

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. 30-025-40346				
		2. Well Name: CASCADE 29 FEDERAL #001H				
		3. Well Number: 001H				
HYDRAULIC FRACTURING FLUID DISCLOSURE <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment		4. Surface Hole Location: Unit:D Lot:D Section:29 Township:25S Range:33E Feet from:330 N/S Line:N Feet from:350 E/W Line:W				
		5. Bottom Hole Location: Unit:D Lot:D Section:29 Township:25S Range:33E Feet from:330 N/S Line:N Feet from:350 E/W Line:W				
		6. latitude: longitude: 32.107950541072 - 103.601658026882				
		7. County: Lea				
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: 9/11/2012 Frac Performed by: Schlumberger		12. Production Type: O				
13. Pool Code(s): 96403		14. Gross Fractured Interval: 9,601 ft to 9,849 ft				
15. True Vertical Depth (TVD): 9,849 ft		16. Total Volume of Fluid Pumped: 57,890 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)
WF115, YF115FLEX	Schlumberger	Friction Reducer, Bactericide, Surfactant, Breaker, Additive, Gelling Agent, Crosslinker, Fluid Los	Water (Including Mix Water Supplied by Client)*	-	0%	90.55952%
			Crystalline silica	14808-60-7	85.39%	8.03195%
			Inert fiber	Proprietary	7.36%	0.69233%
			Diammonium peroxidisulphate	7727-54-0	2.76%	0.25978%
			Carbohydrate polymer	Proprietary	1.46%	0.13779%
			Aliphatic co-polymer	Proprietary	1.09%	0.10296%
			Distillates (petroleum), hydrotreated light	64742-47-8	0.13%	0.01235%
			Polyethylene glycol monohexyl ether	31726-34-8	0.06%	0.00542%
			Glutaraldehyde	111-30-8	0.05%	0.00478%
			Aliphatic polyol	Proprietary	0.02%	0.00222%
			Alcohol ethoxylate C-10/16 with 6.5 EO	68002-97-1	0.02%	0.00155%
			Potassium hydroxide	1310-58-3	0.01%	0.00111%
			Amine derivative	Proprietary	0.01%	0.00087%
HCL 15%	Petroplex	Acid	Hydrochloric Acid	7647-01-0	0.2%	0.01875%
Mud Acid 7.5%	Petroplex	Acid	Hydrochloric Acid	7647-01-0	0.04%	0.00383%
ABF	Petroplex	Acid	Ammonium Hydrogen Fluoride	1341-49-7	0.1%	0.00935%
			Ammonium Fluoride	12125-01-8	0.01%	0.00049%
Cronox AK-50	Petroplex	Corrosion Inhibitor	Oxyalkylated Alkylphenol	CBI	0%	0.0001%
			Heavy Aromatic Naptha	64742-94-5	0%	0.0001%
			Isopropanol	67-63-0	0%	0.0001%
			Fatty Acids	CBI	0%	3E-05%
			Complex Alkylaryl Polyo-Ester	CBI	0%	3E-05%
			Tar Bases, Quinoline Derivatives, Benzyl Chloride-Quaternized	72480-70-7	0%	3E-05%
			Formaldehyde	50-00-0	0%	3E-05%
			Acetylenic Alcohol	CBI	0%	2E-05%
			Propargyl Alcohol	107-19-7	0%	2E-05%
			Napthalene	91-20-3	0%	2E-05%
			Citric Acid	Petroplex	Iron Control	Citric Acid
EC9546A	Petroplex	Surfactant	Heavy Aromatic Naptha	64742-94-5	0%	3E-05%
			Isopropanol	67-63-0	0%	0.00018%
			Polyethylene Glycol	25322-68.3	0%	2E-05%
			Napthalene	91-20-3	0%	0%
			Phosphoric Acid Ester	CBI	0%	3E-05%
			Oxyalkylated Alcohol	CBI	0%	3E-05%
			Oxyalkylated Alkyl Alcohol	CBI	0%	3E-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: 10/2/2012						
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.