

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: 30-039-27528				
		2. Well Name: JICARILLA 96 #003R				
		3. Well Number: 003R				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:B Lot:B Section:12 Township:26N Range:03W Feet from:660 N/S Line:N Feet from:2500 E/W Line:E				
		5. Bottom Hole Location: Unit:B Lot:B Section:12 Township:26N Range:03W Feet from:660 N/S Line:N Feet from:2500 E/W Line:E				
		6. latitude: longitude: 0 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: 4/24/2013 Frac Performed by: Halliburton			12. Production Type: G			
13. Pool Code(s): 77360			14. Gross Fractured Interval: 3,621 ft to 3,671 ft			
15. True Vertical Depth (TVD): 7,624 ft			16. Total Volume of Fluid Pumped: 623 bbls			
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%	51.71957%
HYDROCHLORIC ACID 10-30%	Halliburton		Hydrochloric acid	7647-01-0	30%	0.63043%
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	27.04189%
LGC-39 UC, 330 GALLO	Halliburton				100%	0%
FDP-S1061-12	Halliburton	Friction Reducer	Inorganic salt	Confidential Business Information	30%	0.08967%
BA-20 BUFFERING AGENT	Halliburton	Buffer	Acetic acid	64-19-7	30%	0.00323%
			Ammonium acetate	631-61-8	100%	0.01077%
GasPerm 1100	Halliburton	Non-ionic Surfactant	Ethanol	64-17-5	60%	0.05501%
			Methanol	67-56-1	10%	0.00917%
			Terpenes and Terpenoids, sweet orange-oil	68647-72-3	5%	0.00458%
AQF-2 FOAMING AGENT	Halliburton	Foaming Agent	Ethylene glycol monobutyl ether	111-76-2	30%	0.04443%
			Diethylene glycol	111-46-6	10%	0.01481%
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Methanol	67-56-1	60%	0.00104%
			Propargyl alcohol	107-19-7	10%	0.00017%
CleanBreak CRE	Halliburton	Breaker	Enzyme	Confidential Business Information	5%	0.00053%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00141%
			Walnut hulls	Mixture	100%	0.00469%
GBW-30 BREAKER	Halliburton	Breaker	Hemicellulase enzyme	9012-54-8	15%	0.00018%
			Carbohydrates	Confidential Business Information	95%	0.00111%
Nitrogen	Halliburton				100%	18.56953%
Ingredients Listed Below This Line Are Part of the			Alcohols, C14-C15, ethoxylated	68951-67-7	0%	0%
			Alkyl Sulfonate	68439-57-6	0%	0%
			C.I. Pigment Red 5	6410-41-9	0%	0%
			Cured Acrylic Resin	Mixture	0%	0%
			Cured Acrylic Resin	9002-98-6	0%	0%
			Enzyme	9025-56-3	0%	0%
			Ethoxylated Fatty Acid	61791-12-6	0%	0%
			Ethoxylated Fatty Acid	61791-29-5	0%	0%
			Ethoxylated Fatty Acid	61791-08-0	0%	0%
			Fatty acids, tall oil	61790-12-3	0%	0%
			Food coating	68308-35-0	0%	0%
			Lactose	63-42-3	0%	0%
			Methyl Isobutyl Ketone	108-10-1	0%	0%
			Olefins	3452-07-1	0%	0%
			Olefins	629-73-2	0%	0%
			Olefins	112-88-9	0%	0%
			Olefins	1120-36-1	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	68956-56-9	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: 5/9/2013						
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.						