									B : IN	
Submit within 45 days of well co	thin 45 days of well completion State of New Mexico							Revised November 6, 2013 1. WELL API NO.		
	Energy, Minerals and Natural Resources						30-015-35494 2. Well Name:			
Oil Conservation Division							WHITE CITY 31 FEDERAL #004			
							3. Well Number: 004			
1220 S. St Francis Dr.										
Santa Fe, NM 87505										
HYDRAULIC FRACTURING FLUID DISCLOSURE							4. Surface Hole Location: Unit:P Lot:P Section:31 Township:24S Range:26E Feet from:800 N/S Line:S Feet from:1250 E/W Line:E			
⊠ Original							5. Bottom Hole L	ocation:		
□ Amendment							Unit:P Lot:P Feet from:800	1	ownship:24S Range:26E	
							Feet from:1250 6. latitude:		E/W Line:E ongitude: -104.3277054	
							7. County:			
							Eddy			
Operator Name and Address: CIMAREX ENERGY CO. OF COLORADO 202 S. Cheyenne Ave, Ste 1000 Tulsa 74103						9. OGRID:	162683	10. Phone Numb	per: 918-295-1763	
11. Last Fracture Date: 8/11/2017 Frac Performed by: Halliburton						12. Productio	• •			
13. Pool Code(s):						14. Gross Fra	arctured Interval: 0,007 ft to 9,473 ft			
98220 15. True Vertical Depth (TVD):							9,007 It to 9,473 It /olume of Fluid Pumped:			
9,473 ft 17. Total Volume of Re-Use Water Pumped:							7,027 gals	Fluid Pumped:		
N/A Not Disclosed										
19. HYDRAULIC FLUID (Trade Name	COMPOS Supplier	ITION AN	ND CONCENTRAT Purpose	ION:	(CAS #) Chemi	aal Abatraat	Maximum Ingred	llamé	Maximum Ingredient	
					Service #	Cai Abstract	Concentration in mass)	Additive (% by	Concentration in HF Fluid (% by mass)	
Fresh Water Cla-Web(TM) II	Operator Halliburtor	n	Base Fluid Clay Stabilizer	Water Listed Below	7732-18-5 Listed Below	,		100% 0%	86.9879%	
FDP-S1226-15	Halliburto		Surfactant	Listed Below	Listed Below		0%		0%	
FE-1A ACIDIZING COMPOSITION	Halliburto	n	Additive	Listed Below	Listed Below		0%		0%	
FE-2A	Halliburto	n	Additive	Listed Below	Listed Below		0%		0%	
HAI-OS ACID INHIBITOR	Halliburton		Corrosion Inhibitor	Listed Below	Listed Below		0%		0%	
HYDROCHLORIC ACID MC B-8614	Halliburton Halliburton		Solvent Biocide	Listed Below Listed Below	Listed Below Listed Below		0%		0%	
OptiKleen-WF(TM)	Halliburton		Concentrate	Listed Below	Listed Below		0%		0%	
SAND	Halliburton		Proppant	Listed Below	Listed Below		0%		0%	
Excelerate LX-1 MSDS and Non-MSDS	Halliburton		Friction Reducer	Listed Below	Listed Below		0%		0% 0%	
Ingredients are listed below										
Ingredients	Listed Above		Listed Above	Acetic acid Acetic anhydride	64-19-7 108-24-7			60% 100%	0.00114% 0.0019%	
				Alcohols, C12-13,	66455-14-9			30%	0.02368%	
				ethoxylated Alcohols, C12-16,	68551-12-2			5%	0.00395%	
				ethoxylated	00001-12-2			370		
				Amine Amine salts	Proprietary			0.1% 1%	2E-05% 0.00025%	
				Ammonium	Proprietary Proprietary			30%	0.00689%	
				Chloring compound	Dransiatory	Proprietary		30%	0.00689%	
				Chlorine compound Citric acid	77-92-9			60%	0.00689%	
				Crystalline silica,	14808-60-7	14808-60-7		100%	12.57237%	
				quartz Ethanol	64-17-5	64-17-5		1%	0.00024%	
				Ethoxylated alcohols	Proprietary			30%	9E-05%	
			Ethylene oxide Fatty acids, tall oil	75-21-8 Proprietary			0.01% 30%	1E-05% 9E-05%		
			Glutaraldehyde	111-30-8	111-30-8		30%	0.00731%		
			Hydrochloric acid Hydrotreated light	7647-01-0 64742-47-8			15% 20%	0.03131% 0.01789%		
			petroleum distillate				20 /0	0.0176976		
				Methanol	67-56-1			60%	0.00022%	
				Olefins Phosphoric acid	Proprietary 7664-38-2			5% 0.1%	4E-05% 2E-05%	
			Polyacrylate	Proprietary			20%	0.01789%		
			Propargyl alcohol Quaternary amine	107-19-7 Proprietary			10% 1%	3E-05% 0.00046%		
			Quaternary	68424-85-1			5%	0.00122%		
				ammonium compounds, benzyl-						
				C12-16-						
				alkyldimethyl chlorides						
				Reaction product of	68527-49-1		30%		9E-05%	
				acetophenone, formaldehyde,						
				thiourea and oleic						
				acid in dimethyl formamide						
				Sodium chloride	7647-14-5			1%	0.00023%	
				Sodium perborate tetrahydrate	10486-00-7			100%	0.01091%	
				Water	7732-18-5			100%	0.33215%	
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: 11/9/2017										
Date: 11/9/2017 E-mail Address: sherring@cimarex.com										

MMOCD 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.