

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: 30-043-20445				
		2. Well Name: CHACON JICARILLA D #018				
		3. Well Number: 018				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:K Lot:Z00 Section:22 Township:23N Range:03W Feet from:1850 N/S Line:S Feet from:1850 E/W Line:W				
		5. Bottom Hole Location: Unit:K Lot:Z00 Section:22 Township:23N Range:03W Feet from:1850 N/S Line:S Feet from:1850 E/W Line:W				
		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: 8/21/2013 Frac Performed by: Schlumberger		12. Production Type: O				
13. Pool Code(s): 39189		14. Gross Fractured Interval: 6,355 ft to 6,460 ft				
15. True Vertical Depth (TVD): 7,710 ft		16. Total Volume of Fluid Pumped: 74,714 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)
15% HCL, YF120 FlexD, WF110	Schlumberger	Corrosion Inhibitor, Bactericide (Myacide GA25), Surfactant, Acid, Breaker, Gelling Agent, Crosslin	Water (Including Mix Water Supplied by Client)*	NA	0%	0.85%
			Crystalline silica	14808-60-7	0%	0.14%
			Hydrogen chloride	7647-01-0	0%	0%
			Guar gum	9000-30-0	0%	0%
			Synthetic organic polymer	Proprietary	0%	0%
			Ethane-1,2-diol	107-21-1	0%	0%
			Diammonium peroxidisulphate	7727-54-0	0%	0%
			Cholinium chloride	67-48-1	0%	0%
			Sodium hydroxide	1310-73-2	0%	0%
			Gum, xanthan	11138-66-2	0%	0%
			Glutaraldehyde	111-30-8	0%	0%
			Sodium tetraborate	1330-43-4	0%	0%
			Methanol	67-56-1	0%	0%
			Polyethylene glycol monohexyl ether	31726-34-8	0%	0%
			Fatty acids, tall-oil	61790-12-3	0%	0%
			Thiourea, polymer with formaldehyde and 1-phenylethanone	68527-49-1	0%	0%
			Propan-2-ol	67-63-0	0%	0%
			Sizing	Proprietary	0%	0%
			Alcohols, C14-15, ethoxylated (7EO)	68951-67-7	0%	0%
			Non-crystalline silica	7631-86-9	0%	0%
			Prop-2-yn-1-ol	107-19-7	0%	0%
			Sodium erythorbate	6381-77-7	0%	0%
			Alkenes, C>10 a-	64743-02-8	0%	0%
			Glycerol	56-81-5	0%	0%
			Crosslinked PO/EO-block polymer	68123-18-2	0%	0%
			Alkyl (c10-c14) alcohols, ethoxylated	66455-15-0	0%	0%
			Alcohol, C11-14, ethoxylated	78330-21-9	0%	0%
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0%	0%
			Methyl oxirane polymer with oxirane	Ge0eral	0%	0%
			Dioctyl sulfosuccinate sodium salt	Ge0eral	0%	0%
			Propylene glycol	57-55-6	0%	0%
			Potassium hydroxide	1310-58-3	0%	0%
			2-ethylhexan-1-ol	104-76-7	0%	0%
			Potassium oleate	143-18-0	0%	0%
			Oleic acid	112-80-1	0%	0%
Acetic acid, potassium salt	Ge0eral	0%	0%			
Acetic acid	64-19-7	0%	0%			
† Proprietary Technology					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						

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.