

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: 30-005-29151							
		2. Well Name: INDEPENDENCE 8 FEDERAL COM #001							
		3. Well Number: 001							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:B Lot:B Section:8 Township:15S Range:31E Feet from:510 N/S Line:N Feet from:2310 E/W Line:E							
		5. Bottom Hole Location: Unit:B Lot:B Section:8 Township:15S Range:31E Feet from:510 N/S Line:N Feet from:2310 E/W Line:E							
		6. Latitude: 33.0363078870122 Longitude: 103.842982492227							
		7. County: Chaves							
8. Operator Name and Address: CIMAREX ENERGY CO. OF COLORADO 600 N. Marienfeld St Suite 600 Midland 79701		9. OGRID: 162683	10. Phone Number: 918-295-1763						
11. Last Fracture Date: 6/5/2013 Frac Performed by: Halliburton		12. Production Type: O							
13. Pool Code(s): 97722		14. Gross Fractured Interval: 8,740 ft to 8,800 ft							
15. True Vertical Depth (TVD): 8,800 ft		16. Total Volume of Fluid Pumped: 70,928 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	Carrier / Base Fluid	Water	7732-18-5	100%	84.06115%			
HYDROCHLORIC ACID 10-30%	Halliburton	Acid	Hydrochloric acid	7647-01-0	30%	8.99162%			
Premium White-20/40	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	3.64106%			
Garnett CRC-20/40	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	3.01164%			
LOSURF-360W	Halliburton	Surfactant	Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl- omega.-hydroxy-	61827-42-7	30%	0.00256%			
			Glycerine	56-81-5	10%	0.00085%			
			Complex alkylamine	Proprietary	5%	0.00043%			
SGA-II	Halliburton	Gelling Agent	Hydrotreated light petroleum distillate	64742-47-8	30%	0.00405%			
XL-1	Halliburton	Crosslinker	Ferric chloride	7705-08-0	45%	0.00821%			
FR-66	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30%	0.00217%			
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.01911%			
			Monoethanolamine borate	26038-87-9	100%	0.0637%			
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.17266%			
HAI-404	Halliburton	Corrosion Inhibitor	Chloromethylnaphthalene quinoline quaternary amine	15619-48-4	10%	0.00119%			
			Aldehyde	Proprietary	30%	0.00359%			
			Isopropanol	67-63-0	30%	0.00359%			
			Methanol	67-56-1	30%	0.00359%			
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00128%			
			Walnut hulls	Proprietary	100%	0.00425%			
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00091%			
OptiKleen-WF	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.00098%			
FERCHEK FERRIC IRON INHIBITOR	Halliburton	Iron Reducing Agent	Isoascorbic acid, sodium salt	6381-77-7	100%	0.00141%			
CIO2	Bosque	Biocide	Chlorine Dioxide	10049-04-4	100%	8E-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%			
			Acrylamide	79-06-1	0%	0%			
			Alcohols, C10-16, ethoxylated	68002-97-1	0%	0%			
			Alcohols, C12-16, ethoxylated	68551-12-2	0%	0%			
			Ammonium chloride	12125-02-9	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	Proprietary	0%	0%			
			Cured Acrylic Resin	9002-98-6	0%	0%			
			Enzyme	9025-56-3	0%	0%			
			Ethoxylated sorbitan monostearate	9005-67-8	0%	0%			
			Modified Acrylamide Copolymer	38193-60-1	0%	0%			
			Polyacrylamide Copolymer	62649-23-4	0%	0%			
			Silica gel	112926-00-8	0%	0%			
			Sodium chloride	7647-14-5	0%	0%			
			Sodium sulfate	7757-82-6	0%	0%			
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	0%	0%			
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	0%	0%			
			Surfactant Mixture	67254-71-1	0%	0%			
			Surfactant Mixture	56449-46-8	0%	0%			
			Tall oil acid diethanolamide	68155-20-4	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: 7/3/2013				Title: Operations		
			E-mail Address: sherring@cimarex.com						

NMOCDD does not require the reporting of information beyond MSDS data as described in 29 CFR 1910.1200. NMOCDD does not require the reporting or disclosure of proprietary, trade secret or confidential business information.