

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 November 6, 2013				
		1. WELL API NO: 30-015-42778				
		2. Well Name: FEDERAL 13 COM #009H				
		3. Well Number: 009H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:C Lot:C Section:13 Township:25S Range:26E Feet from:273 N/S Line:N Feet from:1920 E/W Line:W				
		5. Bottom Hole Location: Unit:C Lot:C Section:13 Township:25S Range:26E Feet from:273 N/S Line:N Feet from:1920 E/W Line:W				
		6. latitude: longitude: 32.1364620539304 -104.248780906354				
		7. County: Eddy				
8. Operator Name and Address: CIMAREX ENERGY CO. OF COLORADO 202 S. Cheyenne Ave, Ste 1000 Tulsa 74103		9. OGRID: 162683	10. Phone Number: 918-295-1763			
11. Last Fracture Date: 5/22/2016 Frac Performed by: Halliburton		12. Production Type: O				
13. Pool Code(s): 97494		14. Gross Fractured Interval: 7,117 ft to 7,149 ft				
15. True Vertical Depth (TVD): 7,149 ft		16. Total Volume of Fluid Pumped: 4,026,154 gals				
17. Total Volume of Re-Use Water Pumped: N/A		18. Percent of Re-Use Water in Fluid Pumped: Not Disclosed				
19. 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 BC-140 X2, FE-2, HAI-OS, LOSURF-360, OPTIFLO-III,	Operator Halliburton	Base Fluid Breaker, Concentrate, Corrosion Inhibitor, Gelling Agent, Initiator, Iron Control Agent, Proppant, S	Fresh Water	7732-18-5	100%	83.81432%
			Crystalline silica, quartz	14808-60-7	100%	15.99664%
			Guar gum	9000-30-0	100%	0.05827%
			Hydrochloric acid	7647-01-0	15%	0.04916%
			Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-.omega.-hydroxy-	61827-42-7	30%	0.02462%
			Monoethanolamine borate	26038-87-9	100%	0.01349%
			Hydrotreated light petroleum distillate	64742-47-8	30%	0.00951%
			Polyacrylate	Proprietary	30%	0.00951%
			Complex alkylamine	Proprietary	5%	0.0041%
			Ethylene glycol	107-21-1	30%	0.00405%
			Sodium perborate tetrahydrate	10486-00-7	100%	0.00315%
			Bentonite, benzyl(hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	5%	0.00291%
			Citric acid	77-92-9	100%	0.00254%
			Ammonium persulfate	7727-54-0	100%	0.00167%
			Surfactant mixture	Proprietary	1%	0.00117%
			Sodium persulfate	7775-27-1	100%	0.00084%
			Alkane	Proprietary	1%	0.00082%
			Silica gel	112926-00-8	1%	0.00058%
			Polymer	Proprietary	30%	0.0005%
			Methanol	67-56-1	60%	0.00033%
			Alcohols, C14-C15, ethoxylated	68951-67-7	30%	0.00016%
			Fatty acids, tall oil	Proprietary	30%	0.00016%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	30%	0.00016%
			Olefins	Proprietary	5%	7E-05%
			Crystalline Silica, Quartz	14808-60-7	0.1%	6E-05%
			Propargyl alcohol	107-19-7	10%	5E-05%
			Inorganic salt	Proprietary	1%	2E-05%
			Talc	14807-96-6	1%	2E-05%
			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthaleny)l] azo] -, trisodium salt	915-67-3	0.1%	1E-05%
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0.01%	1E-05%
			Sodium bicarbonate	144-55-8	0.01%	1E-05%
			Sodium sulfate	7757-82-6	0.1%	0%
			ClO2	Baker Hughes	Biocide	Chlorine Dioxide
20. 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: 6/9/2016						
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.