

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 6, 2013				
		1. WELL API NO: 30-025-41896				
		2. Well Name: THISTLE UNIT #051H				
		3. Well Number: 051H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☐ Original ☒ Amends disclosure submitted on 1/8/2015		4. Surface Hole Location: Unit:D Lot:D Section:28 Township:23S Range:33E Feet from:200 N/S Line:N Feet from:430 E/W Line:W				
		5. Bottom Hole Location: Unit:D Lot:D Section:28 Township:23S Range:33E Feet from:200 N/S Line:N Feet from:430 E/W Line:W				
		6. latitude: 32.2824230537081 longitude: -103.584399744996				
		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: 12/14/2014 Frac Performed by: Schlumberger		12. Production Type: O				
13. Pool Code(s): 59900		14. Gross Fractured Interval: Confidential				
15. True Vertical Depth (TVD): 15,733 ft		16. Total Volume of Fluid Pumped: 4,843,470 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)
15% HCl, YF125, Slickwater	Schlumberger	Acid Corrosion Inhibitor A286, Activator , Bactericide (Myacide GA25), Friction Reducer, Surfactant	Water (Including Mix Water Supplied by Client)*	NA	0%	85.14383%
			Crystalline silica	14808-60-7	85.64814%	12.72404%
			Ceramic materials and wares, chemicals	66402-68-4	11.70155%	1.7384%
			Hydrochloric acid	7647-01-0	0.82179%	0.12209%
			Guar gum	9000-30-0	0.67181%	0.09981%
			Ethylene Glycol	107-21-1	0.291%	0.04323%
			Diammonium peroxidisulphate	7727-54-0	0.12984%	0.01929%
			2-hydroxy-N,N,N-trimethylethanaminium chloride	67-48-1	0.12007%	0.01784%
			Glutaraldehyde	111-30-8	0.07165%	0.01064%
			Polyethylene glycol monohexyl ether	31726-34-8	0.06681%	0.00993%
			Distillates (petroleum), hydrotreated light	64742-47-8	0.05644%	0.00838%
			Acrylamide/ammonium acrylate copolymer	26100-47-0	0.043%	0.00639%
			Sodium hydroxide	1310-73-2	0.04223%	0.00627%
			Gum, xanthan	11138-66-2	0.04156%	0.00617%
			Ammonium chloride	12125-02-9	0.02687%	0.00399%
			Sodium tetraborate	1330-43-4	0.02861%	0.00395%
			Propan-2-ol	67-63-0	0.01667%	0.00248%
			Alcohol, C7-9-Iso, C8, ethoxylated	78330-19-5	0.01314%	0.00195%
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	0.01158%	0.00172%
			Sorbitan monooleate	1338-43-8	0.00537%	0.0008%
			Ethoxylated oleic acid	9004-96-0	0.00537%	0.0008%
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00278%	0.00041%
			Non-crystalline silica (impurity)	7631-86-9	0.00168%	0.00025%
			Sorbitol Tetraoleate	61723-83-9	0.00161%	0.00024%
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.00142%	0.00021%
			Sodium sulfocyanate	540-72-7	0.0014%	0.00021%
			2-Propenoic acid, ammonium salt	10604-69-0	0.00132%	0.0002%
			Alcohols, C10-C16, ethoxylated	68002-97-1	0.00107%	0.00016%
			Alcohols, C12-C14, ethoxylated	68439-50-9	0.00081%	0.00012%
			C14 alpha olefin ethoxylate	84133-50-6	0.00081%	0.00012%
			Fatty acid, tall-oil reaction products with acetophenone	68188-40-9	0.00073%	0.00011%
			Isodecanol w/6-7 Moles Ethylene Oxide	26183-52-8	0.00041%	6E-05%
			Magnesium silicate hydrate (talc)	14807-96-6	0.00035%	5E-05%
			Cinnamaldehyde	104-55-2	0.00027%	4E-05%
			2-propenamid	79-06-1	0.00024%	4E-05%
			poly(tetrafluoroethylene)	9002-84-0	0.00015%	2E-05%
			Amines, tallow alkyl, ethoxylated	61791-26-2	8E-05%	1E-05%
			Dodecyl poly(oxyethylene) ether	9002-92-0	3E-05%	1E-05%
			Glycols, polyethylene, monotetradecyl ether	27306-79-2	2E-05%	1E-05%
			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: 1/8/2015						
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.