

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. 30-025-40694							
		2. Well Name: CHIEF 30 STATE #002H							
		3. Well Number: 002H							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:L Lot:3 Section:30 Township:20S Range:35E Feet from:1880 N/S Line:S Feet from:300 E/W Line:W							
		5. Bottom Hole Location: Unit:L Lot:3 Section:30 Township:20S Range:35E Feet from:1880 N/S Line:S Feet from:300 E/W Line:W							
		6. latitude: longitude: 32.5420046481281 - 103.504119725506							
		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: 10/9/2012 Frac Performed by: Halliburton		12. Production Type: O							
13. Pool Code(s): 5535		14. Gross Fractured Interval: 10,745 ft to 10,797 ft							
15. True Vertical Depth (TVD): 10,797 ft		16. Total Volume of Fluid Pumped: 41,748 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)			
Fresh Water	Cimarex				100%	83.28837%			
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	11.48363%			
CRC SAND	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	4.45307%			
			Hexamethylenetetramine	100-97-0	2%	0.08906%			
			Phenol / formaldehyde resin	9003-35-4	5%	0.22265%			
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00195%			
BA-40L BUFFERING AGENT	Halliburton	Buffer	Potassium carbonate	584-08-7	60%	0.03436%			
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.01474%			
			Monoethanolamine borate	26038-87-9	100%	0.04912%			
FDP-S1041-12	Halliburton	Surfactant	Poly(oxy-1,2-ethanediyl), alpha-isodecyl-omega-hydroxy	61827-42-7	30%	0.04583%			
			Complex alkylamine		5%	0.01528%			
BA-20 BUFFERING AGENT	Halliburton	Buffer	Acetic acid	64-19-7	30%	0.00492%			
			Ammonium acetate	631-61-8	100%	0.01639%			
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.00696%			
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.00696%			
D-AIR 3000L	Halliburton	Defoamer	Alkenes	Confidential Business Information	100%	0.00425%			
			Silica, amorphous precipitated	67762-90-7	30%	0.00128%			
WG-35 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.15501%			
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00131%			
			Walnut hulls	Mixture	100%	0.00436%			
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00085%			
HCL 15%	Petroplex	Acid	Hydrochloric Acid	7647-01-0	15%	0.01483%			
Cronox AK-50	Petroplex	Corrosion Inhibitor	Oxyalkylated Alkylphenol	CBI	30%	5E-05%			
			Heavy Aromatic Naptha	64742-94-5	30%	5E-05%			
			Isopropanol	67-63-0	30%	5E-05%			
			Fatty Acids	CBI	10%	2E-05%			
			Complex Alkylaryl Poly-Ester	CBI	10%	2E-05%			
			Tar Bases, Quinoline Derivatives, Benzyl Chloride-Quaternized	72480-70-7	10%	2E-05%			
			Formaldehyde	50-00-0	10%	2E-05%			
			Acetylenic Alcohol	CBI	5%	1E-05%			
			Propargyl Alcohol	107-19-7	5%	1E-05%			
			Napthalene	91-20-3	5%	1E-05%			
			Citric Acid	Petroplex	Iron Control	Citric Acid	77-92-9	100%	0.00046%
			EC9546A	Petroplex	Surfactant	Heavy Aromatic Naptha	64742-94-5	10%	2E-05%
						Isopropanol	67-63-0	60%	0.0001%
Polyethylene Glycol	25322-68.3	5%				1E-05%			
Napthalene	91-20-3	1%				0%			
Phosphoric Acid Ester	CBI	10%				2E-05%			
Oxyalkylated Alcohol	CBI	10%				2E-05%			
Oxyalkylated Alkyl Alcohol	CBI	10%				2E-05%			
2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt	915-67-3	0%				0%			
Ingredients Listed Below This Line Are Part of the			C.I. Pigment Red 5	6410-41-9	0%	0%			
			Crystalline silica, quartz	14808-60-7	0%	0%			
			Cured Acrylic Resin	Confidential Business Information	0%	0%			
			Cured Acrylic Resin	Confidential Business Information	0%	0%			
			Enzyme	Confidential Business Information	0%	0%			
			Ethoxylated Nonylphenol	Confidential Business Information	0%	0%			
			Modified Bentonite	Confidential Business Information	0%	0%			
			Polypropylene glycol	25322-69-4	0%	0%			
			Silica, amorphous - fumed	7631-86-9	0%	0%			
			Sodium sulfate	7757-82-6	0%	0%			
			Water	7732-18-5	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: 10/27/2012				Title: Operations					
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.