

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: 30-025-40907				
		2. Well Name: YARROW BHY STATE #005H				
		3. Well Number: 005H				
		4. Surface Hole Location: Unit:A Lot:A Section:32 Township:23S Range:33E Feet from:200 N/S Line:N Feet from:660 E/W Line:E				
		5. Bottom Hole Location: Unit:A Lot:A Section:32 Township:23S Range:33E Feet from:200 N/S Line:N Feet from:660 E/W Line:E				
		6. latitude: 32.267922299149 longitude: -103.587929193437				
		7. County: Lea				
8. Operator Name and Address: YATES PETROLEUM CORPORATION 105 S 4TH ST ARTESIA 88210		9. OGRID: 25575		10. Phone Number:		
11. Last Fracture Date: 4/22/2014 Frac Performed by: Schlumberger		12. Production Type: O				
13. Pool Code(s): 59900		14. Gross Fractured Interval: 11,465 ft to 15,610 ft				
15. True Vertical Depth (TVD): 11,227 ft		16. Total Volume of Fluid Pumped: 2,921,731 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)
15% HCL, WF 110, YF 120 FlexD	Schlumberger	Corrosion Inhibitor, Bactericide (Myacide GA25), Surfactant, Acid, Breaker, Gelling Agent, Crosslin	Water (Including Mix Water Supplied by Client)*	NA	0%	84.38014%
			Ceramic materials and wares, chemicals	66402-68-4	74.17203%	11.58557%
			Crystalline silica	14808-60-7	19.62129%	3.06482%
			Hydrogen chloride	7647-01-0	2.24415%	0.35053%
			Guar gum	9000-30-0	1.2481%	0.19495%
			Phenolic resin	9003-35-4	1.0112%	0.15795%
			Cholinium chloride	67-48-1	0.45212%	0.7062%
			Ethane-1,2-diol	107-21-1	0.36131%	0.05644%
			Isopropanol	67-63-0	0.2196%	0.0343%
			Alcohols, c11-15-secondary, ethoxylated	68131-40-8	0.21448%	0.0335%
			Diammonium peroxodisulphate	7727-54-0	0.18962%	0.02962%
			Sodium hydroxide	1310-73-2	0.07736%	0.01208%
			Glutaraldehyde	111-30-8	0.07056%	0.01102%
			Polyethylene glycol monohexyl ether	31726-34-8	0.0659%	0.01029%
			Tetrasodium ethylenediaminetetraacetate	64-02-8	0.05915%	0.00924%
			Gum, xanthan	11138-66-2	0.05037%	0.00787%
			Sodium tetraborate	1330-43-4	0.03225%	0.00504%
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	0.03081%	0.00481%
			Methanol	67-56-1	0.0153%	0.00239%
			Sodium erythorbate	6381-77-7	0.0144%	0.00225%
			Fatty acids, tall-oil	61790-12-3	0.01123%	0.00175%
			Thiourea, polymer with formaldehyde and 1-phenylethanone	68527-49-1	0.00925%	0.00144%
			2-Propenoic acid, polymer with sodium phosphinate	129898-01-7	0.00829%	0.00129%
			Sodium Glycolate (impurity)	2836-32-0	0.00479%	0.00075%
			Alcohols, C14-15, ethoxylated (7EO)	68951-67-7	0.0043%	0.00067%
			Non-crystalline silica	7631-86-9	0.0034%	0.00053%
			Prop-2-yn-1-ol	107-19-7	0.00287%	0.00045%
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00275%	0.00043%
			Alkenes, C>10 a-	64743-02-8	0.00191%	0.0003%
			Sodium chloride	7647-14-5	0.0017%	0.00027%
			Trisodium Ethylenediaminetetraacetate (impurity)	150-38-9	0.0016%	0.00025%
			Disodium Ethylene Diamine Tetra Acetate (impurity)	139-33-3	0.0016%	0.00025%
			Glycerol	56-81-5	0.00152%	0.00024%
			Crosslinked PO/EO-block polymer	68123-18-2	0.00137%	0.00021%
			Magnesium silicate hydrate (talc)	14807-96-6	0.00094%	0.00015%
			Trisodium nitrilotriacetate (impurity)	5064-31-3	0.0008%	0.00012%
			Calcium chloride	10043-52-4	0.00079%	0.00012%
			Alkyl (c10-c14) alcohols, ethoxylated	66455-15-0	0.00046%	0%
			Alcohol, C11-14, ethoxylated	78330-21-9	0.00046%	0%
			Methyl oxirane polymer with oxirane	9003-11-6	0.00045%	0%
			poly(tetrafluoroethylene)	9002-84-0	0.0004%	0%
			Diocyl sulfosuccinate sodium salt	577-11-7	0.00021%	0%
			2,2'-oxydiethanol	111-46-6	0%	0%
			Propylene glycol	57-55-6	0%	0%
			2-ethylhexan-1-ol	104-76-7	0%	0%
			Potassium oleate	143-18-0	0%	0%
			Oleic acid	112-80-1	0%	0%
			Acetic acid, potassium salt	Ge0eral	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: 6/1/2014						
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.						