

**State of New Mexico
Energy, Minerals and
Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505**

1. WELL API NO. 30-039-22876
2. Well Name: JICARILLA 89 #003A
3. Well Number: 003A
4. Surface Hole Location: Unit: Lot: Section:15 Township:27N Range:03W Feet from:1650 N/S Line:S Feet from:1120 E/W Line:E
5. Bottom Hole Location: Unit: Lot: Section:15 Township:27N Range:03W Feet from:1650 N/S Line:S Feet from:1120 E/W Line:E
6. Latitude: 36.5706817309201 Longitude: - 107.126950728919
7. County: Rio Arriba

HYDRAULIC FRACTURING FLUID DISCLOSURE Original Amended

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: 4/12/2012 Frac Performed by: Halliburton	12. Production Type: G	
13. Pool Code(s): 77360	14. Gross Fractured Interval: 3,824 ft to 3,850 ft	
15. True Vertical Depth (TVD): 6,220 ft	16. Total Volume of Fluid Pumped: 448 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)
Potassium Chloride Brine, 2% Aqueous Solution	Energen Resources	Fluid	Potassium Chloride	7447-40-7	100%	50.41208%
SSA-2	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	1.59774%
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	23.96801%
BC-140	Halliburton	Crosslinker	Ethylene glycol	107-21-1	30%	0.01725%
			Monoethanolamine borate	26038-87-9	60%	0.0345%
AQF-2 FOAMING AGENT	Halliburton	Foaming Agent	Diethylene glycol	111-46-6	10%	0.0152%
			Ethylene glycol monobutyl ether	111-76-2	30%	0.0456%
SuperFlo 2000	Halliburton	Surfactant	Methanol	67-56-1	10%	0.0029%
			Terpene	Confidential Business Information	30%	0.0087%
LGC-36 UC	Halliburton	Liquid Gel Concentrate	Guar gum	9000-30-0	60%	0.10582%
			Naphtha, hydrotreated heavy	64742-48-9	60%	0.10582%
HAI-82 ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Quaternary Amine Salt	Confidential Business Information	10%	0.00025%
			Isopropanol	67-63-0	10%	0.00025%
			Methanol	67-56-1	30%	0.00074%
			Propargyl alcohol	107-19-7	5%	0.00012%
GBW-30 BREAKER	Halliburton	Breaker	Hemicellulase enzyme	9012-54-8	15%	0.00048%
			Carbohydrates	Confidential Business Information	95%	0.00304%
OPTIFLO-THE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00192%
			Walnut hulls	Mixture	100%	0.00639%
NITROGEN LIQUEFIED	Halliburton	Fluid	Nitrogen	7727-37-9	100%	23.59524%

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: 5/7/2012
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.