

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: 30-025-40906				
		2. Well Name: CHIEF 30 STATE #005				
		3. Well Number: 005				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:M Lot:4 Section:30 Township:20S Range:35E Feet from:760 N/S Line:S Feet from:530 E/W Line:W				
		5. Bottom Hole Location: Unit:M Lot:4 Section:30 Township:20S Range:35E Feet from:760 N/S Line:S Feet from:530 E/W Line:W				
		6. Latitude: Longitude: 32.5389274269713 - 103.503360950474				
		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: 3/11/2013 Frac Performed by: Halliburton				12. Production Type: O		
13. Pool Code(s): 5535				14. Gross Fractured Interval: 11,145 ft to 11,342 ft		
15. True Vertical Depth (TVD): 11,145 ft				16. Total Volume of Fluid Pumped: 9,018 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%	79.90709%
HYDROCHLORIC ACID 10-30%	Halliburton		Hydrochloric acid	7647-01-0	30%	3.32161%
Premium White-20/40	Halliburton				100%	5.63599%
Garnett CRC-20/40	Halliburton				100%	2.9018%
SGA-II	Halliburton	Gelling Agent	Hydrotreated light petroleum distillate	64742-47-8	30%	0.01072%
LOSURF-360W	Halliburton	Surfactant	Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-.omega.-hydroxy-	61827-42-7	30%	0.02226%
			Glycerine	56-81-5	10%	0.00742%
			Complex alkylamine		5%	0.003714%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.0019%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.01871%
			Monoethanolamine borate	26038-87-9	100%	0.06237%
BA-20 BUFFERING AGENT	Halliburton	Buffer	Acetic acid	64-19-7	30%	0.02497%
			Ammonium acetate	631-61-8	100%	0.08324%
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.0408%
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.0408%
BA-40L BUFFERING AGENT	Halliburton	Buffer	Potassium carbonate	584-08-7	60%	0.06947%
FERCHEK FERRIC IRON INHIBITOR	Halliburton	Iron Reducing Agent	Isoascorbic acid, sodium salt	6381-77-7	100%	0.0031%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.19123%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.0007%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.0012%
			Walnut hulls	Mixture	100%	0.004%
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						

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.