

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: 30-025-40584				
		2. Well Name: COTTON DRAW UNIT #157				
		3. Well Number: 157				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:M Lot:4 Section:18 Township:25S Range:32E Feet from:330 N/S Line:N Feet from:660 E/W Line:W				
		5. Bottom Hole Location: Unit:M Lot:4 Section:18 Township:25S Range:32E Feet from:330 N/S Line:N Feet from:660 E/W Line:W				
		6. Latitude: 32.1366236496445 Longitude: - 103.720895124983				
		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: 2/16/2013 Frac Performed by: BHI		12. Production Type: O				
13. Pool Code(s): 49460		14. Gross Fractured Interval: 8,730 ft to 12,652 ft				
15. True Vertical Depth (TVD): 8,322 ft		16. Total Volume of Fluid Pumped: 27,909 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%	90.664%
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.12107%
			Water	7732-18-5	85%	0.68606%
HCl, 5.1 - 7.5%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	7.5%	0.09108%
			Water	7732-18-5	92.5%	1.12329%
GBW-5	Baker Hughes	Breaker	Ammonium Phosphate	7727-54-0	100%	0.00232%
Enzyme G-I	Baker Hughes	Breaker	Hemicellulase Enzyme Concentrate	9025-56-3	3%	0.00357%
			Water	7732-18-5	97%	0.11531%
High Perm CRB	Baker Hughes	Breaker	Ammonium Persulphate	7727-54-0	60%	0.00271%
			Crystalline Silica Quartz	14808-60-7	30%	0.00135%
GBW-33D	Baker Hughes	Breaker	Hemicellulase Enzyme Concentrate	Trade Secret	100%	0.00046%
BF-9L, 300 gal tote	Baker Hughes	Buffer	Potassium Carbonate	584-08-7	60%	0.03711%
			Potassium Hydroxide	1310-58-3	30%	0.01856%
BF-9L, 55 gal drum	Baker Hughes	Buffer	Potassium Carbonate	584-08-7	60%	0.11202%
			Potassium Hydroxide	1310-58-3	30%	0.05601%
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.08936%
			Water	7732-18-5	30%	0.03575%
Clay Master-5C	Baker Hughes	Clay Control	Oxyalkylated Amine Quat	138879-94-4	60%	0.00093%
CI-27	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret	30%	0.00112%
			Methanol	67-56-1	60%	0.00223%
			Olefin	Trade Secret	5%	0.00019%
			Polyoxyalkylenes	Trade Secret	30%	0.00112%
			Propargyl Alcohol	107-19-7	10%	0.00037%
XLW-4	Baker Hughes	Crosslinker	Sodium Borate Decahydrate	1303-96-4	30%	0.01295%
XLW-30G, tote	Baker Hughes	Crosslinker	Borate Suspension	Trade Secret	99.8%	0.08197%
			Crystalline Silica Quartz	14808-60-7	0.2%	0.00016%
MaxPerm-20A, 265 gallon tote	Baker Hughes	Friction Reducer	Aliphatic Hydrocarbon	Trade Secret	30%	0.00599%
			Oxyalkylated Alcohol	Trade Secret	5%	0.0001%
GW-4LDF	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	60%	0.45644%
			Paraffinic Petroleum Distillate	64742-55-8	60%	0.45644%
			Petroleum Distillate	64742-47-8	60%	0.45644%
AG-12	Baker Hughes	Gelling Agent	Acrylic Polymers	26006-22-4	50%	0.00063%
			Distillates, Petroleum, Hydroreated Middle	64742-47-8	21.1%	0.00026%
Ferrotrol 280L	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.00707%
			Ammonium Hydroxide	1336-21-6	5%	0.00035%
