

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				
		1. WELL API NO: 30-039-26177				
		2. Well Name: STATE PAT #001A				
		3. Well Number: 001A				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:C Lot:C Section:32 Township:30N Range:07W Feet from:1065 N/S Line:N Feet from:1940 E/W Line:W				
		5. Bottom Hole Location: Unit:C Lot:C Section:32 Township:30N Range:07W Feet from:1065 N/S Line:N Feet from:1940 E/W Line:W				
		6. Latitude: Longitude: 36.7734891079769 - 107.596681798358				
		7. County: Rio Arriba				
8. Operator Name and Address: MERRION OIL & GAS CORP 610 Reilly Ave Farmington 87401		9. OGRID: 14634	10. Phone Number: 505-324-5336			
11. Last Fracture Date: 4/10/2014 Frac Performed by: Baker Hughes		12. Production Type: G				
13. Pool Code(s): 72359		14. Gross Fractured Interval: 3,088 ft to 3,124 ft				
15. True Vertical Depth (TVD): 3,124 ft		16. Total Volume of Fluid Pumped: 16,115 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%	54.44045%
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.29377%
			Water	7732-18-5	85%	1.66472%
Alpha 1427	Baker Hughes	Biocide	Didecyl Dimethyl Ammonium Chloride	7173-51-5	10%	0.00567%
			Ethanol	64-17-5	5%	0.00284%
			Glutaraldehyde	111-30-8	30%	0.01702%
			Quaternary Ammonium Compound	68424-85-1	5%	0.00284%
GBW-5	Baker Hughes	Breaker	Ammonium persulphate	7727-54-0	100%	0.00608%
Enzyme G-III	Baker Hughes	Breaker	Contains non-hazardous ingredients which are listed in the non-MSDS section of the report	NA	0%	0%
High Perm CRB	Baker Hughes	Breaker	Ammonium Persulphate	7727-54-0	100%	0.00486%
BF-7L	Baker Hughes	Buffer	Potassium Carbonate	584-08-7	60%	0.02382%
ClayCare, ClayTreat-2C, 330 gl tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.05805%
CI-27	Baker Hughes	Corrosion Inhibitor	Water	7732-18-5	30%	0.02322%
			Fatty Acids	Trade Secret	30%	0.0018%
			Methanol	67-56-1	60%	0.00361%
			Olefin	Trade Secret	5%	0.0003%
			Polyoxyalkylenes	Trade Secret	30%	0.0018%
			Propargyl Alcohol	107-19-7	10%	0.0006%
			Thiourea Polymer	68527-49-1	30%	0.0018%
FAW-22, 260 gal. tote	Baker Hughes	Foamer	Alkyl Sulfate (1 of 2)	Trade Secret	5%	0.01582%
			Alkyl Sulfate (2 of 2)	Trade Secret	5%	0.01582%
			Ammonium Alkyl Ether Sulfate	Trade Secret	10%	0.03164%
			Isopropanol	67-63-0	30%	0.09491%
			Sodium Sulfonate	68439-57-6	30%	0.09491%
GW-3LDF	Baker Hughes	Gelling Agent	1-butoxy-2-propanol	5131-66-8	5%	0.01706%
			Crystalline Silica: Quartz	14808-60-7	5%	0.01706%
			Guar Gum	9000-30-0	60%	0.20473%
			Isotridecanol, ethoxylated	9043-30-5	5%	0.01706%
			Paraffinic Petroleum Distillate	64742-55-8	30%	0.10237%
			Petroleum Distillates	64742-47-8	30%	0.10237%
Ferrotrol 300L	Baker Hughes	Iron Control	Citric Acid	77-92-9	60%	0.00766%
Nitrogen	Baker Hughes	Nitrogen	Liquid Nitrogen	7727-37-9	100%	13.8936%
NE-900, tote	Baker Hughes	Non-emulsifier	Methanol	67-56-1	30%	0.02171%
			Nonyl phenyl polyethylene glycol ether	9016-45-9	10%	0.00724%
Sand, Brown, 20/40	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	28.40259%
GasFlo G, 330 gal tote	Baker Hughes	Surfactant	Methanol	67-56-1	30%	0.01516%
			Oxyalkylated Alkylphenol (1)	Trade Secret	10%	0.00505%
			Oxyalkylated Alkylphenol (2)	Trade Secret	10%	0.00505%
			Oxyalkylated Amine	Trade Secret	3%	0.00152%
			Polyoxyalkylene	Trade Secret	10%	0.00505%
Ingredients shown above are subject to 29 CFR 1910			2-butoxy-1-propanol	15821-83-7	0%	0.0003412%
			Alkyl Sulfate	Trade Secret	0%	0.0031635%
			Copolymer	Trade Secret	0%	0.0289444%
			Cured Resin	Trade Secret	0%	0.0011669%
			Ethoxylated Alcohol	Trade Secret	0%	0.0031635%
			Ethylene Glycol	107-21-1	0%	0.0031635%
			Fatty Amide Derivative	70851-08-0	0%	0.0031635%
			Formaldehyde	50-00-0	0%	0.0031665%
			Hemicellulase Enzyme Concentrate	9025-56-3	0%	3.38E-05%
			Potassium Hydroxide	1310-58-3	0%	0.0003971%
			Sodium Chloride	7647-14-5	0%	0.0031936%
			Sodium Sulfate	7757-82-6	0%	0.0031635%