

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. 30-015-38534							
		2. Well Name: COTTON DRAW UNIT #136H							
		3. Well Number: 136H							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:N Lot:N Section:2 Township:25S Range:31E Feet from:200 N/S Line:S Feet from:1650 E/W Line:W							
		5. Bottom Hole Location: Unit:N Lot:N Section:2 Township:25S Range:31E Feet from:200 N/S Line:S Feet from:1650 E/W Line:W							
		6. Latitude: 32.1526987984525 longitude: - 103.751886548596							
		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: 1/27/2012 Frac Performed by: Baker Hughes		12. Production Type: O							
13. Pool Code(s): 96641		14. Gross Fractured Interval: 9,338 ft to 16,444 ft							
15. True Vertical Depth (TVD): 9,140 ft		16. Total Volume of Fluid Pumped: 99,445 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%	88.09344%			
HCl, 5.1 - 7.5%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	7.5%	0.14673%			
			Water	7732-18-5	92.5%	1.80969%			
Alpha 125	Baker Hughes	Biocide	Glutaraldehyde	111-30-8	30%	0.00651%			
High Perm CRB	Baker Hughes	Breaker	Ammonium Persulphate	7727-54-0	100%	0.00264%			
			Crystalline Silica Quartz	14808-60-7	15%	0.0004%			
GBW-18	Baker Hughes	Breaker	Sodium Persulfate	7775-27-1	100%	0.00276%			
Clay Master-5C	Baker Hughes	Clay Control	Oxyakylated Amine Quat	138879-94-4	60%	0.00122%			
CI-27	Baker Hughes	Corrosion Inhibitor	Alkenes^ C>10 Alpha-	64743-02-8	5%	0.00019%			
			Ethoxylated Alcohols^ C14-15	68951-67-7	30%	0.00115%			
			Methanol	67-56-1	60%	0.0023%			
			Propargyl Alcohol	107-19-7	10%	0.00038%			
			Tall Oil Acid	61790-12-3	30%	0.00115%			
			Thiourea Polymer	68527-49-1	30%	0.00115%			
XLW-10A	Baker Hughes	Crosslinker	Ethylene Glycol	107-21-1	40%	0.03744%			
			Sodium Hydroxide	1310-73-2	10%	0.00936%			
			Sodium Tetraborate	1303-96-4	30%	0.02808%			
FRW-14 (Tote)	Baker Hughes	Friction Reducer	No Hazardous Ingredients	Trade Secret	100%	0.00162%			
FRW-14 (Small Tote)	Baker Hughes	Friction Reducer	No Hazardous Ingredients	Trade Secret	100%	0.02441%			
GW-4LDF	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	40%	0.08828%			
			Petroleum Distillates Blend	Trade Secret	70%	0.15449%			
AG-12	Baker Hughes	Gelling Agent	Acrylic Polymers	26006-22-4	60%	0.00138%			
			Distillates, Petroleum, Hydrotreated Middle	64742-47-8	30%	0.00069%			
			Nonylphenol Ethoxylate	64742-46-7	5%	0.00012%			
Ferrotrol 280L	Baker Hughes	Iron Control	Ammonium Hydroxide	1336-21-6	5%	0.00036%			
			Cupric Chloride	10125-13-0	5%	0.00036%			
			Thioglycol	60-24-2	100%	0.00729%			
NE-945, tote	Baker Hughes	Non-emulsifier	Oxyalkylated alcohol	Trade Secret	5%	0.00022%			
Sand, White, 20/40	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	6.338%			
Sand, White, 30/50	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	2.38787%			
Sand, White, 40/70	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	0.35869%			
Sand, White, 100 mesh	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	0.35219%			
Scaletrol 720	Baker Hughes	Scale Inhibitor	Diethylene Glycol	111-46-6	5%	0.00043%			
			Ethylene Glycol	107-21-1	45%	0.00387%			
ScaleSorb 3, (50# bag)	Baker Hughes	Scale Inhibitor	Amino Tri (Methylene Phosphonic Acid)	6419-19-8	30%	0.00478%			
			Calcined Diatomaceous Earth	91053-39-3	100%	0.01594%			
			Crystalline Silica Quartz	14808-60-7	1%	0.00016%			
			Phosphonic Acid	13598-36-2	1%	0.00016%			
ES-4A, Greenskeeper Solvent	Baker Hughes	Solvent	Petroleum Distillates Blend	Trade Secret	100%	0.00405%			
Flo-Back Prime (tote)	Baker Hughes	Surfactant	Essential Oils	Trade Secret	100%	0.05503%			
			Secondary Alcohol	Trade Secret	100%	0.05503%			
Additional Ingredients			2-Propenoic, Polymer with Sodium Phosphinate, Sodium Salt	71050-62-9	0%	0%			
			Aliphatic Hydrocarbon	Trade Secret	0%	0%			
			Calcium Chloride	10043-52-4	0%	0%			
			Citrus Terpenes	94266-47-4	0%	0%			
			Crystalline Silica	14808-60-7	0%	0%			
			Cured Acrylic Resin	Trade Secret	0%	0%			
			Ethylene Glycol Monobutyl Ether	111-76-2	0%	0%			
			Formaldehyde	50-00-0	0%	0%			
			Isopropanol	67-63-0	0%	0%			
			Methanol	67-56-1	0%	0%			
			Organic Polyol	112-27-6	0%	0%			
			Oxyalkylated Alcohol	Trade Secret	0%	0%			
			Poly (oxy-1,2-ethanediyl)	24938-91-8	0%	0%			
			Polyglycol Ester	Trade Secret	0%	0%			
			Polyol Ester	Trade Secret	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 Tetraborate	1330-43-4	0%	0%			
			Surfactants	Trade Secret	0%	0%			
			Vinyl Copolymer	Trade Secret	0%	0%			
			Water	7732-18-5	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@dnv.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.