

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. 30-015-38433							
		2. Well Name: COTTON DRAW UNIT #161H							
		3. Well Number: 161H							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:D Lot:4 Section:2 Township:25S Range:31E Feet from:200 N/S Line:N Feet from:440 E/W Line:W							
		5. Bottom Hole Location: Unit:D Lot:4 Section:2 Township:25S Range:31E Feet from:200 N/S Line:N Feet from:440 E/W Line:W							
		6. Latitude: 32.1661365154768 Longitude: - 103.755779494971							
		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: 2/23/2012 Frac Performed by: Baker Hughes			12. Production Type: O						
13. Pool Code(s): 96757			14. Gross Fractured Interval: 8,501 ft to 12,732 ft						
15. True Vertical Depth (TVD): 8,246 ft			16. Total Volume of Fluid Pumped: 26,412 bbls						
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)			
Water	Operator	Carrier	Water	7732-18-5	100%	81.49512%			
HCl, 5.1 - 7.5%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	7.5%	0.0575%			
Alpha 125	Baker Hughes	Biocide	Glutaraldehyde	111-30-8	30%	0.00761%			
Enzyme G-I	Baker Hughes	Breaker	Hemicellulase Enzyme Concentrate	9025-56-3	3%	0.00216%			
High Perm CRB	Baker Hughes	Breaker	Ammonium Persulphate	7727-54-0	60%	0.00449%			
			Crystalline Silica Quartz	14808-60-7	30%	0.00225%			
GBW-33D	Baker Hughes	Breaker	Hemicellulase Enzyme Concentrate	Trade Secret	100%	0.00026%			
BC-3	Baker Hughes	Breaker Catalyst	No Hazardous Ingredients	Trade Secret	100%	0.00258%			
BF-9L, 55 gal drum	Baker Hughes	Buffer	Potassium Carbonate	584-08-7	60%	0.09953%			
ClayCare, tote	Baker Hughes	Clay Control	Potassium Hydroxide	1310-58-3	30%	0.04976%			
			Choline Chloride	67-48-1	75%	0.077%			
Clay Master-5C	Baker Hughes	Clay Control	Water	7732-18-5	30%	0.0308%			
			Oxyakylated Amine Quat	138879-94-4	60%	0.00031%			
CI-27	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret	30%	0.00035%			
			Methanol	67-56-1	60%	0.00071%			
			Olefin	Trade Secret	5%	6E-05%			
			Polyoxyalkylenes	Trade Secret	30%	0.00035%			
XLW-4	Baker Hughes	Crosslinker	Propargyl Alcohol	107-19-7	10%	0.00012%			
			Sodium Borate Decahydrate	1303-96-4	30%	0.01317%			
XLW-30AG, tote	Baker Hughes	Crosslinker	Hydrotreated Light Distillate	64742-47-8	70%	0.02882%			
GW-4LDF	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	40%	0.27674%			
			Petroleum Distillates Blend	Trade Secret	70%	0.4843%			
AG-12	Baker Hughes	Gelling Agent	Acrylic Polymers	26006-22-4	60%	0.00076%			
			Distillates, Petroleum, Hydrotreated Middle	64742-47-8	30%	0.00038%			
			Nonylphenol Ethoxylate	64742-46-7	5%	6E-05%			
Ferrotrol 280L	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.00388%			
			Ammonium Hydroxide	1336-21-6	5%	0.00019%			
			Cupric Chloride	7447-39-4	5%	0.00019%			
NE-945, tote	Baker Hughes	Non-emulsifier	Oxyalkylated alcohol	Trade Secret	5%	0.00463%			
Sand, White, 20/40	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	12.2312%			
Sand, White, 100 mesh	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	0.51404%			
Super LC, 20/40	Baker Hughes	Proppant	Hexamethylenetetramine	1009-7-0	0.01%	0.00037%			
			P/F Resin	9003-35-4	5%	0.18413%			
			Silicon Dioxide (Silica Sand)	14808-60-7	97%	3.57203%			
Scaletrol 720	Baker Hughes	Scale Inhibitor	Calcium Chloride	10043-52-4	5%	0.00181%			
			Ethylene Glycol	107-21-1	30%	0.01088%			
InFlo 250W	Baker Hughes	Surfactant	2-Butoxyethanol	111-76-2	5%	0.00272%			
			Methanol	67-56-1	30%	0.01633%			
			Surfactants	Trade Secret	80%	0.04355%			
Additional Ingredients			85% Phosphoric Acid, FG	10361-65-6	0%	0%			
			Acetyl Triethyl Citrate	77-89-4	0%	0%			
			Alkoxyated Amine	Trade Secret	0%	0%			
			Alkylen Oxide Block Polymer	Trade Secret	0%	0%			
			Antifoam	Trade Secret	0%	0%			
			Boric Acid	10043-35-3	0%	0%			
			Boric Anhydride	1303-86-2	0%	0%			
			Calcium Carbonate	471-34-1	0%	0%			
			Calcium Chloride	10043-52-4	0%	0%			
			Corn Meal	N.A.	0%	0%			
			Crystalline Silica	14808-60-7	0%	0%			
			Cupric Sulfate 5 H2O, ACS	7758-99-8	0%	0%			
			Cured Acrylic Resin	Trade Secret	0%	0%			
			D-Biotin ,USP	119616-38-5	0%	0%			
			Ethylene Glycol	111-76-2	0%	0%			
			Monobutyl Ether						
			Ferric Chloride, Hexahydrate	7705-08-0	0%	0%			
			Formaldehyde	50-00-0	0%	0%			
			Glycerin	56-81-5	0%	0%			
			Linseed Meal	8001-26-1	0%	0%			
			Magnesium Sulfate	7487-88-9	0%	0%			
			Mannan Endo-1,4-B-Mannosidase	37288-54-3	0%	0%			
			Methanol	67-56-1	0%	0%			
			Modified Thiourea Polymer	68527-49-1	0%	0%			
			Organic Sulfonic Acid	27176-87-0	0%	0%			
			Poly (oxy-1,2-ethanediyl)	24938-91-8	0%	0%			
			Polyacrylate	Trade Secret	0%	0%			
			Polyethylene Glycol	25322-68-3	0%	0%			
			Polyglycol	25322-68-3	0%	0%			
			Polyquaternary Amine	Trade Secret	0%	0%			
			Potassium Chloride	7447-40-7	0%	0%			
			Potassium Sulfate	7778-80-5	0%	0%			
			Quaternary Ammonium Compounds bis [Hydrogenated Tallow Alkyl] Dimethyl Salts With Bentonite	68953-58-2	0%	0%			
			Sodium Chloride	7647-14-5	0%	0%			
			Sodium Molybdate	7631-95-0	0%	0%			
			Sodium Tetraborate	1330-43-4	0%	0%			
			Soy Isoflavone	486-66-8	0%	0%			
			Thiamine-HCl	67-03-8	0%	0%			
			Water	7732-18-5	0%	0%			
			Yeast Extract	8013-01-2	0%	0%			
			Zinc Sulfate Heptahydrate	7446-19-7	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: Derek Berg Title: Engineering Technician						
			Date: 11/6/2012						
			E-mail Address: derek.berg@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.						