

Submit within 45 days of well completion	<div>State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505</div>	Revised February 15, 2012					
<div>HYDRAULIC FRACTURING FLUID DISCLOSURE</div> <div><input checked="" type="checkbox"/> Original</div> <div><input type="checkbox"/> Amendment</div>		1. WELL API NO: 30-043-20446					
		2. Well Name: CHACON JICARILLA D #019					
		3. Well Number: 019					
		4. Surface Hole Location: Unit:A Lot:Z00 Section:27 Township:23N Range:03W Feet from:790 N/S Line:N Feet from:990 E/W Line:E					
		5. Bottom Hole Location: Unit:A Lot:Z00 Section:27 Township:23N Range:03W Feet from:790 N/S Line:N Feet from:990 E/W Line:E					
		6. Latitude: 0 longitude: 0					
		7. County: Sandoval					
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: 7/17/2013 Frac Performed by: Halliburton		12. Production Type: O					
13. Pool Code(s): 39189		14. Gross Fractured Interval: 6,241 ft to 6,423 ft					
15. True Vertical Depth (TVD): 7,620 ft		16. Total Volume of Fluid Pumped: 117,085 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%	84.75467%	
FE ACID - >10% HCL	Halliburton		Hydrochloric acid	7647-01-0	30%	0.22927%	
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	12.80306%	
SAND - COMMON WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	0.85869%	
LGC-36 UC	Halliburton	Liquid Gel Concentrate	Guar gum	9000-30-0	60%	0.26997%	
			Naphtha, hydrotreated heavy	64742-48-9	60%	0.26997%	
BC-200 UC	Halliburton	Crosslinker	Modified alkane	Confidential Business Information	60%	0.11344%	
FE-1A ACIDIZING COMPOSITION	Halliburton	Additive	Acetic acid	64-19-7	60%	0.01385%	
			Acetic anhydride	108-24-7	100%	0.02309%	
FE-2A	Halliburton	Additive	Citric acid	77-92-9	60%	0.01597%	
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Methanol	67-56-1	60%	0.00115%	
			Propargyl alcohol	107-19-7	10%	0.00019%	
OilPerm A	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	0.00054%	
			Ethanol	64-17-5	60%	0.03259%	
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.01629%	
			Naphthalene	91-20-3	5%	0.00272%	
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.00272%	
OilPerm B	Halliburton	Surfactant	Proprietary component	Confidential Business Information	30%	0.01655%	
			Isopropanol	67-63-0	30%	0.01655%	
			Terpenes and Terpenoids, sweet orange-oil	68647-72-3	30%	0.01655%	
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.01116%	
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.00807%	
			Crystalline silica, quartz	14808-60-7	30%	0.00242%	
Ingredients Listed Below This Line Are Part of the			2-Ethyl hexanol	104-76-7	0%	0%	
			Acetic acid	64-19-7	0%	0%	
			Acetic anhydride	108-24-7	0%	0%	
			Alcohols, C12-16, ethoxylated	61791-08-0	0%	0%	
			Alcohols, C14-C15, ethoxylated	68951-67-7	0%	0%	
			Borate salts	Confidential Business Information	0%	0%	
			Butyl alcohol	71-36-3	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%	
			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%	
			Methanol	67-56-1	0%	0%	
			Modified bentonite	Confidential Business Information	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%	
			Organic salt	Confidential Business Information	0%	0%	
			Oxyalkylated phenolic resin	Confidential Business Information	0%	0%	
			Oxyalkylated phenolic resin	Confidential Business Information	0%	0%	
			Propylene carbonate	108-32-7	0%	0%	
			Propylene glycol	57-55-6	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%	
			Sodium carbonate	497-19-8	0%	0%	
			Sodium sulfate	7757-82-6	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						

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