

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. 30-025-40841							
		2. Well Name: QUAIL 11 STATE #001H							
		3. Well Number: 001H							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:P Lot:P Section:11 Township:19S Range:34E Feet from:210 N/S Line:S Feet from:660 E/W Line:E							
		5. Bottom Hole Location: Unit:P Lot:P Section:11 Township:19S Range:34E Feet from:210 N/S Line:S Feet from:660 E/W Line:E							
		6. Latitude: 32.6682138617232 Longitude: - 103.524620877133							
		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: 4/10/2013 Frac Performed by: Halliburton		12. Production Type: O							
13. Pool Code(s): 55610		14. Gross Fractured Interval: 10,691 ft to 10,853 ft							
15. True Vertical Depth (TVD): 10,853 ft		16. Total Volume of Fluid Pumped: 40,918 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	Operator				100%	84.24519%			
Premium White-20/40	Halliburton				100%	11.20214%			
Garnett CRC-20/40	Halliburton				100%	4.12779%			
LOSURF-360W	Halliburton				100%	0%			
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.02665%			
			Monoethanolamine borate	26038-87-9	100%	0.08882%			
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.19957%			
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00147%			
			Walnut hulls	Mixture	100%	0.0049%			
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00047%			
HCL 15%	Petroplex	Acid	Hydrochloric Acid	7647-01-0	15%	0.01533%			
Cronox AK-50	Petroplex	Corrosion Inhibitor	Oxyalkylated Alkylphenol	CBI	30%	6E-05%			
			Heavy Aromatic Naptha	64742-94-5	30%	6E-05%			
			Isopropanol	67-63-0	30%	6E-05%			
			Fatty Acids	CBI	10%	2E-05%			
			Complex Alkylaryl Poly-o-Ester	CBI	10%	2E-05%			
			Tar Bases, Quinoline Derivatives, Benzyl Chloride-Quaternized	72480-70-7	10%	2E-05%			
			Formaldehyde	50-00-0	10%	2E-05%			
			Acetylenic Alcohol	CBI	5%	1E-05%			
			Propargyl Alcohol	107-19-7	5%	1E-05%			
			Napthalene	91-20-3	5%	1E-05%			
			Citric Acid	Petroplex	Iron Control	Citric Acid	77-92-9	100%	0.00048%
			EC9546A	Petroplex	Surfactant	Heavy Aromatic Naptha	64742-94-5	10%	2E-05%
						Isopropanol	67-63-0	60%	0.00011%
Polyethylene Glycol	25322-68.3	5%				1E-05%			
Napthalene	91-20-3	1%				0%			
Phosphoric Acid Ester	CBI	10%				2E-05%			
Oxyalkylated Alcohol	CBI	10%				2E-05%			
Oxyalkylated Alkyl Alcohol	CBI	10%				2E-05%			
CI02	Bosque	Biocide				Chlorine Dioxide	10049-04-4	100%	6E-05%
Ingredients Listed Below This Line Are Part of the						2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt	915-67-3	0%	0%
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0%			
			C.I. Pigment Red 5	6410-41-9	0%	0%			
			Crystalline Silica, Quartz	14808-60-7	0%	0%			
			Cured Acrylic Resin	Mixture	0%	0%			
			Cured Acrylic Resin	9002-98-6	0%	0%			
			Enzyme	9025-56-3	0%	0%			
			Silica gel	112926-00-8	0%	0%			
			Sodium sulfate	7757-82-6	0%	0%			
			Surfactant Mixture	67254-71-1	0%	0%			
			Surfactant Mixture	56449-46-8	0%	0%			
			Water	7732-18-5	0%	0%			
			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: 4/23/2013				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.