Submit within 45 days of well completion State of New Mexico						Revised February 15, 2012											
				1. WELL API NO. 30-039-27483													
Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505						Well Name: JICARILLA 94 #002R 3. Well Number: 002R											
									HYDRAULIC FR	ACTURI	NG FLUID				4. Surface Hole Lo		
									DISCLOSURE						Unit:L Lot:L S Feet from:2350		ownship:27N Range:03W 'S Line:S
⊠ Original						Feet from: 1125 5. Bottom Hole Loc		W Line:W									
□ Amendment						Unit:L Lot:L S	Section:27 To	ownship:27N Range:03W									
Anchament						Feet from: 2350 Feet from: 1125		'S Line:S W Line:W									
						6. latitude: 36.543	35604101465	longitude: -107.13725276706									
						7. County: Rio Arri											
Operator Name and Address:					9. OGRID:	•	10. Phone Numb	per: 505-324-4154									
ENERGEN RESOU 2010 Afton Place Farmington 87401	JRCES COR	PORATION			S. OGRID.	102520	TO. PHONE NUME	Sei. 303-324-4134									
11. Last Fracture Date: 6/20/		12. Production		on Type:													
13. Pool Code(s):		14. Gross Fra		actured Interval:													
77360 15. True Vertical Depth (TVD):				,069 ft to 4,103 ft slume of Fluid Pumped:													
6,639 ft	COMPOSI	TION AND CONCENTRAT	ION-		22	2,474 gals											
Trade Name	Supplier	Purpose	Ingredients	(CAS#) Chemic	al Abstract	Maximum Ingredie		Maximum Ingredient									
ON ICOL Water	Oncertor			Service #		Concentration in A mass)	# 10 mm of 12 mm	Concentration in HF Fluid (% by mass)									
2% KCL Water HYDROCHLORIC ACID 10- 30%	Operator Halliburton		Hydrochloric acid	7647-01-0		100% 30%		51.62178% 0.73241%									
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7			100%	30.02673%									
SAND - COMMON WHITE	Halliburton	Proppant	Crystalline silica,	14808-60-7	14808-60-7		100%	1.36237%									
LGC-36 UC	Halliburton	Liquid Gel	quartz Guar gum	9000-30-0			60%	0.13316%									
	1000000	Concentrate	Naphtha, hydrotreated heavy	64742-48-9			60%	0.13316%									
BC-140	Halliburton	Crosslinker	Ethylene glycol	107-21-1			30%	0.01962%									
			Monoethanolamine borate	26038-87-9			60%	0.03924%									
AQF-2 FOAMING AGENT	Halliburton	Foaming Agent	Ethylene glycol monobutyl ether	111-76-2			30%	0.04455%									
GasPerm 1100	Halliburton	Non-ionic Surfactant	Diethylene glycol Ethanol	111-46-6 64-17-5			10% 30%	0.01485% 0.03068%									
			Isopropanol Methanol	67-63-0 67-56-1			10% 10%	0.01023% 0.01023%									
			Terpenes and	68647-72-3			5%	0.00511%									
			Terpenoids, sweet orange-oil														
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Methanol	67-56-1		60%		0.00121%									
GBW-30 BREAKER	Halliburton	Breaker	Propargyl alcohol Hemicellulase	107-19-7 9012-54-8			10% 30%	0.0002% 0.00147%									
			enzyme Carbohydrates	Confidential Business		8	100%	0.0049%									
				Information	Justiness												
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7		v.	30%	0.00172%									
NITDOGENILIQUEEUED	Liellibudes	Fluid	Walnut hulls	Mixture			100%	0.00572%									
NITROGEN LIQUEFIED Ingredients Listed Below	Halliburton	Fluid	Nitrogen Alcohols, C14-C15,	7727-37-9 68951-67-7			100%	13.99705% 0%									
This Line Are Part of the			ethoxylated Alkyl sulfonate	Confidential Business			0%	0%									
			\$10.5 \$10.0 DESCRIPTION	Information				800									
			C.I. Pigment Red 5 Crystalline silica,	6410-41-9 14808-60-7			0% 0%	0%									
			quartz Cured acrylic resin	Confidential Business			0%	0%									
			Cured acrylic resin	Information			0%	0%									
				Confidential Business Information													
			Enzyme	Confidential Business Information			0%	0%									
			Ethoxylated fatty acid	Confidential E Information	Business		0%	0%									
			Ethoxylated fatty acid	Confidential E Information	Business			0%									
			Ethoxylated fatty acid		Business		0%	0%									
			Fatty acids, tall oil	Confidential E	Business	0%		0%									
			Fatty alcohol	Information 9043-30-5	E 1 (1) 1 (1) 1 (1) 1		0%	0%									
			polyglycol ether surfactant				1,000										
	I		Methyl Isobutyl	108-10-1			0%	0%									

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.

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.

10/21/2013

Signed Electronically Printed Name: Anna Stotts

Signature:

Date:

Title: Regulatory Analyst

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Quaternary
ammonium
compounds, bis
(hydrogenated tallow
alkyl) dimethyl,salts
with bentonite

Reaction product of
acetophenone,
formaldehyde,
thiourea and oleic
acid in dimethyl
formamide

Terpenes and
terpenoids

Water

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Ketone Olefins

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Water

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