Submit within 45 days of well co	State of New Mexico					Revised November 6, 2013  1. WELL API NO.					
	Energy, Minerals and Natural Resources					30-015-44073					
							2. Well Name: MARQUARDT 12 13 FEDERAL COM #011H				
Oil Conservation Division						3. Well Number:					
1220 S. St Francis Dr.							011H				
Santa Fe, NM 87505											
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HYDRAULIC FRACTURING FLUID							Unit:D Lot:D		ownship:25S	Range:26E	
DISCLOSURE							Feet from:565 Feet from:1309		I/S Line:N E/W Line:W		
⊠ Original							5. Bottom Hole L	ocation:			
□ Amendment							Unit:D Lot:D Feet from:565		ownship:25S I/S Line:N	Range:26E	
							Feet from:1309	E	/W Line:W		
							6. latitude: 32.1	50256	ongitude: -104.25	51031	
							7. County: Eddy				
Operator Name and Address:     CIMAREX ENERGY CO. OF COLORADO     202 S. Cheyenne Ave, Ste 1000							162683	10. Phone Numb	er: 918	3-295-1763	
Tulsa 74103  11. Last Fracture Date: 6/2/2017 Frac Performed by: Halliburton 12. Product							n Type:				
13. Pool Code(s): 14. G							G Fractured Interval:				
98220							9,209 ft to 9,593 ft				
15. True Vertical Depth (TVD): 9,593 ft							Total Volume of Fluid Pumped: 21,988,934 gals				
17. Total Volume of Re-Use Water Pumped:						18. Percent of	nt of Re-Use Water in Fluid Pumped:				
N/A Not Disclosed  19. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION:											
Trade Name	Supplier	Purpos		Ingredients	(CAS #) Chemic Service #	cal Abstract	Maximum Ingred Concentration in mass)		Maximum Ingred Concentration in mass)		
Fresh Water	Operator	Base		Water	7732-18-5			100%		86.72953%	
Cla-Web(TM) II FDP-S1176-15	Halliburtor Halliburtor		Stabilizer n Reducer	Listed Below Listed Below	Listed Below Listed Below			0% 0%		0% 0%	
FDP-S1226-15	Halliburto			Listed Below	Listed Below			0%		0%	
LCA-1	Halliburto			Listed Below	Listed Below			0%		0%	
MC B-8614 OptiKleen-WF(TM)	Halliburtor Halliburtor		entrate	Listed Below Listed Below	Listed Below Listed Below			0% 0%		0% 0%	
Sand	Halliburto			Listed Below	Listed Below			0%		0%	
MSDS and Non-MSDS Ingredients are listed below								0%	İ	0%	
Ingredients	Listed Abo	ve Listed	Listed Above	9-Octadecenamide, n,n-bis-2(hydroxy-	93-83-4			5%		0.0036%	
				ethyl)-,(Z) Alcohols, C12-13, ethoxylated	66455-14-9			30%		0.02534%	
				Alcohols, C12-16, ethoxylated	68551-12-2			5%		0.00422%	
				Amine Amine salts	Proprietary Proprietary			0.1% 1%		2E-05% 0.00025%	
				Ammonium chloride	. ,		5%			0.0036%	
				Ammonium compound	Proprietary		30%		İ	0.00671%	
				Castor oil,	61791-12-6		5%			0.0036%	
				ethoxylated Chloring compound	Dronrioton			200/		0.006710/	
				Chlorine compound Crystalline silica,	Proprietary 14808-60-7			30% 100%		0.00671% 13.06324%	
				quartz	04.47.5			40/		0.000000/	
				Ethanol Ethylene oxide	64-17-5 75-21-8			1% 0.01%		0.00022% 1E-05%	
				Glutaraldehyde	111-30-8			30%		0.00658%	
				Hdrotreated light petrolem distillates	Proprietary			100%	ı	0.00207%	
				Hydrotreated light petroleum distillate	64742-47-8			30%		0.02162%	
				Methanol Phosphoric acid	67-56-1 7664-38-2			0.14% 0.1%		3E-05% 2E-05%	
				Polyacrylate	Proprietary			30%		0.02162%	
				Quaternary amine	Proprietary 68424-85-1			1% 5%		0.00045% 0.0011%	
				Quaternary ammonium compounds, benzyl- C12-16- alkyldimethyl chlorides	00424-83-1			370	1	0.001176	
				Sobitan, mono-9- octadececenoate, (Z)	1338-43-8			5%		0.0036%	
				Sodium chloride	7647-14-5			5%		0.00383%	
				Sodium perborate tetrahydrate	10486-00-7			100%	ı	0.00432%	
				Water	7732-18-5			100%		0.16828%	
20. I, as Operator, hereby certify signature: Signed Ele					best of my knowl	edge and belie		Ctimulatic =			
Title: Operations											
Date: 7/25/2017  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.