Submit within 45 days of well or		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. 30-015-34199  2. Well Name: FEDERAL 13 COM #004  3. Well Number: 004		
HYDRAULIC FRACTURING FLUID DISCLOSURE						4. Surface Hole Location: Unit:G Lot:G Section:13 Township:25S Range:26E Feet from:1620 N/S Line:N		
⊠ Original						Feet from:1400 5. Bottom Hole Lo	cation:	E/W Line:E
□ Amendment						Unit:G Lot:G Feet from:1620 Feet from:1400 6. latitude: 32.1	M E	Fownship:25S Range:26E N/S Line:N E/W Line:E pongitude: -104.2424698
						7. County: Eddy		
8. Operator Name and Address: CIMAREX ENERG 202 S. Cheyenne A Tulsa 74103	Y CO. OF COLORA Ave, Ste 1000	00			9. OGRID:	162683	10. Phone Numb	er: 918-295-1763
11. Last Fracture Date: 12/29/2016 Frac Performed by: Liberty 12. Produ						Type:		
						ctured Interval:		
87280, 96890						,641 ft to 10,356 ft ume of Fluid Pumped:		
10,356 ft						4,991,969 gals		
N/A	01/5//90			8. Percent of Re-Use Water in Fluid Pumped: Not Disclosed				
19. HYDRAULIC FLUID			TION:	NORTH TOWARD		2007000 12 02	76 - SS - SS	613337 July 186 - 137 July 187
Trade Name	Supplier	Purpose	Ingredients	(CAS #) Chem Service #	ical Abstract	Maximum Ingredient Concentration in Additive (% by mass)		Maximum Ingredient Concentration in HF Fluid (% b mass)
Water SFT-72	Operator	Carrier	Water	7732-18-5	7732-18-5 68439-46-3		100% 10%	86.99329479 0.00853159
551-12	Liberty Oilfield Services	Non Emulsifier	Ethoxylated Alcohol d-Limonene	5989-27-5		5%		0.00853159
			Methanol	67-56-1		5%		0.00426579
FRP-E3-8	Liberty Oilfield Services	Friction reduction	1,2,4-Trimethylbenzene Distillates (petroleum), hydrotreated light	95-63-6 647 <b>4</b> 2-47-8			0.2% 45%	0.00017069 0.02764589
			Alcohols, C12-16, ethoxylated propoxylated	68213-24-1			5%	0.00307189
CSA-23 Bioclear 5000	Liberty Oilfield Services	Permanent clay stabilizer Biocide	Trade Secret	Proprietary 10222-01-2			100%	0.05424319
	Lubrizol	Biocide	2,2-dibromo-3- nitriloproprionamide	10222-01-2				0.0024217%
HCL-15	Liberty Oilfield	Solvent	Hydrochloric Acid	7647-01-0			30% 70%	0.1432072% 0.3341501%
ACI-97	Services Liberty Oilfield	Corrosion Inhibitor	Water Ethylene glycol	7732-18-5 107-21-1				0.33415019
. 101 01	Services	Corrosion minotor	Dipropylene glycol, monomethyl ether	34590-94-8			40% 20%	0.0001861%
			Ethoxylated alcohol Formic acid	Proprietary 64-18-6			10% 10%	9.3E-05% 9.3E-05%
			Tar bases, quinoline derivs., benzyl chloride- quaternized	72480-70-7			10%	9.3E-059 9.3E-059
			Cinnamaldehyde	104-55-2			10%	
ASF-67	Liberty Oilfield	Nonionic Non-	Isopropyl alcohol Methanol	67-63-0 67-56-1		5% 50%		
ICI-5L	Services Liberty Oilfield	Emulsifier Iron Sequestering	Citric acid	77-92-9			60%	0.0006125%
Liberty Clean Out Fluid	Services Liberty Oilfield Services	Agent Cleanup Solution	Naphtha (petroleum) hydrotreated heavy	64742-96-7	4742-96-7		100%	0.0004081%
Crystalline Silica, Quartz / Unimin Corp	Liberty Oilfield Services	Sand	Crystalline Silica in the form of Quartz	14808-60-7			99.9%	12.28909029
<ol> <li>I, as Operator, hereby certify the Signature: Signed E.</li> </ol>		n on this disclosure form is to Printed Name: Skipper He		my knowledge s	nd belief.	Manager	Stimulation	
Date: 1/19/2017		-iiiiled ivame: <u>Okipper Hi</u>	ennig			Title: Operation		
E-mail Address: sherring@	cimarex.com	d MSDS data as described i	n 29 CER 1910 1200 NMOCD	does not require	the reporting or	disclosure of proof	etary trade servet	or confidential business information