						1			
Submit within 45 days of well c	completion	State of New Mexico						Revised	November 6, 2013
	En	Energy, Minerals and Natural Resources				30-015-34199 2. Well Name:			
Oil Conservation Division						FEDERAL 13 COM #004 3. Well Number:			
1220 S. St Francis Dr.						004			
		Santa	a Fe, NM 875	005					
HYDRAULIC FR	RACTURING F	FLUID				4. Surface Hole I Unit:G Lot:G		Fownship:25S	Range:26E
DISCLOSURE						Feet from:1620	) 1	N/S Line:N	range.20L
□ Original						Feet from:1400 5. Bottom Hole L	ocation:	E/W Line:E	
⊠ Amends disclosure submitted on 1/19/2017						Unit:G Lot:G Feet from:1620		Fownship:25S N/S Line:N	Range:26E
						Feet from:1400	) [	E/W Line:E	
						32.1	327286		.2424698
						7. County: Eddy			
Operator Name and Address:					9. OGRID:	162683	10. Phone Numb	ner (	918-295-1763
	Y CO. OF COLORAD Ave, Ste 1000	00			o. comb.	.02000	10.1.10.10		710 200 1100
11. Last Fracture Date: 12/29/2016 Frac Performed by: Liberty 12. Produc						n Type:			
13. Pool Code(s): 14. Gross Fr						actured Interval: .646 ft to 10.356 ft			
15. True Vertical Depth (TVD): 16. Total V						llume of Fluid Pumped:			
10,356 ft  17. Total Volume of Re-Use Water Pumped: 18. Per						24,991,969 gals of Re-Use Water in Fluid Pumped:			
N/A	COMPOSITION	AND CONCENTRAT	TION!			ot Disclosed			
19. HYDRAULIC FLUID Trade Name	Supplier	Purpose	Ingredients	(CAS #) Chem	ical Abstract	Maximum Ingred	lient	Maximum Ing	redient
		,		Service #		Concentration in mass)	Additive (% by	Concentration mass)	n in HF Fluid (% by
Water SFT-72	Operator	Carrier Non Emulsifier	Water	7732-18-5			100%		86.9932947%
SF1-/2	Liberty Oilfield Services	Non Emulsiller	Ethoxylated Alcohol d-Limonene	5989-27-5	68439-46-3 5989-27-5		10% 5%		0.0085315% 0.0042657%
			Methanol	67-56-1			5%		0.0042657%
			1,2,4- Trimethylbenzene	95-63-6			0.2%		0.0001706%
FRP-E3-8	Liberty Oilfield Services	Friction reduction	Distillates (petroleum),	64742-47-8			45%		0.0276458%
	00.11000		hydrotreated light						
			Alcohols, C12-16, ethoxylated	68213-24-1			5%		0.0030718%
004.00	Libort Oilfield	Downson out alou	propoxylated	Duamiatani			1000/		0.05404040/
CSA-23	Liberty Oilfield Services	Permanent clay stabilizer	Trade Secret	Proprietary		100%			0.0542431%
Bioclear 5000	Lubrizol	Biocide	2,2-dibromo-3- nitriloproprionamide	10222-01-2		10%			0.0024217%
HCL-15	Liberty Oilfield	Solvent	Hydrochloric Acid	7647-01-0		30%			0.1432072%
ACI-97	Services Liberty Oilfield	Corrosion Inhibitor	Water Ethylene glycol	7732-18-5 107-21-1		70% 40%			0.3341501% 0.0003721%
76.0	Services		Dipropylene glycol,	34590-94-8			20%		0.0001861%
			monomethyl ether Ethoxylated alcohol	Proprietary			10%		9.3E-05%
			Formic acid	64-18-6			10%		9.3E-05%
			Tar bases, quinoline derivs., benzyl	72480-70-7			10%		9.3E-05%
			chloride-quaternized						
			Cinnamaldehyde Isopropyl alcohol	104-55-2 67-63-0			10% 5%		9.3E-05% 4.65E-05%
ASF-67	Liberty Oilfield	Nonionic Non-	Methanol	67-56-1			50%		0.0001935%
ICI-5L	Services Liberty Oilfield	Emulsifier Iron Sequestering	Citric acid	77-92-9			60%		0.0006125%
Liberty Clean Out Fluid	Services Liberty Oilfield	Agent Cleanup Solution	Naphtha (petroleum)	64742-96-7			100%		0.0004081%
	Services	·	hydrotreated heavy						
Crystalline Silica, Quartz / Unimin Corp	Liberty Oilfield Services	Sand	Crystalline Silica in the form of Quartz	14808-60-7			99.9%		12.2890902%
20. I, as Operator, hereby certify	that the information sh		s true and complete to the	best of my know	ledge and belie			•	
Signature: Signed El	lectronically	Printed Name: Skipper He	erring			Manager Title: Operatio	Stimulation ns		
Date: 6/7/2017						<u>- p 10</u>			

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.