

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. 30-025-40784				
		2. Well Name: COTTON DRAW 9L FEDERAL #002H				
		3. Well Number: 002H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:N Lot:N Section:9 Township:25S Range:32E Feet from:280 N/S Line:S Feet from:2290 E/W Line:W				
		5. Bottom Hole Location: Unit:N Lot:N Section:9 Township:25S Range:32E Feet from:280 N/S Line:S Feet from:2290 E/W Line:W				
		6. latitude: longitude: 32.1384393904672 - 103.681194547461				
		7. County: Lea				
8. Operator Name and Address: CIMAREX ENERGY CO. 600 N MARIENFELD STREET SUITE 600 MIDLAND 79701		9. OGRID: 215099		10. Phone Number:		
11. Last Fracture Date: 2/14/2013 Frac Performed by: Schlumberger		12. Production Type: O				
13. Pool Code(s): 96715		14. Gross Fractured Interval: 11,673 ft to 11,842 ft				
15. True Vertical Depth (TVD): 11,673 ft		16. Total Volume of Fluid Pumped: 42,038 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)
WF120, YF120FLEX	Schlumberger	Surfactant , Breaker, Gelling Agent, Resin Coated Sand, Propping Agent	Water (Including Mix Water Supplied by Client)*	-	0%	84.05661%
			Crystalline silica	14808-60-7	96.51%	15.37175%
			Phenolic resin	9003-35-4	1.35%	0.21462%
			Guar gum	9000-30-0	1.18%	0.18854%
			Hexamethylenetetramine	100-97-0	0.19%	0.03005%
			Diammonium peroxidisulphate	7727-54-0	0.09%	0.01399%
			Polyethylene glycol monohexyl ether	31726-34-8	0.06%	0.00985%
			Sodium chloride	7647-14-5	0.02%	0.00387%
			Alkyl-propyl betaine	61789-40-0	0.02%	0.00387%
			Polyalkyleneoxide modified heptamethyltrisiloxane	27306-78-1	0.02%	0.00387%
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	0.02%	0.00248%
			Non-crystalline silica	7631-86-9	0%	0.00052%
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0%	0.00043%
			Magnesium silicate hydrate (talc)	14807-96-6	0%	0.00013%
			Propan-2-ol	67-63-0	0%	9E-05%
			Potassium hydroxide	1310-58-3	0%	2E-05%
			HCL 15%	Petroplex	Acid	Hydrochloric Acid
Cronox AK-50	Petroplex	Corrosion Inhibitor	Oxyalkylated Alkylphenol	CBI	0%	5E-05%
			Heavy Aromatic Naptha	64742-94-5	0%	5E-05%
			Isopropanol	67-63-0	0%	5E-05%
			Fatty Acids	CBI	0%	2E-05%
			Complex Alkylaryl Poly- Ester	CBI	0%	2E-05%
			Tar Bases, Quinoline Derivatives, Benzyl Chloride-Quaternized	72480-70-7	0%	2E-05%
			Formaldehyde	50-00-0	0%	2E-05%
			Acetylenic Alcohol	CBI	0%	1E-05%
			Propargyl Alcohol	107-19-7	0%	1E-05%
			Napthalene	91-20-3	0%	1E-05%
			Citric Acid	Petroplex	Iron Control	Citric Acid
EC9546A	Petroplex	Surfactant	Heavy Aromatic Naptha	64742-94-5	0%	2E-05%
			Isopropanol	67-63-0	0%	0.0001%
			Polyethylene Glycol	25322-68.3	0%	1E-05%
			Napthalene	91-20-3	0%	0%
			Phosphoric Acid Ester	CBI	0%	2E-05%
			Oxyalkylated Alcohol	CBI	0%	2E-05%
			Oxyalkylated Alkyl Alcohol	CBI	0%	2E-05%
			Chlorine Dioxide	10049-04-4	0%	0.00017%
CIO2	Bosque	Biocide			0%	0%
					0%	0%
					0%	0%
					0%	0%
					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: Skipper Herring		Manager Stimulation		
Date: 4/11/2013				Title: Operations		
E-mail Address: sherring@cimarex.com						
NMOCDD does not require the reporting of information beyond MSDS data as described in 29 CFR 1910.1200. NMOCDD does not require the reporting or disclosure of proprietary, trade secret or confidential business information.						