

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 <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment		1. WELL API NO: 30-025-40615 2. Well Name: JR PHILLIPS #012 3. Well Number: 012 4. Surface Hole Location: Unit: B Lot: 2 Section: 1 Township: 20S Range: 36E Feet from: 570 N/S Line: N Feet from: 2240 E/W Line: E 5. Bottom Hole Location: Unit: B Lot: 2 Section: 1 Township: 20S Range: 36E Feet from: 570 N/S Line: N Feet from: 2240 E/W Line: E 6. Latitude: 32.6079822293563 Longitude: -103.3065587671 7. County: Lea				
8. Operator Name and Address: APACHE CORP 303 Veterans Airpark Lane Suite 3000 Midland 79705	9. OGRID: 873	10. Phone Number: 432-818-1168				
11. Last Fracture Date: 10/17/2012 Frac Performed by: Baker Hughes	12. Production Type: O					
13. Pool Code(s): 46970, 46990, 47080	14. Gross Fractured Interval: 5,113 ft to 6,254 ft					
15. True Vertical Depth (TVD): 6,254 ft	16. Total Volume of Fluid Pumped: 72,796 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%	86.63816%
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.62106%
			Water	7732-18-5	85%	3.51935%
Alpha 114, 260 gl tote	Baker Hughes	Biocide	Gluteraldehyde	111-30-8	15%	0.00403%
			N-Alkyl Dimethyl Benzyl Ammonium Chloride	139-08-2	5%	0.00134%
GBW-5	Baker Hughes	Breaker	Ammonium Phosphate	7727-54-0	100%	0.00714%
GBW-15L	Baker Hughes	Breaker	Enzyme solution	Trade Secret	100%	0.13212%
BF-9L, 300 gal tote	Baker Hughes	Buffer	Potassium Carbonate	584-08-7	60%	0.04409%
			Potassium Hydroxide	1310-58-3	30%	0.02205%
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.07597%
			Water	7732-18-5	30%	0.03039%
CI-31	Baker Hughes	Corrosion Inhibitor	Aromatic Aldehyde	Trade Secret	30%	0.00117%
			Benzyl Chloride	100-44-7	1%	4E-05%
			Cyclic Alkanes	Trade Secret	5%	0.00019%
			Formic Acid	64-18-6	60%	0.00234%
			Isopropanol	67-63-0	10%	0.00039%
			Methanol	67-56-1	5%	0.00019%
			Organic Sulfur Compound	Trade Secret	5%	0.00019%
			Oxyalkylated Fatty Acid	Trade Secret	30%	0.00117%
			Quaternary Ammonium Compound	Trade Secret	30%	0.00117%
XLW-4	Baker Hughes	Crosslinker	Sodium Borate Decahydrate	1303-96-4	30%	0.00565%
XLW-30AG, tote	Baker Hughes	Crosslinker	Petroleum Distillates	64742-47-8	60%	0.04499%
FRW-20	Baker Hughes	Friction Reducer	Petroleum Distillates	64742-47-8	30%	0.00416%
GW-4LDF	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	60%	0.42462%
			Paraffinic Petroleum Distillate	64742-55-8	60%	0.42462%
			Petroleum Distillate	64742-47-8	60%	0.42462%
Ferrotrol 280L	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.02359%
			Ammonium Hydroxide	1336-21-6	5%	0.00118%
NE-23	Baker Hughes	Non-emulsifier	Cupric Chloride	7447-39-4	5%	0.00118%
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Isopropanol	67-63-0	30%	0.00109%
			Mixture of Surfactants	Trade Secret	50%	0.05358%
			Propylene Glycol	57-55-6	30%	0.03215%
Preferred Garnet RC 20/40	Baker Hughes	Proppant	Castor Oil	8001-79-4	5%	0.34348%
			Crystalline Silica (Quartz)	14808-60-7	100%	6.86966%
ScaleSorb 3, (50# bag)	Baker Hughes	Scale Inhibitor	Amino Alkyl Phosphonic Acid	Trade Secret	30%	0.00857%
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1%	0.00029%
			Diatomaceous Earth, Calcined	91053-39-3	100%	0.02855%
			Phosphonic Acid	13598-36-2	1%	0.00029%
InFlo 250G, 330 gl tote	Baker Hughes	Surfactant	Methanol	67-56-1	30%	0.03142%
			Mixture of Surfactants	Trade Secret	50%	0.05237%
			Water	7732-18-5	30%	0.03142%
Ingredients shown above are subject to 29 CFR 1910			2-Mercaptoethyl Alcohol	60-24-2	0%	0.0001362%
			Aliphatic Hydrocarbon	Trade Secret	0%	0.0032338%
			Alkylene Oxide Block Polymer	Trade Secret	0%	0.0001557%
			Boric Oxide	1303-86-2	0%	0.0239967%
			Diethylene Glycol	111-46-6	0%	3.9E-06%
			Ethyl Alcohol	64-17-5	0%	0%
			Glycerin	56-81-5	0%	0%
			Methanol	67-56-1	0%	0%
			Organophilic Clay	Trade Secret	0%	0.0037495%
			Oxyalkylated Alcohol	Trade Secret	0%	0.0002776%
			Polyglycol Ester	Trade Secret	0%	0.0001249%
			Polymeric Suspending Agent	Trade Secret	0%	0.0037495%
			Polyol Ester	Trade Secret	0%	0.0001527%
			Quaternary Ammonium Compound	Trade Secret	0%	0.0001752%
			Sodium Chloride	7647-14-5	0%	0.0005552%
			Surfactant	Trade Secret	0%	0.0007499%
			Vinyl Copolymer	Trade Secret	0%	0.0038861%
			Water	7732-18-5	0%	0.0490047%
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: <u>Signed Electronically</u> Printed Name: <u>Reesa R. Holland</u> Title: <u>Sr Staff Reg Tech</u>			
Date: <u>11/18/2013</u>			E-mail Address: <u>reesa.holland@apachecorp.com</u>			
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