

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: 30-015-42239							
		2. Well Name: WOLF AJA FEDERAL COM #021H							
		3. Well Number: 021H							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:L Lot:L Section:36 Township:21S Range:31E Feet from:1480 N/S Line:S Feet from:650 E/W Line:W							
		5. Bottom Hole Location: Unit:D Lot:L Section:36 Township:21S Range:31E Feet from:219 N/S Line:N Feet from:398 E/W Line:W							
		6. latitude: longitude: 32.4318823171809 -103.737914870477							
		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: 10/13/2014 Frac Performed by: Schlumberger		12. Production Type: O							
13. Pool Code(s): 40299		14. Gross Fractured Interval: 8,573 ft to 16,632 ft							
15. True Vertical Depth (TVD): 8,158 ft		16. Total Volume of Fluid Pumped: 4,913,529 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, Bactericide (Myacide GA25), Surfactant , Acid, Breaker, Gelling Agent	Water (Including Mix Water Supplied by Client)*		0%	85.25105%			
			Crystalline silica	14808-60-7	94.67794%	13.964%			
			Guar gum	9000-30-0	1.47062%	0.2169%			
			Hydrochloric acid	7647-01-0	1.03844%	0.15316%			
			Phenolic resin	9003-35-4	0.49585%	0.07313%			
			Ethylene Glycol	107-21-1	0.47512%	0.07008%			
			2-hydroxy-N,N,N-trimethylethanaminium chloride	67-48-1	0.39888%	0.05883%			
			Sodium hydroxide	1310-73-2	0.36557%	0.05392%			
			Diammonium peroxidisulphate	7727-54-0	0.20732%	0.03058%			
			Propan-2-ol	67-63-0	0.13778%	0.02032%			
			Alcohols, c 11-15-secondary, ethoxylated	68131-40-8	0.12822%	0.01891%			
			Tetrasodium ethylenediaminetetraacetate	64-02-8	0.06337%	0.00935%			
			Gum, xanthan	11138-66-2	0.06293%	0.00928%			
			Glutaraldehyde	111-30-8	0.04816%	0.0071%			
			Sodium tetraborate	1330-43-4	0.04028%	0.00594%			
			2-Propenoic acid, polymer with sodium phosphinate	129898-01-7	0.03313%	0.00489%			
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	0.03016%	0.00445%			
			Polyethylene glycol monohexyl ether	31726-34-8	0.02717%	0.00401%			
			Sodium carbonate	497-19-8	0.0141%	0.00208%			
			Sodium chloride	7647-14-5	0.0068%	0.001%			
			Sodium Glycolate (impurity)	2836-32-0	0.00514%	0.00076%			
			Non-crystalline silica (impurity)	7631-86-9	0.00369%	0.00054%			
			Fatty acid, tall-oil reaction products with acetophenone	68188-40-9	0.00364%	0.00054%			
			Calcium chloride	10043-52-4	0.00314%	0.00046%			
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.00303%	0.00045%			
			Isodecanol w/6-7 Moles Ethylene Oxide	26183-52-8	0.00204%	0.0003%			
			Trisodium Ethylenediaminetetraacetate (impurity)	150-38-9	0.00171%	0.00025%			
			Disodium Ethylene Diamine Tetra Acetate (impurity)	139-33-3	0.00171%	0.00025%			
			Cinnamaldehyde	104-55-2	0.00133%	0.0002%			
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00113%	0.00017%			
			Magnesium silicate hydrate (talc)	14807-96-6	0.00092%	0.00014%			
			Trisodium nitrilotriacetate (impurity)	5064-31-3	0.00086%	0.00013%			
			poly(tetrafluoroethylene)	9002-84-0	0.00039%	0%			
			Amines, tallow alkyl, ethoxylated	61791-26-2	0.00039%	0%			
			2,2'-oxydiethanol	111-46-6	0.00035%	0%			
			Dodecyl poly(oxyethylene) ether	9002-92-0	0.00016%	0%			
			Glycols, polyethylene, monotetradecyl ether	27306-79-2	0.00012%	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: 1/14/2015						
			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.