

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	
		1. WELL API NO: 30-015-41385	
		2. Well Name: COTTON DRAW UNIT #167H	
		3. Well Number: 167H	
HYDRAULIC FRACTURING FLUID DISCLOSURE <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment		4. Surface Hole Location: Unit:K Lot:K Section:25 Township:24S Range:31E Feet from:2310 N/S Line:S Feet from:2200 E/W Line:W	
		5. Bottom Hole Location: Unit:K Lot:K Section:25 Township:24S Range:31E Feet from:2310 N/S Line:S Feet from:2200 E/W Line:W	
		6. Latitude: Longitude: 32.1873852217187 - 103.732912359859	
		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: 9/27/2013 Frac Performed by: SLB	12. Production Type: O	
13. Pool Code(s): 96641	14. Gross Fractured Interval: Confidential	
15. True Vertical Depth (TVD): 8,227 ft	16. Total Volume of Fluid Pumped: 3,243,192 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)
Slickwater, 15% HCl Acid, WF115, WF110	Schlumberger	Activator , Bactericide (Green-Cide 25G), Friction Reducer, Surfactant , Acid, Breaker, Gelling Agen	Water (Including Mix Water Supplied by Client)*	NA	0%	0.92%
			Crystalline silica	14808-60-7	0%	0.07%
			Hydrochloric acid	7647-01-0	0%	0%
			Phenolic resin	9003-35-4	0%	0%
			Alcohol, C7-9-iso, C8, ethoxylated	78330-19-5	0%	0%
			Guar gum	9000-30-0	0%	0%
			Propan-2-ol	67-63-0	0%	0%
			Methanol	67-56-1	0%	0%
			Distillates (petroleum), hydrotreated light	64742-47-8	0%	0%
			Acrylamide/ammonium acrylate copolymer	26100-47-0	0%	0%
			Glutaraldehyde	111-30-8	0%	0%
			Polyethylene glycol monohexyl ether	31726-34-8	0%	0%
			Ammonium chloride	12125-02-9	0%	0%
			Diammonium peroxidisulphate	7727-54-0	0%	0%
			Alcohol, C9-11-iso, C10, ethoxylated	78330-20-8	0%	0%
			Ethoxylated propoxylated 4-nonylphenol-formaldehyde resin	30846-35-6	0%	0%
			Heavy aromatic naphtha	64742-94-5	0%	0%
			Quaternary ammonium compounds chlorides derivatives	68989-00-4	0%	0%
			Alcohol, C11-14, ethoxylated	78330-21-9	0%	0%
			Sorbitan monooleate	1338-43-8	0%	0%
			Ethoxylated oleic acid	9004-96-0	0%	0%
			Poly(oxy-1,2-ethanediyl)	25322-68-3	0%	0%
			Sorbitol Tetraoleate	61723-83-9	0%	0%
			Sodium sulfocyanate	540-72-7	0%	0%
			2-Propenoic acid, ammonium salt	10604-69-0	0%	0%
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0%	0%
			Naphtalene (impurity)	91-20-3	0%	0%
			Alcohols, C10-C16, ethoxylated	68002-97-1	0%	0%
			C14 alpha olefin ethoxylate	84133-50-6	0%	0%
			Alcohols, C12-C14, ethoxylated	68439-50-9	0%	0%
			Alcohols, C12-C16, ethoxylated	68551-12-2	0%	0%
			2-propenamid	Ge0eral	0%	0%
			Non-crystalline silica	7631-86-9	0%	0%
			Potassium hydroxide	1310-58-3	0%	0%
† Proprietary Technology					0%	0%

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: <u>Signed Electronically</u>	Printed Name: <u>Derek Berg</u>	Title: <u>Engineering Technician</u>
Date: <u>11/11/2013</u>		
E-mail Address: <u>derek.berg@dvn.com</u>		

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.