

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: 30-015-39155							
		2. Well Name: WOODCHUCK ABW STATE #003							
		3. Well Number: 003							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit: M Lot: M Section: 13 Township: 17S Range: 28E Feet from: 990 N/S Line: S Feet from: 330 E/W Line: W							
		5. Bottom Hole Location: Unit: M Lot: M Section: 13 Township: 17S Range: 28E Feet from: 990 N/S Line: S Feet from: 330 E/W Line: W							
		6. Latitude: 32.831277142533 Longitude: - 104.137343135982							
		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: 11/14/2012 Frac Performed by: FTS International		12. Production Type: O							
13. Pool Code(s): 96210		14. Gross Fractured Interval: 3,744 ft to 5,058 ft							
15. True Vertical Depth (TVD): 5,058 ft		16. Total Volume of Fluid Pumped: 30,182 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)			
Water	Operator	Carrier	Water	7732-18-5	100%	91.31943%			
HCl, 10.1 - 15%	FTSI	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.12192%			
			Water	7732-18-5	85%	0.6909%			
Cl-150	FTSI	Corrosion Inhibitor	Isopropanol	67-63-0	30%	0.24385%			
			Dimethylformamide	68-12-2	10%	0.08128%			
			Organic amine resin salt	Proprietary	30%	0.24385%			
			Quaternary ammonium compound	Proprietary	10%	0.08128%			
			Aromatic aldehyde	Proprietary	10%	0.08128%			
			Ethylene Glycol	107-21-1	30%	0.24385%			
			Diethylene glycol	111-46-6	1%	0.00813%			
			Water	7732-18-5	5%	0.04064%			
			Fatty acid	Proprietary	0.1%	0.00081%			
			Fatty acid salt	Proprietary	0.1%	0.00081%			
			Aliphatic alcohol	Proprietary	0.1%	0.00081%			
			Alkylene Oxide Block Polymer	Proprietary	10%	0.08128%			
			NE-100	FTSI	Non-Emulsifier	2-Butoxyethanol	111-76-2	10%	8E-05%
						2-Propanol	67-63-0	10%	8E-05%
						Dodecylbenzenesulfonic acid	27176-87-0	5%	4E-05%
Sulfuric Acid	7664-93-9	0.014%				0%			
Water	7732-18-5	90%				0.00071%			
Sulfur Dioxide	7446-09-5	0.0014%				0%			
FE-100L	FTSI	Iron Control	Citric Acid	77-92-9	55%	0.00149%			
			Water	7732-18-5	60%	0.00163%			
Shale Surf 1000W	FTSI	Flow-back Enhancer	Ethoxylated alcohol	Proprietary	20%	0.01798%			
			2-Butoxyethanol	111-76-2	10%	0.00899%			
			2-Propanol	67-63-0	10%	0.00899%			
			Cyclohexene	5989-27-5	10%	0.00899%			
			Methanol	67-56-1	10%	0.00899%			
			Water	7732-18-5	85%	0.07641%			
HVG-1	FTSI	Guar Slurry	Guar Gum	9000-30-0	50%	0%			
			Petroleum Distillate	64742-47-8	55%	0%			
			Clay	14808-60-7	2%	0%			
BXL-2	FTSI	Crosslinker	Sodium metaborate	10555-76-7	25%	0%			
			Boric acid	10043-35-3	15%	0%			
			Potassium hydroxide	1310-58-3	12%	0%			
			Water	7732-18-5	75%	0%			
			Surfactant	68439-51-	2%	0%			
			Ethylene Glycol monobutyl ether	111-76-2	0.25%	0%			
LTB-1	FTSI	Breaker	Ammonium Persulfate	7727-54-0	100%	0%			
			Cured acrylic resin	Proprietary	100%	0%			
B-10	FTSI	High pH Buffer	Silica, Crystalline Quartz	14808-60-7	10%	0%			
			Potassium Carbonate	584-08-7	48%	0%			
			Potassium Hydroxide	1310-58-3	20%	0%			
B-5	FTSI	Low pH Buffer	Water	7732-18-5	55%	0%			
			Acetic Acid	64-19-7	90%	0%			
			Water	7732-18-5	35%	0%			
ICI-150	FTSI	Biocide	Gluteral	111-30-8	50%	0.02567%			
			Water	7732-18-5	50%	0.02567%			
			Methanol	67-56-1	0.5%	0.00026%			
FRW-200W	FTSI	Friction Reducer	Petroleum distillate hydrotreated light	64742-47-8	26%	0.02577%			
APB-1	FTSI	Breaker	Ammonium Persulfate	7727-54-0	100%	0%			
CS POLYBREAK 210W	FTSI	Breaker	No Hazardous Materials	NA	100%	0.04823%			
Super LC 20/40	Santrol	Proppant	Resin Coated Crystalline Silica		100%	0%			
Sand, White, 20/40	FTSI	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	0.46799%			
Sand, White, 30/50	FTSI	Proppant	Crystalline Silica (Quartz)	14808-60-8	100%	3.10958%			
Sand Texas Gold, 20/40	FTSI	Proppant	Crystalline Silica (Quartz)	14808-60-9	100%	3.99582%			
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>1/16/2013</u>									
E-mail Address: <u>tinah@ypcnm.com</u>									
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