Frac Performed by: Baker Hughes				12. Production Type: O			
13. Pool Code(s): 22900				14. Gross Fractured Interval: 5,746 ft to 6,723 ft			
15. True Vertical Depth (TVD): 6,723 ft				16. Total Volume of Fluid Pumped: 2,451 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%	69.70105%	
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.93973%	
			Water	7732-18-5	85%	5.32512%	
Superset-W, 330 gl tote	Baker Hughes	Activator	Methanol	67-56-1	50%	0.15744%	
			Poly (Oxyethylene) Nonylphenol Ether	9016-45-9	50%	0.15744%	
X-Cide 207	Baker Hughes	Biocide	2-Methyl-4-Isothiazolin-3-One	2682-20-4	5%	0.00023%	
			5-Chloro-2-Methyl-4-Isothiazolin-3-One	26172-55-4	10%	0.00045%	
			Crystalline Silica: Cristobalite	14464-46-1	1%	5E-05%	
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1%	5E-05%	
			Diatomaceous Earth, Calcined	91053-39-3	60%	0.00273%	
			Magnesium Chloride	7786-30-3	5%	0.00023%	
			Magnesium Nitrate	10377-60-3	10%	0.00045%	
Alpha 125	Baker Hughes	Biocide	Glutaraldehyde	111-30-8	30%	0.00729%	
GBW-15L	Baker Hughes	Breaker	Enzyme solution	Trade Secret	100%	0.07516%	
BF-7L, Tote	Baker Hughes	Buffer	Potassium Carbonate	584-08-7	60%	0.08257%	
			Potassium Hydroxide	1310-58-3	1%	0.00138%	
			Water	7732-18-5	60%	0.08257%	
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.05651%	
			Water	7732-18-5	30%	0.0226%	
CI-14	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret	10%	0.00094%	
			Olefin	Trade Secret	5%	0.00047%	
			Polyoxyalkylenes	Trade Secret	30%	0.00283%	
			Propargyl Alcohol	107-19-7	5%	0.00047%	
XLW-24	Baker Hughes	Crosslinker	Glyoxal	107-22-2	10%	0.01029%	
			Sodium Tetraborate	1303-96-4	30%	0.03088%	
FRW-20	Baker Hughes	Friction Reducer	Petroleum Distillates	64742-47-8	30%	0.00172%	
GW-4LDF	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	60%	0.35671%	
			Paraffinic Petroleum Distillate	64742-55-8	60%	0.35671%	
			Petroleum Distillate	64742-47-8	60%	0.35671%	
Ferrotrol 280L	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.01715%	
			Ammonium Hydroxide	1336-21-6	5%	0.00086%	
			Cupric Chloride	7447-39-4	5%	0.00086%	
NE-23	Baker Hughes	Non-emulsifier	Isopropanol	67-63-0	30%	0.00166%	
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Mixture of Surfactants	Trade Secret	50%	0.03793%	
			Propylene Glycol	57-55-6	30%	0.02276%	
Super LC, 20/40	Baker Hughes	Proppant	Hexamethylenetetramine	1009-7-0	0.01%	0.00216%	
			P/F Resin	9003-35-4	5%	1.08144%	
			Silicon Dioxide (Silica Sand)	14808-60-7	97%	20.9799%	
Scaletrol 720	Baker Hughes	Scale Inhibitor	Calcium Chloride	10043-52-4	5%	0.00419%	
			Ethylene Glycol	107-21-1	30%	0.02514%	
Ingredients shown above are subject to 29 CFR 1910			Aliphatic Hydrocarbon	Trade Secret	0%	0.0013378%	
			Formaldehyde	50-00-0	0%	9.42E-05%	
			Hydrochloric Acid	7647-01-0	0%	9.42E-05%	
			Methanol	67-56-1	0%	0.0094808%	
			Modified Thiorea Polymer	68527-49-1	0%	0.0006594%	
			Oxyalkylated Alcohol	Trade Secret	0%	0.0001148%	
			Polyacrylate	Trade Secret	0%	0.0167593%	
			Polyglycol Ester	Trade Secret	0%	5.17E-05%	
			Polyol Ester	Trade Secret	0%	6.32E-05%	
			Potassium Chloride	7447-40-7	0%	4.19E-05%	
			Sodium Chloride	7647-14-5	0%	0.0002548%	
			Vinyl Copolymer	Trade Secret	0%	0.0016077%	
			Water	7732-18-5	0%	0.0646297%	
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:		11/13/2012					
E-mail Address:							