

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. 30-015-39890				
		2. Well Name: COTTONWOOD DRAW 22 FEDERAL COM #012H				
		3. Well Number: 012H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amended		4. Surface Hole Location: Unit:P Lot:P Section:22 Township:25S Range:26E Feet from:300 N/S Line:S Feet from:793 E/W Line:E				
		5. Bottom Hole Location: Unit:P Lot:P Section:22 Township:25S Range:26E Feet from:300 N/S Line:S Feet from:793 E/W Line:E				
		6. latitude: longitude: 0 0				
		7. County: Eddy				
8. Operator Name and Address: CIMAREX ENERGY CO. OF COLORADO 600 N. Marienfeld St Suite 600 Midland 79701			9. OGRID: 162683		10. Phone Number: 432-620-1938	
11. Last Fracture Date: 4/16/2012 Frac Performed by: Schlumberger			12. Production Type: O			
13. Pool Code(s): 97807			14. Gross Fractured Interval: 7,667 ft to 7,734 ft			
15. True Vertical Depth (TVD): 7,734 ft			16. Total Volume of Fluid Pumped: 30,513 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	Bactericide, Surfactant, Breaker, Additive, Gelling Agent, Crosslinker, Propping Agent	"Water (Including Mix Water Supplied by Client)*"		100%	84.89971%
			"Crystalline silica	14808-60-7	96.97%	14.64204%
			"Carbohydrate polymer	Proprietary	1.24%	0.18665%
			"Aliphatic polyol	Proprietary	0.33%	0.04933%
			"Inert fiber	Proprietary	0.21%	0.03189%
			"Potassium hydroxide	1310-58-3	0.16%	0.02467%
			"Diammonium peroxidisulphate	7727-54-0	0.1%	0.01459%
			"Polyethylene glycol monohexyl ether	31726-34-8	0.06%	0.00846%
			"Aliphatic co-polymer	Proprietary	0.04%	0.00549%
HCL 15%	Petroplex	Acid	"Glutaraldehyde	111-30-8	0.03%	0.00467%
Cronox AK-50	Petroplex	Corrosion Inhibitor	Hydrochloric Acid	7647-01-0	0.13%	0.01971%
			Oxyalkylated Alkylphenol	Trade Secret	0.0004694%	7.09E-05%
			Heavy Aromatic Naptha	64742-94-5	0.0004694%	7.09E-05%
			Isopropanol	67-63-0	0.0004694%	7.09E-05%
			Fatty Acids	Trade Secret	0.0001565%	2.36E-05%
			Complex Alkylaryl Polyo-Ester	Trade Secret	0.0001565%	2.36E-05%
			Tar Bases, Quinoline Derivatives, Benzyl Chloride-Quaternized	72480-70-7	0.0001565%	2.36E-05%
			Formaldehyde	50-00-0	0.0001565%	2.36E-05%
			Acetylenic Alcohol	Trade Secret	7.82E-05%	1.18E-05%
Citric Acid EC9546A	Petroplex	Iron Control Surfactant	Propargyl Alcohol	107-19-7	7.82E-05%	1.18E-05%
			Napthalene	91-20-3	7.82E-05%	1.18E-05%
			Citric Acid	77-92-9	0.0040478%	0.0006112%
			Heavy Aromatic Naptha	64742-94-5	0.0001506%	2.27E-05%
			Isopropanol	67-63-0	0.0009035%	0.0001364%
			Polyethylene Glycol	25322-68.3	7.53E-05%	1.14E-05%
			Napthalene	91-20-3	1.51E-05%	2E-06%
			Phosphoric Acid Ester	Trade Secret	0.0001506%	2.27E-05%
			Oxyalkylated Alcohol	Trade Secret	0.0001506%	2.27E-05%
Oxyalkylated Alkyl Alcohol	Trade Secret	0.0001506%	2.27E-05%			
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 Title: Operations						
Date: 4/28/2012						
E-mail Address: sherring@cimarex.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.