

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. 30-015-39158				
		2. Well Name: CHAPARRAL STATE #020				
		3. Well Number: 020				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:C Lot:C Section:32 Township:19S Range:29E Feet from:330 N/S Line:N Feet from:1980 E/W Line:W				
		5. Bottom Hole Location: Unit:C Lot:C Section:32 Township:19S Range:29E Feet from:330 N/S Line:N Feet from:1980 E/W Line:W				
		6. latitude: longitude: 32.6236418289402 - 104.099164525638				
		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: 6/12/2012 Frac Performed by: Schlumberger				12. Production Type: O		
13. Pool Code(s): 65010				14. Gross Fractured Interval: 7,811 ft to 7,908 ft		
15. True Vertical Depth (TVD): 7,908 ft				16. Total Volume of Fluid Pumped: 39,737 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	Activator , Bactericide, Surfactant , Breaker, Gelling Agent, Crosslinker, Propping Agent	Water (Including Mix Water Supplied by Client)*	-	0%	82.383666%
			Crystalline silica	14808-60-7	90.60573%	15.96136%
			Carbohydrate polymer	Proprietary	6.659509%	1.173158%
			Phenolic resin	9003-35-4	1.201492%	0.211658%
			Diammonium peroxidisulphate	7727-54-0	0.656237%	0.115605%
			Oxyalkylated Alcohol (2)	Proprietary	0.08106%	0.01428%
			Propan-2-ol	67-63-0	0.08106%	0.01428%
			Aliphatic co-polymer	Proprietary	0.057892%	0.010198%
			Glutaraldehyde	111-30-8	0.034054%	0.005999%
			Aliphatic polyol	Proprietary	0.027299%	0.004809%
			Potassium hydroxide	1310-58-3	0.013622%	0.0024%
HCL 15%	Petroplex	Acid	Hydrochloric Acid	7647-01-0	0.086643%	0.015263%
Cronox AK-50	Petroplex	Corrosion Inhibitor	Oxyalkylated Alkylphenol	CBI	0.000312%	5.5E-05%
			Heavy Aromatic Naptha	64742-94-5	0.000312%	5.5E-05%
			Isopropanol	67-63-0	0.000312%	5.5E-05%
			Fatty Acids	CBI	0.000104%	1.8E-05%
			Complex Alkylaryl Polyo-Ester	CBI	0.000104%	1.8E-05%
			Tar Bases, Quinoline Derivatives, Benzyl Chloride-Quaternized	72480-70-7	0.000104%	1.8E-05%
			Formaldehyde	50-00-0	0.000104%	1.8E-05%
			Acetylenic Alcohol	CBI	5.2E-05%	9E-06%
			Propargyl Alcohol	107-19-7	5.2E-05%	9E-06%
			Napthalene	91-20-3	5.2E-05%	9E-06%
Citric Acid	Petroplex	Iron Control	Citric Acid	77-92-9	0.002687%	0.000473%
EC9546A	Petroplex	Surfactant	Heavy Aromatic Naptha	64742-94-5	0.0001%	1.8E-05%
			Isopropanol	67-63-0	0.0006%	0.000106%
			Polyethylene Glycol	25322-68.3	5E-05%	9E-06%
			Napthalene	91-20-3	1E-05%	2E-06%
			Phosphoric Acid Ester	CBI	0.0001%	1.8E-05%
			Oxyalkylated Alcohol	CBI	0.0001%	1.8E-05%
			Oxyalkylated Alkyl Alcohol	CBI	0.0001%	1.8E-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: 6/29/2012						
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.						