

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: 30-015-42618						
		2. Well Name: ARCTURUS 18 FEDERAL #007H						
		3. Well Number: 007H						
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:L Lot:L Section:17 Township:19S Range:31E Feet from:2080 N/S Line:S Feet from:20 E/W Line:W						
		5. Bottom Hole Location: Unit:L Lot:L Section:17 Township:19S Range:31E Feet from:2080 N/S Line:S Feet from:20 E/W Line:W						
		6. latitude: longitude: 32.6588783 -103.9000473						
		7. County: Eddy						
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: 7/7/2015 Frac Performed by: Schlumberger			12. Production Type: O					
13. Pool Code(s): 97020			14. Gross Fractured Interval: Confidential					
15. True Vertical Depth (TVD): 7,825 ft			16. Total Volume of Fluid Pumped: 34,257,723 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)		
Slickwater, HCL 15%, YF100FlexD	Schlumberger	Acid Corrosion Inhibitor, Surfactant, Acid, Breaker, Gelling Agent, Crosslinker, Friction Reducer, I	Water (Including Mix Water Supplied by Client)*	NA	0%	80.73795%		
			Urea	57-13-6	0.00076%	0.00015%		
			Tetrasodium ethylenediaminetetraacetate	64-02-8	2E-05%	0%		
			Propan-2-ol	67-63-0	0.00378%	0.00073%		
			2-Propenamid (impurity)	79-06-1	4E-05%	1E-05%		
			Cinnamaldehyde	104-55-2	0.00047%	9E-05%		
			Ethylene Glycol	107-21-1	0.19572%	0.0377%		
			Fumaric acid	110-17-8	0.00889%	0.00171%		
			Dodecamethylcyclohexasiloxane	540-97-6	0%	0%		
			Decamethyl cyclopentasiloxane	541-02-6	0%	0%		
			Octamethylcyclotetrasiloxane	556-67-2	0%	0%		
			Sodium hydroxide	1310-73-2	0.14339%	0.02762%		
			Boronatrocaltite	1319-33-1	0.33806%	0.06512%		
			Sodium tetraborate	1330-43-4	0.02847%	0.00548%		
			Decyl-dimethyl amine oxide	2605-79-0	0.00132%	0.00025%		
			Sodium erythorbate	6381-77-7	0.00497%	0.00096%		
			Non-crystalline silica (impurity)	7631-86-9	0.00216%	0.00042%		
			Hydrochloric acid	7647-01-0	0.72458%	0.13957%		
			Monosodium fumarate	7704-73-6	0.00889%	0.00171%		
			Diammonium peroxidisulphate	7727-54-0	0.07852%	0.01513%		
			Sodium sulfate	7757-82-6	0.00018%	3E-05%		
			Copper(II) sulfate	7758-98-7	0%	0%		
			Ammonium sulfate	7783-20-2	0.01569%	0.00302%		
			Guar gum	9000-30-0	0.79953%	0.15401%		
			poly(tetrafluoroethylene)	9002-84-0	0.00015%	3E-05%		
			Dodecyl poly(oxyethylene) ether	9002-92-0	6E-05%	1E-05%		
			Boric acid	10043-35-3	0.0089%	0.00171%		
			Magnesium silicate hydrate (talc)	14807-96-6	0.00035%	7E-05%		
			Quartz, Crystalline silica	14808-60-7	97.56453%	18.79293%		
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	0.01157%	0.00223%		
			Isodecanol w/6-7 Moles Ethylene Oxide	26183-52-8	0.00072%	0.00014%		
			2-Ethylhexanol ethoxylate	26468-86-0	0.04085%	0.00787%		
			Glycols, polyethylene, monotetradecyl ether	27306-79-2	4E-05%	1E-05%		
			Acrylamide, 2-acrylamido-2-methylpropanesulfonic acid, sodium salt polymer	38193-60-1	0.01158%	0.00223%		
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.0016%	0.00031%		
			Amines, tallow alkyl, ethoxylated	61791-26-2	0.00014%	3E-05%		
			Dimethyl siloxanes and silicones	63148-62-9	1E-05%	0%		
			Siloxanes and silicones, dimethyl, reaction products with silica	67762-90-7	0%	0%		
			Fatty acid, tall-oil reaction products with acetophenone	68188-40-9	0.00129%	0.00025%		
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.00107%	0.00021%		
			Diutan gum	125005-87-0	0.00044%	9E-05%		
			Polymer of 2-acrylamido-2-methylpropanesulfonic acid sodium salt and methyl acrylate	136793-29-8	0.00124%	0.00024%		
			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: Rebecca Deal		Title: Regulatory Professional	
			Date: 3/3/2016					
E-mail Address: rebecca.deal@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.