

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: 30-025-40891							
		2. Well Name: HEMLOCK BSH STATE #002H							
		3. Well Number: 002H							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment	4. Surface Hole Location: Unit:D Lot:D Section:32 Township:23S Range:33E Feet from:220 N/S Line:N Feet from:580 E/W Line:W								
	5. Bottom Hole Location: Unit:D Lot:D Section:32 Township:23S Range:33E Feet from:220 N/S Line:N Feet from:580 E/W Line:W								
	6. latitude: longitude: 32.2678952428952 - 103.600979075627								
	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: 4/1/2013 Frac Performed by: Halliburton		12. Production Type: O							
13. Pool Code(s): 59900		14. Gross Fractured Interval: 11,510 ft to 15,638 ft							
15. True Vertical Depth (TVD): 11,145 ft		16. Total Volume of Fluid Pumped: 66,835 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)			
Fresh Water	Operator				100%	85.21041%			
HYDROCHLORIC ACID 15%	Halliburton		Hydrochloric acid	7647-01-0	30%	0.64831%			
CERAMIC PROP	Halliburton	Proppant	Crystalline silica, cristobalite	14464-46-1	30%	3.60536%			
			Mullite	1302-93-8	100%	12.01788%			
			Silica, amorphous - fumed	7631-86-9	30%	3.60536%			
CL-22 UC	Halliburton	Crosslinker	Potassium formate	590-29-4	60%	0.04961%			
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.00239%			
			Potassium metaborate	13709-94-9	60%	0.02863%			
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00771%			
CLA-WEB™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.02656%			
LOSURF-360W, 330 GA	Halliburton	Surfactant	Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl- omega.-hydroxy-	61827-42-7	30%	0%			
			Glycerine	56-81-5	10%	0%			
			Complex Alkylamine		5%	0%			
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00396%			
D-AIR 3000L	Halliburton	Defoamer	Alkenes	Confidential Business Information	100%	0.05309%			
			Silica, amorphous precipitated	67762-90-7	30%	0.01593%			
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.02001%			
FR-38	Halliburton	Friction Reducer	Acetic acid	64-19-7	5%	0%			
			Ammonium sulfate Inorganic Salt	Confidential Business Information	30%	0%			
LCA-1	Halliburton	Solvent	Paraffinic solvent	Confidential Business Information	100%	0.00803%			
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.18674%			
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.002%			
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.00892%			
			Crystalline silica, quartz	14808-60-7	30%	0.00268%			
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.01985%			
K-35	Halliburton	Additive	Sodium carbonate	497-19-8	100%	0.00073%			
Ingredients Listed Below This Line Are Part of the			Acrylamide copolymer	108388-79-0	0%	0%			
			Acrylate Polymer	Proprietary	0%	0%			
			Aluminum Silicate	1302-76-7	0%	0%			
			Amine Salt	64-02-8	0%	0%			
			Amine Salts	75-57-0	0%	0%			
			Amine Salts	593-81-7	0%	0%			
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0%			
			Borate salts	92908-33-3	0%	0%			
			Crystalline silica, quartz	14808-60-7	0%	0%			
			Cured Acrylic Resin	Mixture	0%	0%			
			Defoamer	63148-62-9	0%	0%			
			Glycerine	56-81-5	0%	0%			
			Modified acrylamide copolymer	153568-80-0	0%	0%			
			Modified acrylate polymer	54076-97-0	0%	0%			
			Polypropylene glycol	25322-69-4	0%	0%			
			Quaternary Amine	34004-36-9	0%	0%			
			Quaternary Amine	3327-22-8	0%	0%			
			Quaternary Amine	75-50-3	0%	0%			
			Silica gel	112926-00-8	0%	0%			
			Silica, amorphous - fumed	7631-86-9	0%	0%			
			Sodium acetate	127-09-3	0%	0%			
			Sodium carboxymethyl cellulose	9004-32-4	0%	0%			
			Sodium chloride	7647-14-5	0%	0%			
			Sodium glycolate	2836-32-0	0%	0%			
			Sodium sulfate	7757-82-5	0%	0%			
			Surfactant Mixture	67254-71-1	0%	0%			
			Surfactant Mixture	56449-46-8	0%	0%			
			Trimethylamine, N-oxide	1184-78-7	0%	0%			
			Water	7732-18-5	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: Signed Electronically		Printed Name: Tina Huerta		Regulatory Reporting Title: Supervisor		
			Date: 5/14/2013						
			E-mail Address: tinah@ypcnm.com						
NMOCDD does not require the reporting of information beyond MSDS data as described in 29 CFR 1910.1200. NMOCDD does not require the reporting or disclosure of proprietary, trade secret or confidential business information.									