

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: 30-039-31309				
		2. Well Name: MANY CANYONS 24 03 08 #004H				
		3. Well Number: 004H				
		4. Surface Hole Location: Unit:P Lot:P Section:8 Township:24N Range:03W Feet from:1230 N/S Line:S Feet from:716 E/W Line:E				
5. Bottom Hole Location: Unit:P Lot:P Section:8 Township:24N Range:03W Feet from:1230 N/S Line:S Feet from:716 E/W Line:E		6. latitude: 36.32103 longitude: -107.17337				
7. County: Rio Arriba						
8. Operator Name and Address: ENERGEN RESOURCES CORPORATION 2010 Afton Place Farmington 87401		9. OGRID: 162928	10. Phone Number: 505-324-4154			
11. Last Fracture Date: 9/20/2015 Frac Performed by: Halliburton		12. Production Type: O				
13. Pool Code(s): 39189		14. Gross Fractured Interval: Confidential				
15. True Vertical Depth (TVD): 6,353 ft		16. Total Volume of Fluid Pumped: 2,994,507 gals				
17. Total Volume of Re-Use Water Pumped: 0 gals		18. Percent of Re-Use Water in Fluid Pumped: %				
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)
Fresh Water	Operator	Base Fluid	Fresh Water	7732-18-5	100%	71.70772%
NITROGEN LIQUEFIED	Halliburton	Fluid	NA	NA	0%	0%
BC-140, BE-7(TM), Cla-Web (TM), GBW-30 BREAKER, HAI	Halliburton	Additive, Biocide, Breaker, Corrosion Inhibitor, Crosslinker, Gelling Agent, Non-ionic Surfactant, P	NA	NA	0%	0%
Parasorb 5000	Baker Hughes	Paraffin Inhibitor	NA	NA	0%	0%
Hydrochloric Acid	Halliburton	Acid	NA	NA	0%	0%
			1,2,4 Trimethylbenzene	95-63-6	1%	0.00033%
			Alcohols, C14-C15, ethoxylated	68951-67-7	30%	0.00015%
			Amine salts	Confidential	0.1%	0.00019%
			Ammonium salt	Confidential	60%	0.0564%
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	5%	0.00731%
			C.I. Pigment Red 5	6410-41-9	1%	6E-05%
			Crystalline silica, quartz	14808-60-7	100%	8.16213%
			Crystalline Silica, Quartz	14808-60-7	0.1%	0.00015%
			Crystalline silica: Quartz (SiO2)	14808-60-7	1%	0.00017%
			Cured acrylic resin	Confidential	30%	0.00196%
			Diatomaceous earth calcined	91053-39-3	60%	0.01018%
			Enzyme	Confidential	5%	0.00032%
			Ethanol	64-17-5	60%	0.01953%
			Ethylene glycol	107-21-1	30%	0.00967%
			Fatty acids, tall oil	Confidential	30%	0.00015%
			Glycerine	56-81-5	5%	0.00838%
			Guar gum	9000-30-0	100%	0.14618%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.00977%
			Hemicellulase enzyme	9012-54-8	30%	0.00184%
			Hydrochloric acid	7647-01-0	60%	0.37091%
			Inner salt of alkyl amines	Proprietary	30%	0.0503%
			Lactose	63-42-3	100%	0.00614%
			Methanol	67-56-1	60%	0.00031%
			Mineral oil	8042-47-5	30%	0.00509%
			Monoethanolamine borate	26038-87-9	60%	0.01934%
			Naphthalene	91-20-3	5%	0.00163%
			Nitrogen	7727-37-9	100%	17.70666%
			Olefins	Confidential	5%	6E-05%
			Oxyalkylated phenolic resin	Confidential	30%	0.01302%
			Poly (oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.00163%
			Propargyl alcohol	107-19-7	10%	5E-05%
			Quaternary amine	Confidential	5%	0.00573%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	30%	0.00015%
			Silica gel	112926-00-8	1%	0.00146%
			Sodium chloride	7647-14-5	30%	0.055%
			Sodium hydroxide	1310-73-2	2%	0.00017%
			Sodium hypochlorite	7681-52-9	30%	0.00249%
			Surfactant mixture	Confidential	1%	0.00292%
			Walnut hulls	NA	100%	0.00632%
			Water	7732-18-5	100%	0.18464%
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: Anna Stotts Title: Regulatory Analyst						
Date: 11/18/2015						
E-mail Address: astotts@energen.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.