			Cupric Chloride	7447-39-4	5%	0.00035%
NE-945, tote	Baker Hughes	Non-emulsifier	Oxyalkylated alcohol	Trade Secret		9E-05%
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Mixture of Surfactants	Trade Secret	50%	0.05462%
Sand, White, 20/40	Baker Hughes	Proppant	Propylene Glycol	57-55-6	30%	0.03277%
			Crystalline Silica (Quartz)	14808-60-7	100%	0.90792%
Sand, White, 40/70	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	1.82545%
Sand, White, 100 mesh	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	0.98703%
Super LC, 20/40	Baker Hughes	Proppant	Hexamethylenetetramine	1009-7-0	0.01%	0.00013%
			P/F Resin	9003-35-4	5%	0.06275%
			Silicon Dioxide (Silica Sand)	14808-60-7	97%	1.21729%
Scaletrol 720	Baker Hughes	Scale Inhibitor	Calcium Chloride	10043-52-4	5%	0.00189%
			Ethylene Glycol	107-21-1	30%	0.01132%
InFlo 250G, 330 gl tote	Baker Hughes	Surfactant	Methanol	67-56-1	30%	0.01562%
			Mixture of Surfactants	Trade Secret	50%	0.02603%
			Water	7732-18-5	30%	0.01562%
Ingredients shown above are subject to 29 CFR 1910			85% Phosphoric Acid, FG	10361-65-6	0%	0%
			Alkoxyated Amine	Trade Secret	0%	0.0001893%
			Alkyene Oxide Block Polymer	Trade Secret	0%	0.0002159%
			Anionic Terpolymer	Trade Secret	0%	0.0119787%
			Antifoam	Trade Secret	0%	4E-07%
			Bonic Acid	10043-35-3	0%	0%
			Calcium Carbonate	471-34-1	0%	3.25E-05%
			Calcium Chloride	10043-52-4	0%	1E-07%
			Corn Meal	N/A	0%	0.000385%
			Cupric Sulfate 5 H2O, ACS	7758-99-8	0%	0%
			Cured Acrylic Resin	Trade Secret	0%	0.0013525%
			D-Biotin, USP	119616-38-5	0%	0%
			EDTA	64-02-8	0%	1E-05%
			Fatty Acid Esters	67701-32-0	0%	2.38E-05%
			Fatty Acid Oxyalkylate	70142-34-6	0%	2.5E-06%
			Ferric Chloride, Hexahydrate	7705-08-0	0%	0%
			Formaldehyde	50-00-0	0%	1.88E-05%
			Glycerin	56-81-5	0%	0%
			Inorganic Salt	7647-14-5	0%	0.0009982%
			Linseed Meal	8001-26-1	0%	4.64E-05%
			Magnesium Sulfate	7487-88-9	0%	0%
			Mannan Endo-1,4-B-Mannosidase	37288-54-3	0%	5E-07%
			Modified Thiourea Polymer	68527-49-1	0%	0.0004094%
			Organic Sulfonic Acid	27176-87-0	0%	3.8E-06%
			Oxyalkylated Allylphenol	9016-45-9	0%	2.20E-05%
			Oxyalkylated Fatty Acid Derivative	Trade Secret	0%	0.0009982%
			Polycrylate	Trade Secret	0%	0.0075475%
			Polyethylene Glycol	25322-68-3	0%	0%
			Polyglycol	25322-68-3	0%	3.8E-05%
			Polyol Ester	Trade Secret	0%	0.0009982%
			Potquaternary Amine	Trade Secret	0%	2.27E-05%
			Potassium Chloride	7447-40-7	0%	1.89E-05%
			Potassium Sulfate	7778-80-5	0%	0%
			Sodium Chloride	7647-14-5	0%	4.38E-05%
			Sodium Polybdate	7631-95-0	0%	0%
			Soy Isoflavone	486-66-8	0%	0%
			Thiamine-HCl	67-03-8	0%	0%
			Water	7732-18-5	0%	0.1700885%
			Xylene	1330-20-7	0%	7.5E-06%
			Yeast Extract	8013-01-2	0%	0%
			Zinc Sulfate	7446-19-7	0%	0%
			Heptahydrate diester of sulfosuccinic acid sodium salt	2673-22-5	0%	6.3E-06%

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: 6/3/2013

E-mail Address: derek.berg@dvn.com

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