

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. 30-039-26856				
		2. Well Name: JICARILLA 94 #002B				
		3. Well Number: 002B				
HYDRAULIC FRACTURING FLUID DISCLOSURE <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment		4. Surface Hole Location: Unit:N Lot:N Section:27 Township:27N Range:03W Feet from:660 N/S Line:S Feet from:1975 E/W Line:W				
		5. Bottom Hole Location: Unit:N Lot:N Section:27 Township:27N Range:03W Feet from:660 N/S Line:S Feet from:1975 E/W Line:W				
		6. Latitude: 36.5389182663155 Longitude: - 107.134345078871				
		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: 7/19/2013 Frac Performed by: Halliburton		12. Production Type: G				
13. Pool Code(s): 77360		14. Gross Fractured Interval: 3,933 ft to 3,996 ft				
15. True Vertical Depth (TVD): 6,476 ft		16. Total Volume of Fluid Pumped: 27,366 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)
2% KCL Water	Operator				100%	53.87644%
FE ACID - >10% HCL	Halliburton		Hydrochloric acid	7647-01-0	30%	0.62355%
SAND - COMMON WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	1.1677%
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	25.87624%
AQF-2 FOAMING AGENT	Halliburton	Foaming Agent	Ethylene glycol monobutyl ether	111-76-2	30%	0.04363%
GasPerm 1100	Halliburton	Non-ionic Surfactant	Diethylene glycol	111-46-6	10%	0.01454%
			Ethanol	64-17-5	30%	0.02903%
			Isopropanol	67-63-0	10%	0.00968%
			Methanol	67-56-1	10%	0.00968%
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Terpenes and Terpenoids, sweet orange-oil	68647-72-3	5%	0.00484%
			Methanol	67-56-1	60%	0.00415%
LGC-36 UC	Halliburton	Liquid Gel Concentrate	Propargyl alcohol	107-19-7	10%	0.00069%
			Guar gum	9000-30-0	60%	0.16232%
BC-140	Halliburton	Crosslinker	Naphtha, hydrotreated heavy	64742-48-9	60%	0.16232%
			Ethylene glycol	107-21-1	30%	0.03713%
GBW-30 BREAKER	Halliburton	Breaker	Monoethanolamine borate	26038-87-9	60%	0.07427%
			Hemicellulase enzyme	9012-54-8	30%	0.00105%
OPTIFLO-HTE	Halliburton	Breaker	Carbohydrates	Confidential Business Information	100%	0.0035%
			Crystalline silica, quartz	14808-60-7	30%	0.00182%
NITROGEN LIQUEFIED	Halliburton	Fluid	Walnut hulls	Mixture	100%	0.00607%
			Nitrogen	7727-37-9	100%	16.34809%
Ingredients Listed Below This Line Are Part of the			Acetic acid	64-19-7	0%	0%
			Acetic anhydride	108-24-7	0%	0%
			Alcohols, C14-C15, ethoxylated	68951-67-7	0%	0%
			Alkyl sulfonate	Confidential Business Information	0%	0%
			C.I. Pigment Red 5	6410-41-9	0%	0%
			Citric acid	77-92-9	0%	0%
			Crystalline silica, quartz	14808-60-7	0%	0%
			Cured acrylic resin	Confidential Business Information	0%	0%
			Cured acrylic resin	Confidential Business Information	0%	0%
			Enzyme	Confidential Business Information	0%	0%
			Ethoxylated fatty acid	Confidential Business Information	0%	0%
			Ethoxylated fatty acid	Confidential Business Information	0%	0%
			Ethoxylated fatty acid	Confidential Business Information	0%	0%
			Ethoxylated fatty acid	Confidential Business Information	0%	0%
			Fatty acids, tall oil	Confidential Business Information	0%	0%
			Fatty alcohol polyglycol ether surfactant	9043-30-5	0%	0%
			Methyl Isobutyl Ketone	108-10-1	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%
			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%
			Terpenes and terpenoids	Confidential Business Information	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: Anna Stotts		Title: Regulatory Analyst		
Date: 10/7/2013						
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.