

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 ☒ Original ☐ Amendment		1. WELL API NO: 30-015-41787							
		2. Well Name: PATRIOT AIZ #014H							
		3. Well Number: 014H							
		4. Surface Hole Location: Unit:M Lot:M Section:21 Township:19S Range:25E Feet from:551 N/S Line:S Feet from:65 E/W Line:W							
		5. Bottom Hole Location: Unit:M Lot:M Section:20 Township:19S Range:25E Feet from:388 N/S Line:S Feet from:161 E/W Line:W							
		6. latitude: longitude: 32.6406065550035 -104.498110198889							
		7. County: Eddy							
8. Operator Name and Address: YATES PETROLEUM CORPORATION 105 S 4TH ST ARTESIA 88210		9. OGRID: 25575	10. Phone Number:						
11. Last Fracture Date: 7/14/2014 Frac Performed by: Schlumberger		12. Production Type: O							
13. Pool Code(s): 97565		14. Gross Fractured Interval: 2,760 ft to 7,228 ft							
15. True Vertical Depth (TVD): 2,453 ft		16. Total Volume of Fluid Pumped: 4,455,881 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	Schlumberger	Acid Corrosion Inhibitor A286, Demulsifier, Surfactant , Acid, Breaker, Friction Reducer, Iron Contr	Water (Including Mix Water Supplied by Client)*		0%	85.73284%			
			Crystalline silica	14808-60-7	97.26583%	13.87707%			
			Hydrochloric acid	7647-01-0	2.02661%	0.28914%			
			Acrylamide, 2-acrylamido-2-methylpropanesulfonic acid, sodium salt polymer	38193-60-1	0.10981%	0.01567%			
			Propan-2-ol	67-63-0	0.10267%	0.01465%			
			Distillates (petroleum), hydrotreated light	64742-47-8	0.099%	0.01412%			
			Tetrasodium ethylenediaminetetraacetate	64-02-8	0.08634%	0.01232%			
			Diammonium peroxidisulphate	7727-54-0	0.07635%	0.01089%			
			Sodium chloride	7647-14-5	0.04818%	0.00687%			
			Polyethylene glycol monoethyl ether	31726-34-8	0.03625%	0.00517%			
			1, 2, 3 - Propanetriol	56-81-5	0.02884%	0.00411%			
			Polyethylenimin, polymer with ethylene oxide and propylene oxide	52501-07-2	0.01449%	0.00207%			
			Alcohol, C11-14, ethoxylated	78330-21-9	0.01315%	0.00188%			
			Crosslinked PO/EO-block polymer	68123-18-2	0.01158%	0.00165%			
			Sodium erythorbate	6381-77-7	0.01091%	0.00156%			
			Alcohols, C9-11-iso-, C10-rich	68526-85-2	0.01029%	0.00147%			
			Sorbitan, (Z)-9-octadecenoate (2:3)	8007-43-0	0.00782%	0.00112%			
			Sodium Glycolate (impurity)	2836-32-0	0.00699%	0.001%			
			Fatty acid, tail-oil reaction products with acetophenone	68188-40-9	0.00611%	0.00087%			
			Methyl oxirane polymer with oxirane	9003-11-6	0.00573%	0.00082%			
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.0051%	0.00073%			
			Sorbitan monooleate, ethoxylated	9005-65-6	0.00453%	0.00065%			
			Isodecanol w/6-7 Moles Ethylene Oxide	26183-52-8	0.00343%	0.00049%			
			Alkyl (c10-c14) alcohols, ethoxylated	66455-15-0	0.0029%	0.00041%			
			Sodium hydroxide	1310-73-2	0.00233%	0.00033%			
			Disodium Ethylene Diamine Tetra Acetate (impurity)	139-33-3	0.00233%	0.00033%			
			Trisodium Ethylenediaminetetraacetate (impurity)	150-38-9	0.00233%	0.00033%			
			Cinnamaldehyde	104-55-2	0.00224%	0.00032%			
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00151%	0.00022%			
			Tetrakis(hydroxymethyl) phosphonium sulfate	55566-30-8	0.00138%	0.0002%			
			Sodium carbonate	497-19-8	0.00121%	0.00017%			
			Trisodium nitrilotriacetate (impurity)	5064-31-3	0.00117%	0.00017%			
			Amines, tallow alkyl, ethoxylated	61791-26-2	0.00065%	0%			
			Dodecyl poly(oxyethylene) ether	9002-92-0	0.00028%	0%			
			Glycols, polyethylene, monotetradecyl ether	27306-79-2	0.0002%	0%			
			Ethanol	64-17-5	0.00017%	0%			
			Potassium oleate	143-18-0	0%	0%			
			Oleic acid	112-80-1	0%	0%			
			Acetic acid, potassium salt	127-08-2	0%	0%			
			Acetic acid	64-19-7	0%	0%			
			1,4-Dioxane	123-91-1	0%	0%			
			Oxirane	75-21-8	0%	0%			
			Propylene oxide	75-56-9	0%	0%			
			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: Signed Electronically		Printed Name: Tina Huerta		Regulatory Reporting Title: Supervisor		
			Date: 10/5/2014						
			E-mail Address: tinah@ypcnm.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.