

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: 30-015-40251					
<b>HYDRAULIC FRACTURING FLUID DISCLOSURE</b>  <input checked="" type="checkbox"/> Original  <input type="checkbox"/> Amendment		2. Well Name: ARKANSAS 23 FEE #004					
		3. Well Number: 004					
		4. Surface Hole Location: Unit:F Lot:F Section:23 Township:19S Range:25E Feet from:2310 N/S Line:N Feet from:2310 E/W Line:W					
		5. Bottom Hole Location: Unit:F Lot:F Section:23 Township:19S Range:25E Feet from:2310 N/S Line:N Feet from:2310 E/W Line:W					
		6. Latitude: 32.647248510854 Longitude: -104.456411478702					
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: 1/14/2014 Frac Performed by: Halliburton		12. Production Type: O					
13. Pool Code(s): 97565		14. Gross Fractured Interval: 2,497 ft to 2,945 ft					
15. True Vertical Depth (TVD): 2,945 ft		16. Total Volume of Fluid Pumped: 1,895,200 gals					
17. Total Volume of Re-Use Water Pumped: 0 gals		18. Percent of Re-Use Water in Fluid Pumped: %					
<b>19. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION:</b>							
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	Base Fluid	Fresh Water	7732-18-5	100%	95.58078%	
100 Mesh Sand	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	0.60991%	
Premium White - 30/50	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	3.70987%	
LoSurf-360W	Halliburton	Surfactant	Complex alkylamine	Proprietary	5%	0.00476%	
			Glycerine	56-81-5	10%	0.00952%	
			Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-.omega.-hydroxy-	61827-42-7	30%	0.02855%	
FR-66	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30%	0.01914%	
OptiKleen-WF	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.0078%	
HCL 15%	Petroplex	Acid	Hydrochloric Acid	7647-01-0	15%	0.00391%	
Cronox AK-50	Petroplex	Corrosion Inhibitor	Oxyalkylated Alkylphenol	Proprietary	30%	1E-05%	
			Heavy Aromatic Naptha	64742-94-5	30%	1E-05%	
			Isopropanol	67-63-0	30%	1E-05%	
			Fatty Acids	Proprietary	10%	0%	
			Complex Alkylaryl Poly-o-Ester	Proprietary	10%	0%	
			Tar Bases, Quinoline Derivatives, Benzyl Chloride-Quaternized	72480-70-7	10%	0%	
			Formaldehyde	50-00-0	10%	0%	
			Acetylenic Alcohol	Proprietary	5%	0%	
			Propargyl Alcohol	107-19-7	5%	0%	
			Napthalene	91-20-3	5%	0%	
Citric Acid	Petroplex	Iron Control	Citric Acid	77-92-9	100%	0.00131%	
EC9546A	Petroplex	Surfactant	Heavy Aromatic Naptha	64742-94-5	10%	0%	
			Isopropanol	67-63-0	60%	3E-05%	
			Polyethylene Glycol	25322-68-3	5%	0%	
			Napthalene	91-20-3	1%	0%	
			Phosphoric Acid Ester	Proprietary	10%	0%	
			Oxyalkylated Alcohol	Proprietary	10%	0%	
			Oxyalkylated Alkyl Alcohol	Proprietary	10%	0%	
S-250N	Reef	Scale Inhibitor	Amino Methylene Phosphonic Acid Salt	68649-44-5	25%	0.00055%	
			Methanol	67-56-1	25%	0.00055%	
CIO2	Bosque	Biocide	Chlorine Dioxide	10049-04-4	100%	0.00029%	
Ingredients Listed Below This Line Are Part of the			Alcohols, C 12-16, ethoxylated	68551-12-2	0%	0%	
			Alkane	Proprietary	0%	0%	
			Ammonium chloride	12125-02-9	0%	0%	
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0%	0%	
			Fatty acid tall oil amide	Proprietary	0%	0%	
			Hydrogen peroxide	7722-84-1	0%	0%	
			Nitrotriactic acid, trisodium salt monohydrate	5064-31-3	0%	0%	
			Polyacrylamide copolymer	Proprietary	0%	0%	
			Sodium bicarbonate	144-55-8	0%	0%	
			Sodium chloride	7647-14-5	0%	0%	
			Sodium glycolate	2836-32-0	0%	0%	
			Sodium hydroxide	1310-73-2	0%	0%	
			Sorbitan monooleate	9005-65-6	0%	0%	
			polyoxyethylene derivative				
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	0%	0%	
			Water	7732-18-5	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			
	Date:	1/28/2014			Manager Stimulation	Title: Operations	
E-mail Address:	sherring@cimarex.com						