

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 February 15, 2012					
		1. WELL API NO. 30-015-37556							
		2. Well Name: MARTHA AIK FEDERAL #014H							
		3. Well Number: 014H							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:P Lot:P Section:11 Township:22S Range:31E Feet from:430 N/S Line:S Feet from:178 E/W Line:E							
		5. Bottom Hole Location: Unit:P Lot:P Section:11 Township:22S Range:31E Feet from:430 N/S Line:S Feet from:178 E/W Line:E							
		6. latitude: longitude: 32.4048312426041 - 103.745429712231							
		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: 2/21/2013 Frac Performed by: Schlumberger		12. Production Type: O							
13. Pool Code(s): 39360		14. Gross Fractured Interval: 7,456 ft to 10,281 ft							
15. True Vertical Depth (TVD): 7,019 ft		16. Total Volume of Fluid Pumped: 27,256 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)			
7.5% HCl, WF110, WF120, YF120Flex	Schlumberger	Inhib,XL,FR,Biocide,Surf,Acid,Breaker,Gel,Chelant,Prop	Water (Including Mix Water Supplied by Client)*	-	0%	97.49827%			
			Guar gum	9000-30-0	46.94443%	1.17442%			
			Diammonium peroxidisulphate	7727-54-0	21.12125%	0.5284%			
			Hydrogen chloride	7647-01-0	9.31147%	0.23295%			
			Cholinium chloride	67-48-1	6.12292%	0.15318%			
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	3.84227%	0.09612%			
			Tetrasodium ethylenediaminetetraacetate	64-02-8	3.59731%	0.08999%			
			Propan-2-ol	67-63-0	3.17271%	0.07937%			
			Alcohol, C7-9-iso, C8, ethoxylated	78330-19-5	1.8587%	0.0465%			
			2,2',2''-nitrioltriethanol	102-71-6	1.71126%	0.04281%			
			Glycerol	56-81-5	0.38444%	0.00962%			
			Crosslinked PO/EO-block polymer	68123-18-2	0.34773%	0.0087%			
			Sodium Glycolate (impurity)	2836-32-0	0.29158%	0.00729%			
			Glutaraldehyde	111-30-8	0.24042%	0.00601%			
			Magnesium silicate hydrate (talc)	14807-96-6	0.20202%	0.00505%			
			Non-crystalline silica	7631-86-9	0.12791%	0.0032%			
			Sodium erythorbate	6381-77-7	0.12238%	0.00306%			
			Alkyl (c10-c14) alcohols, ethoxylated	66455-15-0	0.1158%	0.0029%			
			Alcohol, C11-14, ethoxylated	78330-21-9	0.11556%	0.00289%			
			Methyl oxirane polymer with oxirane	9003-11-6	0.11453%	0.00287%			
			Sodium hydroxide	1310-73-2	0.09722%	0.00243%			
			Trisodium Ethylenediaminetetraacetate (impurity)	150-38-9	0.09721%	0.00243%			
			Disodium Ethylene Diamine Tetra Acetate (impurity)	139-33-3	0.09721%	0.00243%			
			Methanol	67-56-1	0.06586%	0.00165%			
			Diocetyl sulfosuccinate sodium salt	577-11-7	0.05409%	0.00135%			
			Trisodium nitrilotriacetate (impurity)	5064-31-3	0.04861%	0.00122%			
			Fatty acids, tall-oil	61790-12-3	0.04836%	0.00121%			
			Thiourea, polymer with formaldehyde and 1- phenylethanone	68527-49-1	0.0398%	0.001%			
			Alcohols, C14-15, ethoxylated (7EO)	68951-67-7	0.01852%	0.00046%			
			Prop-2-yn-1-ol	107-19-7	0.01235%	0.00031%			
			Propylene glycol	57-55-6	0.01159%	0.00029%			
			Alkenes, C>10 a-	64743-02-8	0.00823%	0.00021%			
			2-ethylhexan-1-ol	104-76-7	0.00155%	0%			
			Potassium oleate	143-18-0	0.00077%	0%			
			Oleic acid	112-80-1	0.00061%	0%			
			Acetic acid, potassium salt	127-08-2	0.00017%	0%			
			Acetic acid	64-19-7	0%	0%			
			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: <u>Signed Electronically</u> Printed Name: <u>Tina Huerta</u> Regulatory Reporting Title: <u>Supervisor</u>						
			Date: <u>5/14/2013</u>						
			E-mail Address: <u>tinah@ypcnm.com</u>						
			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.						