

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 November 8, 2013				
		1. WELL API NO: 30-025-40719				
		2. Well Name: THISTLE UNIT #034H				
		3. Well Number: 034H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☐ Original ☒ Amends disclosure submitted on 5/12/2015		4. Surface Hole Location: Unit:N Lot:N Section:33 Township:23S Range:33E Feet from:355 N/S Line:S Feet from:1525 E/W Line:W				
		5. Bottom Hole Location: Unit:N Lot:N Section:33 Township:23S Range:33E Feet from:355 N/S Line:S Feet from:1525 E/W Line:W				
		6. Istitude: 32.2674883404543 longitude: -103.580825980171				
		7. County: Lea				
8. Operator Name and Address: DEVON ENERGY PRODUCTION COMPANY, LP 333 W. Sheridan Avenue Oklahoma City 73102		9. OGRID: 6137	10. Phone Number: 405-228-8588			
11. Last Fracture Date: 4/28/2015 Frac Performed by: FTSI		12. Production Type: O				
13. Pool Code(s): 96193		14. Gross Fractured Interval: 8,863 ft to 12,843 ft				
15. True Vertical Depth (TVD): 8,733 ft		16. Total Volume of Fluid Pumped: 4,381,412 gals				
17. Total Volume of Re-Use Water Pumped: N/A		18. Percent of Re-Use Water in Fluid Pumped: Not Disclosed				
19. 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)
Fresh Water	Operator	Base Fluid	Fresh Water	7732-18-5	100%	85.09003%
HYDROCHLORIC ACID	Halliburton	Base Fluid	Hydrochloric acid	7647-01-0	60%	0.3008002%
BE-9, CL-22 UC, CL-31 Crosslinker, Cla-Web(TM), FR	Halliburton	Additive, Biocide, Breaker, Concentrate, Conductivity Enhancer, Crosslinker, Friction Reducer, Gelli	Acrylate polymer	Confidential	1%	0.0004301%
			Alcohols ethoxylated	Confidential	5%	0.0015041%
			Alkane	Confidential	1%	0.0008485%
			Amide	Confidential	5%	0.0015041%
			Amine salts	Confidential	0.1%	0.0001025%
			Ammonium chloride	12125-02-9	5%	0.0015041%
			Ammonium persulfate	7727-54-0	100%	0.0046573%
			Ammonium salt	Confidential	60%	0.0307411%
			Bentonite, benzy/(hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	5%	0.0041266%
			Borate salts	Confidential	60%	0.0258072%
			Complex alkylamine	Confidential	5%	0.0042427%
			Crystalline silica, quartz	14808-60-7	100%	14.0157709%
			Crystalline Silica, Quartz	14808-60-7	0.1%	8.25E-05%
			Cured acrylic resin	Confidential	30%	0.0013972%
			Dipropylene glycol monomethyl ether	34590-94-8	60%	0.0116872%
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0.01%	8.5E-06%
			Glycerine	56-81-5	10%	0.0084855%
			Guar gum	9000-30-0	100%	0.0825312%
			Heavy aromatic petroleum naphtha	64742-94-5	10%	0.0019479%
			Hydrogen peroxide	7722-84-1	0.01%	8.5E-06%
			Hydrotreated light petroleum distillate	64742-47-8	30%	0.0090246%
			Methanol	67-56-1	1%	0.0001948%
			Naphthalene	91-20-3	0.01%	1.9E-06%
			Nitrotriacetic acid, trisodium salt monohydrate	5064-31-3	0.01%	8.5E-06%
			Poly(oxy-1,2-ethanediyl), alpha.-isodecyl- omega.-hydroxy-	61827-42-7	30%	0.0254565%
			Polyacrylamide copolymer	Confidential	30%	0.0090246%
			Potassium formate	590-29-4	60%	0.0258072%
			Potassium hydroxide	1310-58-3	5%	0.0008689%
			Potassium metaborate	13709-94-9	60%	0.0104263%
			Quaternary amine	Confidential	5%	0.0031253%
			Quaternary ammonium compound	Confidential	10%	0.0019479%
			Silica gel	112926-00-8	1%	0.0008253%
			Sodium bicarbonate	144-55-8	0.01%	8.5E-06%
			Sodium carboxymethyl cellulose	9004-32-4	1%	0.0004301%
			Sodium chloride	7647-14-5	5%	0.0046691%
			Sodium glycolate	2836-32-0	1%	0.0004386%
			Sodium hydroxide	1310-73-2	30%	0.0052018%
			Sodium perborate tetrahydrate	10486-00-7	100%	0.0033882%
			Sodium persulfate	7775-27-1	100%	0.0007452%
			Sodium sulfate	7757-82-6	0.1%	7E-07%
			Sorbitan monooleate	9005-65-6	1%	0.0003008%
			polyoxyethylene derivative			
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	1%	0.0003008%
			Surfactant mixture	Confidential	1%	0.0016506%
			Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.0039632%
			Water	7732-18-5	100%	0.7154469%
20. 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: Sara Cook		Title: Regulatory Associate		
Date: 5/12/2015						
E-mail Address: sara.cook@dvn.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.