

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							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		1. WELL API NO. 30-015-42514							
		2. Well Name: COTTON DRAW UNIT #221H							
		3. Well Number: 221H							
		4. Surface Hole Location: Unit:N Lot:N Section:1 Township:25S Range:31E Feet from:170 N/S Line:S Feet from:1460 E/W Line:W							
		5. Bottom Hole Location: Unit:N Lot:N Section:1 Township:25S Range:31E Feet from:170 N/S Line:S Feet from:1460 E/W Line:W							
		6. latitude: 32.1525062566456 longitude: -103.73540000878							
		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: 4/5/2015 Frac Performed by: Halliburton		12. Production Type: O							
13. Pool Code(s): 96641		14. Gross Fractured Interval: 10,526 ft to 14,874 ft							
15. True Vertical Depth (TVD): 10,415 ft		16. Total Volume of Fluid Pumped: 4,706,736 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)			
Fresh Water	Operator	Base Fluid	Fresh Water	7732-18-5	100%	55.9330521%			
Lease Water	Operator	Base Fluid	Lease Water	NA	100%	28.98172%			
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	11.1252766%			
100 Mesh	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	2.4629903%			
FE Acid < 10%	Halliburton	Acid	Hydrochloric acid	7647-01-0	100%	1.2291937%			
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.0524116%			
PermVis VFR-10	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30%	0.0206038%			
			Alcohols, C12-16, ethoxylated	68551-12-2	10%	0.0068679%			
			Ammonium chloride	12125-02-9	10%	0.0068679%			
			9-Octadecenamide, n,n-bis-2 (hydroxy-ethyl)-, (Z)	93-83-4	5%	0.003434%			
LOSURF-360W	Halliburton	Surfactant	Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-.omega.-hydroxy-	61827-42-7	30%	0.0236486%			
			Glycerine	56-81-5	10%	0.0078829%			
			Complex alkylamine	Confidential	5%	0.0039414%			
CL-22 UC	Halliburton	Crosslinker	Potassium formate	590-29-4	60%	0.0096226%			
Cia-Web(TM)	Halliburton	Additive	Ammonium salt	Confidential	60%	0.009274%			
SandWedge(R) NT	Halliburton	Conductivity Enhancer	Dipropylene glycol monomethyl ether	34590-94-8	60%	0.0065579%			
			Heavy aromatic petroleum naphtha	64742-94-5	10%	0.001093%			
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium metaborate	13709-94-9	60%	0.0069598%			
			Potassium hydroxide	1310-58-3	5%	0.00058%			
OptiKleen-WF(TM)	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.0070513%			
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.0020598%			
			Crystalline silica, quartz	14808-60-7	30%	0.000618%			
			Sodium hydroxide	1310-73-2	30%	0.0013059%			
MO-67	Halliburton	pH Control Additive							
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00036%			
Ingredients Listed Below This Line Are Part of the			Water	7732-18-5	0%	0.1043361%			
			Polyacrylate	Confidential	0%	0.0446416%			
			Water	7732-18-5	0%	0.0206038%			
			Borate salts	Confidential	0%	0.0096226%			
			Bentonite, benzyl(hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0.0026206%			
			Quaternary ammonium compound	Confidential	0%	0.001093%			
			Sodium chloride	7647-14-5	0%	0.0009767%			
			Alkane	Confidential	0%	0.0007883%			
			Quaternary amine	Confidential	0%	0.0007728%			
			Cured acrylic resin	Confidential	0%	0.000618%			
			Silica gel	112926-00-8	0%	0.0005241%			
			Surfactant mixture	Confidential	0%	0.0005241%			
			Surfactant mixture	Confidential	0%	0.0005241%			
			Sodium glycolate	2836-32-0	0%	0.0001683%			
			Acrylate polymer	Confidential	0%	0.0001604%			
			Sodium carboxymethyl cellulose	9004-32-4	0%	0.0001604%			
			Quaternary amine	Confidential	0%	0.0001546%			
			Methanol	67-56-1	0%	0.0001093%			
			Crystalline silica, quartz	14808-60-7	0%	6.84E-05%			
			Amine salts	Confidential	0%	1.55E-05%			
			Quaternary amine	Confidential	0%	1.55E-05%			
			Amine salts	Confidential	0%	1.55E-05%			
			Sodium hydroxide	1310-73-2	0%	7.9E-06%			
			Hydrogen peroxide	7722-84-1	0%	7.9E-06%			
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0%	7.9E-06%			
			Nitrotriacetic acid, trisodium salt monohydrate	5064-31-3	0%	7.9E-06%			
			Sodium bicarbonate	144-55-8	0%	7.9E-06%			
			Naphthalene	91-20-3	0%	1.1E-06%			
			Sodium sulfate	7757-82-6	0%	4E-07%			
			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: 4/13/2015						
			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.