

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							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		1. WELL API NO: 30-025-40912							
		2. Well Name: RATTLESNAKE 13 12 FEDERAL COM #001H							
		3. Well Number: 001H							
		4. Surface Hole Location: Unit:P Lot:P Section:13 Township:26S Range:34E Feet from:330 N/S Line:S Feet from:330 E/W Line:E							
		5. Bottom Hole Location: Unit:P Lot:P Section:13 Township:26S Range:34E Feet from:330 N/S Line:S Feet from:330 E/W Line:E							
		6. latitude: 32.0369584019092 longitude: -103.416218813131							
		7. County: Lea							
8. Operator Name and Address: DEVON ENERGY PRODUCTION COMPANY, LP 333 W. Sheridan Avenue Oklahoma City 73102		9. OGRID: 6137	10. Phone Number: 405-228-8588						
11. Last Fracture Date: 5/8/2013 Frac Performed by: HES		12. Production Type: O							
13. Pool Code(s): 97597		14. Gross Fractured Interval: Confidential							
15. True Vertical Depth (TVD): 8,942 ft		16. Total Volume of Fluid Pumped: 5,276,753 gals							
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%	84.39811%			
HYDROCHLORIC ACID 10-30%	Halliburton		Hydrochloric acid	7647-01-0	30%	0.42805%			
SSA-2	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	3.45127%			
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	8.02615%			
CRC SAND	Halliburton	Proppant	Crystalline silica, quartz Hexamethylenetetramine Phenol / formaldehyde resin	14808-60-7 100-97-0 9003-35-4	100% 2% 5%	2.37906% 0.04758% 0.11895%			
CLA-WEB™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.02884%			
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00235%			
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide Potassium metaborate	1310-58-3 13709-94-9	5% 60%	0.00087% 0.0105%			
FR-66	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30%	0.01133%			
CL-22 UC	Halliburton	Crosslinker	Potassium formate	590-29-4	60%	0.01955%			
SUPERSET W	Halliburton	Activator	Methanol Ethoxylated nonylphenol	67-56-1 Confidential Business Information	60% 60%	0.02456% 0.02456%			
LCA-1	Halliburton	Solvent	Paraffinic solvent	Confidential Business Information	100%	0.00136%			
OptiKleen-WF™	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.00173%			
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate Crystalline silica, quartz	7727-54-0 14808-60-7	100% 30%	0.00433% 0.0013%			
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00038%			
K-34	Halliburton	Buffer	Sodium bicarbonate	144-55-8	100%	0.00038%			
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.1257%			
Ingredients Listed Below This Line Are Part of the			Acrylate Polymer	Proprietary	0%	0%			
			Alcohols, C12-16, ethoxylated	68551-12-2	0%	0%			
			Amine Salts	75-57-0	0%	0%			
			Amine Salts	593-81-7	0%	0%			
			Ammonium chloride	12125-02-9	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%			
			Polyacrylamide Copolymer	62649-23-4	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%			
			Sodium carboxymethyl cellulose	9004-32-4	0%	0%			
			Sodium Chloride	7647-14-5	0%	0%			
			Sodium glycolate	2836-32-0	0%	0%			
			Sodium sulfate	7757-82-6	0%	0%			
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	0%	0%			
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	0%	0%			
			Surfactant Mixture	67254-71-1	0%	0%			
			Surfactant Mixture	56449-46-8	0%	0%			
			Tall oil acid diethanolamide	68155-20-4	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: Derek Berg		Title: Engineering Technician		
Date: 10/14/2013									
E-mail Address: derek.berg@dm.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.