

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							
		1. WELL API NO. 30-045-24998							
		2. Well Name: RICHARDSON #005							
		3. Well Number: 005							
HYDRAULIC FRACTURING FLUID DISCLOSURE <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment		4. Surface Hole Location: Unit:A Lot:A Section:10 Township:27N Range:13W Feet from:1120 N/S Line:N East from:790 E/W Line:E							
		5. Bottom Hole Location: Unit:A Lot:A Section:10 Township:27N Range:13W Feet from:1120 N/S Line:N East from:790 E/W Line:E							
		6. latitude: longitude: 36.5939452841618 - 108.200254020733							
		7. County: San Juan							
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: 5/8/2014 Frac Performed by: Halliburton		12. Production Type: G							
13. Pool Code(s): 97232		14. Gross Fractured Interval: 5,264 ft to 5,488 ft							
15. True Vertical Depth (TVD): 6,400 ft		16. Total Volume of Fluid Pumped: 38,355 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)			
2% KCL Water	Operator				100%	51.11003%			
SSA-2	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	0.79037%			
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	23.72678%			
LoSurf-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	0.0003%			
			Ethanol	64-17-5	60%	0.01783%			
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.00892%			
			Naphthalene	91-20-3	5%	0.00149%			
			Poly(oxy-1,2-ethanediy), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.00149%			
HC-2	Halliburton	Additive	Inner salt of alkyl amines	Confidential Business Information	30%	0.06532%			
LGC-36 UC	Halliburton	Liquid Gel Concentrate	Sodium chloride	7647-14-5	30%	0.06532%			
			Guar gum	9000-30-0	60%	0.15107%			
BC-200 UC	Halliburton	Crosslinker	Naphtha, hydrotreated heavy	64742-48-9	60%	0.15107%			
			Modified alkane	Confidential Business Information	60%	0.06993%			
FE-1A ACIDIZING COMPOSITION	Halliburton	Additive	Acetic acid	64-19-7	60%	0.00425%			
FE-2A	Halliburton	Additive	Acetic anhydride	108-24-7	100%	0.00708%			
			Citric acid	77-92-9	60%	0.0049%			
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Methanol	67-56-1	60%	0.0007%			
			Propargyl alcohol	107-19-7	10%	0.00012%			
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00395%			
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.00553%			
			Crystalline silica, quartz	14808-60-7	30%	0.00166%			
NITROGEN LIQUEFIED	Halliburton	Fluid	Nitrogen	7727-37-9	100%	23.73114%			
Ingredients Listed Below This Line Are Part of the			2-Ethyl hexanol	104-76-7	0%	0%			
			Alcohols, C14-C15, ethoxylated	68951-67-7	0%	0%			
			Borate salts	Confidential Business Information	0%	0%			
			Butyl alcohol	71-36-3	0%	0%			
			Crystalline silica, quartz	14808-60-7	0%	0%			
			Cured acrylic resin	Confidential Business Information	0%	0%			
			Fatty acids, tall oil	Confidential Business Information	0%	0%			
			Fatty alcohol polyglycol ether surfactant	9043-30-5	0%	0%			
			Glycerine	56-81-5	0%	0%			
			Methanol	67-56-1	0%	0%			
			Modified bentonite	Confidential Business Information	0%	0%			
			Olefins	Confidential Business Information	0%	0%			
			Olefins	Confidential Business Information	0%	0%			
			Olefins	Confidential Business Information	0%	0%			
			Olefins	Confidential Business Information	0%	0%			
			Olefins	Confidential Business Information	0%	0%			
			Organic salt	Confidential Business Information	0%	0%			
			Oxyalkylated phenolic resin	Confidential Business Information	0%	0%			
			Oxyalkylated phenolic resin	Confidential Business Information	0%	0%			
			Propylene carbonate	108-32-7	0%	0%			
			Propylene glycol	57-55-6	0%	0%			
			Quaternary ammonium compounds, bis (hydrogenated tallow alkyl) dimethyl,salts with bentonite	68953-58-2	0%	0%			
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	0%	0%			
			Sodium carbonate	497-19-8	0%	0%			
			Sodium sulfate	7757-82-6	0%	0%			
			Water	7732-18-5	0%	0%			
			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: 6/9/2014						
			E-mail Address: astotts@energen.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.