

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: 30-015-42505					
		2. Well Name: COTTON DRAW 14 FEDERAL #004H					
		3. Well Number: 004H					
		4. Surface Hole Location: Unit:A Lot:A Section:14 Township:25S Range:31E Feet from:330 N/S Line:N Feet from:1150 E/W Line:E					
		5. Bottom Hole Location: Unit:A Lot:A Section:14 Township:25S Range:31E Feet from:330 N/S Line:N Feet from:1150 E/W Line:E					
		6. latitude: 36.4082059832112 longitude: -103.59919482753					
		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: 3/12/2015 Frac Performed by: Halliburton		12. Production Type: O					
13. Pool Code(s): 96641		14. Gross Fractured Interval: Confidential					
15. True Vertical Depth (TVD): 10,485 ft		16. Total Volume of Fluid Pumped: 5,081,712 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%	24.9549847%	
Lease Water	Operator	Base Fluid	Lease Water	NA	100%	61.5451126%	
FE Acid < 10%	Halliburton	Acid	Hydrochloric acid	7647-01-0	100%	0.9327184%	
100 Mesh	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	2.552401%	
Premium White 40/70	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	6.5530586%	
CRC - 30/50	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	3.1865203%	
			Hexamethylenetetramine	100-97-0	2%	0.0637304%	
			Phenol / formaldehyde resin	9003-35-4	5%	0.159326%	
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.006548%	
			Ethoxylated nonylphenol	Confidential	60%	0.006548%	
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.0016412%	
Cla-Web(TM)	Halliburton	Additive	Ammonium salt	Confidential	60%	0.0105081%	
CL-22 UC	Halliburton	Crosslinker	Potassium formate	590-29-4	60%	0.0134262%	
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.0006963%	
			Potassium metaborate	13709-94-9	60%	0.008356%	
D-AIR 3000L	Halliburton	Defoamer	Alkenes	Confidential	100%	0.0035426%	
			Silica, amorphous precipitated	67762-90-7	30%	0.0010628%	
PermVis VFR-10	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30%	0.0190339%	
OILPERM FMM-7	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	0.0006557%	
			Ethanol	64-17-5	60%	0.0393432%	
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.0196716%	
			Naphthalene	91-20-3	5%	0.0032786%	
			Poly(oxy-1,2-ethanedilyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.0032786%	
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.002256%	
			Crystalline silica, quartz	14808-60-7	30%	0.0006768%	
OptiKleen-WF(TM)	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.0066176%	
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.0001504%	
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.0634176%	
Ingredients Listed Below This Line Are Part of the			Acrylate polymer	Confidential	0%	0.0002238%	
			Alcohols ethoxylated	Confidential	0%	0.0031723%	
			Amide	Confidential	0%	0.0031723%	
			Amine salts	Confidential	0%	1.75E-05%	
			Amine salts	Confidential	0%	1.75E-05%	
			Ammonium chloride	12125-02-9	0%	0.0031723%	
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0.0031709%	
			Borate salts	Confidential	0%	0.0134262%	
			Crystalline silica, quartz	14808-60-7	0%	8.58E-05%	
			Cured acrylic resin	Confidential	0%	0.0006768%	
			Oxyalkylated phenolic resin	Confidential	0%	0.0065572%	
			Oxyalkylated phenolic resin	Confidential	0%	0.0196716%	
			Polyacrylamide copolymer	Confidential	0%	0.0190339%	
			Polypropylene glycol	25322-69-4	0%	0.0010628%	
			Quaternary amine	Confidential	0%	0.0008757%	
			Quaternary amine	Confidential	0%	0.0001751%	
			Quaternary amine	Confidential	0%	1.75E-05%	
			Silica gel	112926-00-8	0%	0.0006342%	
			Sodium carboxymethyl cellulose	9004-32-4	0%	0.0002238%	
			Sodium chloride	7647-14-5	0%	0.0043265%	
			Sodium glycolate	2836-32-0	0%	0.0002238%	
			Sodium sulfate	7757-82-6	0%	2E-07%	
			Sorbitan monooleate	9005-65-6	0%	0.0006345%	
			polyoxyethylene derivative				
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	0%	0.0006345%	
			Surfactant mixture	Confidential	0%	0.0006342%	
			Surfactant mixture	Confidential	0%	0.0006342%	
			Water	7732-18-5	0%	0.0691155%	
	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: 3/24/2015							
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.