

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: 30-039-21273				
		2. Well Name: JICARILLA 96 #008A				
		3. Well Number: 008A				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:D Lot:D Section: 12 Township:26N Range:03W Feet from:990 N/S Line:N Feet from:1190 E/W Line:W				
		5. Bottom Hole Location: Unit:D Lot:D Section: 12 Township:26N Range:03W Feet from:990 N/S Line:N Feet from:1190 E/W Line:W				
		6. Latitude: 0 Longitude: 0				
		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: 8/9/2013 Frac Performed by: Halliburton		12. Production Type: G				
13. Pool Code(s): 77360		14. Gross Fractured Interval: 3,626 ft to 3,739 ft				
15. True Vertical Depth (TVD): 8,375 ft		16. Total Volume of Fluid Pumped: 23,788 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%	54.34807%
HYDROCHLORIC ACID 10-30%	Halliburton		Hydrochloric acid	7647-01-0	30%	0.72362%
SSA-2	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	1.3551%
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	29.78501%
3rd Party Additive	Operator	*3rd Party Additive	*Supplied by Operator		100%	0.66637%
AQF-2 FOAMING AGENT	Halliburton	Foaming Agent	Ethylene glycol monobutyl ether	111-76-2	30%	0.05134%
GasPerm 1100	Halliburton	Non-ionic Surfactant	Diethylene glycol	111-46-6	10%	0.01711%
			Ethanol	64-17-5	30%	0.02988%
			Isopropanol	67-63-0	10%	0.00996%
			Methanol	67-56-1	10%	0.00996%
			Terpenes and Terpenoids, sweet orange-oil	68647-72-3	5%	0.00498%
FDP-S1061-12	Halliburton	Friction Reducer	Inorganic salt	Confidential Business Information	30%	0.09393%
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Methanol	67-56-1	60%	0.00482%
			Propargyl alcohol	107-19-7	10%	0.0008%
CleanBreak CRE	Halliburton	Breaker	Enzyme	Confidential Business Information	5%	0.00033%
GBW-30 BREAKER	Halliburton	Breaker	Hemicellulase enzyme	9012-54-8	30%	0.00024%
			Carbohydrates	Confidential Business Information	100%	0.00081%
CleanBreak E	Halliburton	Breaker	Hemicellulase enzyme	9012-54-8	5%	0.00027%
NITROGEN LIQUEFIED	Halliburton	Fluid	Nitrogen	7727-37-9	100%	10.8288%
Ingredients Listed Below This Line Are Part of the			Alcohols, C14-C15, ethoxylated	68951-67-7	0%	0%
			Alkyl sulfonate	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%
			Fatty acids, tall oil	Confidential Business Information	0%	0%
			Food coating	68308-35-0	0%	0%
			Lactose	63-42-3	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%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	0%	0%
			Talc	14807-96-8	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: 10/8/2013			
			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.