

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. 30-015-42165							
		2. Well Name: HORNSBY 35 FEDERAL COM #002H							
		3. Well Number: 002H							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:M Lot:4 Section:35 Township:26S Range:27E Feet from:210 N/S Line:S Feet from:1270 E/W Line:W							
		5. Bottom Hole Location: Unit:M Lot:4 Section:35 Township:26S Range:27E Feet from:210 N/S Line:S Feet from:1270 E/W Line:W							
		6. latitude: longitude: 32.0005590167667 -104.16522842009							
		7. County: Eddy							
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: 10/22/2014 Frac Performed by: Schlumberger		12. Production Type: G							
13. Pool Code(s): 98017		14. Gross Fractured Interval: 7,533 ft to 7,740 ft							
15. True Vertical Depth (TVD): 7,740 ft		16. Total Volume of Fluid Pumped: 4,600,310 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)			
WF120, YF120Flex	Schlumberger	Surfactant , Breaker, Additive, Gelling Agent, Crosslinker, Propping Agent	Water (Including Mix Water Supplied by Client)	NA	0%	83.39485%			
			Crystalline silica	14808-60-7	97.26883%	16.14135%			
			Guar gum	9000-30-0	1.26716%	0.21028%			
			Glass fibers	60676-86-0	0.41237%	0.06843%			
			Potassium borate	1332-77-0	0.36738%	0.06097%			
			Potassium hydroxide	1310-58-3	0.1358%	0.02253%			
			Glycerol	56-81-5	0.11978%	0.01988%			
			Diammonium peroxidisulphate	7727-54-0	0.08247%	0.01369%			
			Polyethylene glycol monoheptyl ether	31726-34-8	0.05932%	0.00984%			
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	0.01074%	0.00178%			
			Solid Unsaturated Polyester Resin	39382-21-3	0.00414%	0.00069%			
			Non-crystalline silica (impurity)	7631-86-9	0.00318%	0.00053%			
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00246%	0.00041%			
			Propan-2-ol	67-63-0	0.00048%	8E-05%			
			Magnesium silicate hydrate (talc)	14807-96-6	0.0003%	5E-05%			
			poly (tetrafluoroethylene)	9002-84-0	0.00012%	2E-05%			
			HCL 15%	Petroplex	Acid	Hydrochloric Acid	7647-01-0	0.04675%	0.00776%
Cronox AK-50	Petroplex	Corrosion Inhibitor	Oxyalkylated Alkylphenol	Proprietary	0.00017%	3E-05%			
			Heavy Aromatic Naptha	64742-94-5	0.00017%	3E-05%			
			Isopropanol	67-63-0	0.00017%	3E-05%			
			Fatty Acids	Proprietary	6E-05%	1E-05%			
			Complex Alkylaryl Polyo-Ester	Proprietary	6E-05%	1E-05%			
			Tar Bases, Quinoline Derivatives, Benzyl Chloride-Quaternized	72480-70-7	6E-05%	1E-05%			
			Formaldehyde	50-00-0	6E-05%	1E-05%			
			Acetylenic Alcohol	Proprietary	3E-05%	0%			
			Propargyl Alcohol	107-19-7	3E-05%	0%			
			Napthalene	91-20-3	3E-05%	0%			
			Citric Acid	Petroplex	Iron Control	Citric Acid	77-92-9	0.0156%	0.00259%
			EC9546A	Petroplex	Surfactant	Heavy Aromatic Naptha	64742-94-5	5E-05%	1E-05%
Isopropanol	67-63-0	0.00032%				5E-05%			
Polyethylene Glycol	25322-68-3	3E-05%				0%			
Napthalene	91-20-3	1E-05%				0%			
Phosphoric Acid Ester	Proprietary	5E-05%				1E-05%			
Oxyalkylated Alcohol	Proprietary	5E-05%				1E-05%			
Oxyalkylated Alkyl Alcohol	Proprietary	5E-05%				1E-05%			
ClO2	Bosque	Biocide				Chlorine Dioxide	10049-04-4	0.00086%	0.00014%
† Proprietary Technology					0%	0%			
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: 11/20/2014									
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.