

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: 30-015-41408				
		2. Well Name: GRANDE MIKE AZK STATE #002H				
		3. Well Number: 002H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:E Lot:13 Section:2 Township:16S Range:29E Feet from:3860 N/S Line:S Feet from:200 E/W Line:W				
		5. Bottom Hole Location: Unit:M Lot:M Section:2 Township:16S Range:29E Feet from:3860 N/S Line:S Feet from:200 E/W Line:W				
		6. Latitude: 32.9541048443335 longitude: - 104.053428849702				
		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: 9/25/2013 Frac Performed by: Schlumberger		12. Production Type: O				
13. Pool Code(s): 97197		14. Gross Fractured Interval: 7,626 ft to 11,860 ft				
15. True Vertical Depth (TVD): 7,575 ft		16. Total Volume of Fluid Pumped: 2,192,519 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)
20 % HCL, Slickwater, WF120, YF125FlexD	Schlumberger	Acid, Proppant transport	Water (Including Mix Water Supplied by Client)*	NA	0%	87.25852%
			Crystalline silica	14808-60-7	86.00582%	10.95842%
			Hydrogen chloride	7647-01-0	9.98514%	1.27225%
			Guar gum	9000-30-0	1.35656%	0.17285%
			Ethane-1,2-diol	107-21-1	0.54682%	0.06967%
			2,2',2''-nitritotriethanol	102-71-6	0.34749%	0.04428%
			Diammonium peroxidisulphate	7727-54-0	0.30532%	0.0389%
			Propan-2-ol	67-63-0	0.2106%	0.02683%
			Tetrasodium ethylenediaminetetraacetate	64-02-8	0.19805%	0.02523%
			Glutaraldehyde	111-30-8	0.08557%	0.0109%
			Gum, xanthan	11138-66-2	0.0781%	0.00995%
			Sodium hydroxide	1310-73-2	0.07317%	0.00932%
			Glycerol	56-81-5	0.06985%	0.0089%
			Crosslinked PO/EO-block polymer	68123-18-2	0.06318%	0.00805%
			Sodium tetraborate	1330-43-4	0.05%	0.00637%
			Sodium erythorbate	6381-77-7	0.04934%	0.00629%
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	0.03678%	0.00469%
			Methanol	67-56-1	0.02451%	0.00312%
			Alkyl (c10-c14) alcohols, ethoxylated	66455-15-0	0.02104%	0.00268%
			Alcohol, C11-14, ethoxylated	78330-21-9	0.021%	0.00268%
			Methyl oxirane polymer with oxirane	9003-11-6	0.02081%	0.00265%
			Fatty acids, tall-oil	61790-12-3	0.018%	0.00229%
			Sodium Glycolate (impurity)	2836-32-0	0.01605%	0.00205%
			Thiourea, polymer with formaldehyde and 1-phenylethanone	68527-49-1	0.01481%	0.00189%
			Diethyl sulfosuccinate sodium salt	577-11-7	0.00983%	0.00125%
			Alcohols, C14-15, ethoxylated (7EO)	68951-67-7	0.00689%	0.00088%
			Trisodium Ethylenediaminetetraacetate (impurity)	150-38-9	0.00535%	0.00068%
			Disodium Ethylene Diamine Tetra Acetate (impurity)	139-33-3	0.00535%	0.00068%
			Tetrakis(hydroxymethyl) phosphonium sulfate	55566-30-8	0.00517%	0.00066%
			Prop-2-yn-1-ol	107-19-7	0.0046%	0.00059%
			Non-crystalline silica	7631-86-9	0.0037%	0.00047%
			Alkenes, C>10 a-	64743-02-8	0.00306%	0.00039%
			Trisodium nitrilotriacetate (impurity)	5064-31-3	0.00268%	0.00034%
			Propylene glycol	57-55-6	0.00211%	0.00027%
			Distillates (petroleum), hydrotreated light	64742-47-8	0.00165%	0.00021%
			Acrylamide, 2-acrylamido-2-methylpropanesulfonic acid, sodium salt polymer	38193-60-1	0.00115%	0.00015%
			Magnesium silicate hydrate (talc)	14807-96-6	0.00112%	0.00014%
			poly(tetrafluoroethylene)	9002-84-0	0.00048%	0%
			2-ethylhexan-1-ol	104-76-7	0.00028%	0%
			Alcohols, C10-C16, ethoxylated	68002-97-1	0.00021%	0%
			Sodium chloride	7647-14-5	0.00016%	0%
			Potassium oleate	143-18-0	0.00014%	0%
			Oleic acid	112-80-1	0.00011%	0%
			Acetic acid, potassium salt	127-08-2	0%	0%
			Acetic acid	64-19-7	0%	0%
			† Proprietary Technology			
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: 11/18/2013						
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.