Submit within 45 days of well completion		State of New Mexico				Revised November 6, 2013  1. WELL API NO.				
		Energy, Minerals and Natural Resourc					15-43555			
					urces	2. Well Name: FOREHAND RANCH 22 STATE #008H				
	servation Division			3. Well Number:						
1220 S. St Francis Dr. Santa Fe, NM 87505						008H				
HYDRAULIC F	RACTI IRIN	JG FI LIID				4. Surface Hole	_ocation:			
DISCLOSURE				Unit:K Lot:K Feet from:2310 Feet from:1980	) N	ownship:23S /S Line:S /W Line:W	Range:27E			
Original						5. Bottom Hole L	ocation:			
□ Amendment						Unit:N Lot:N Feet from:304 Feet from:781	Ν	ownship:23S I/S Line:S I/W Line:W	Range:27E	
						6. latitude:	lo	ngitude:		
							32.289568 -104.180084 7. County:			
						Éddy				
8. Operator Name and Address	3:				9. OGRID:	249099	10. Phone Numb	er: 4	32-682-7424	
CAZA OPERATIN 200 N LORAINE STE 1550	G, LLC									
MIDLAND 79701  11. Last Fracture Date: 12/	17/2017 Frac Pe	rformed by: Liberty Oilfield Se	ervices		12. Production	туре:				
` '						ross Fractured Interval:				
98220 15. True Vertical Depth (TVD): 9,199 ft		9,583 ft to 16,386 ft 16. Total Volume of Fluid Pumped 7,891,706 gals								
17. Total Volume of Re-Use Wa			18. Percent of Re-Use Water in Fluid Pumped: Not Disclosed							
	COMPOSIT	ION AND CONCENTR	ATION:		110	t Disclosed				
Trade Name	Supplier	Purpose	Ingredients	(CAS #) Chemical Abstract Service #		Maximum Ingredient Concentration in Additive (% by		Maximum Ing Concentratio by mass)	gredient n in HF Fluid (%	
Water	Operator	Carrier	Water	7732-18-5		mass)	100%	by mass)	81.02356%	
FRP-4K	Liberty Oilfield	Friction Reducer	Petrolem Distillates	64742-47-8 68439-50-9			22%		0.00492%	
			Ethoxylated Alcohol				1.5%		0.00034%	
			ethoxylated Alcohol	68002-97-			1.5%		0.00034%	
			Ethoxylated Alcohol	68551-12-2 84133-50-6			1.5% 1%		0.00034% 0.00022%	
			Ethoxylated Alcohol Ammonium Chloride		12125-02-9		11%		0.00022%	
CSA-23	Liberty Oilfield	Permanent Clay	Non Hazardous	proprietary	,		30%		0.0293%	
	, ,	Stabilizer	proprietary salts							
Disalass 5000	lb.nimal	Dissids	Calcium Chloride	10043-52-4			10%		0.00977%	
Bioclear 5000	Lubrizol	Biocide	2,2-dibromo-3- nitriloprionamide	10222-01-2	2		10%		0.00133%	
SAFE-BFH	Liberty Oilfield		Proprietary	Proprietary			100%		0.04248%	
XLB-88	Liberty Oilfield	Crosslinker	Ethylene Glycol	107-21-1			55%		0.05062% 0.02761%	
BLE-18	Liberty Oilfield	d Gel Breaker	Borate Salt Ammonium Persulfate	1303-96-4 7727-54-0			30% 75%		0.02761%	
DEE-10	Liberty Office	del Breaker	Acrylic Copolymer	Proprietary			20%		0.00049%	
			Proprietary	Proprietary			6%		0.00015%	
			Diethylene Glycol	112-34-5			5%		0.00012%	
1101 45	1.11 / 0.115 /		Monobutyl Ether	70.47.04.0			450/		0.100000/	
HCL-15	Liberty Oilfield	Solvent	Hydrochloric Acid Water	7647-01-0 7732-18-5			15% 85%		0.12623% 0.71528%	
LGA-3J	Liberty Oilfield	d Guar Slurry	White Mineral Oil	8042-47-5		65%			0.19087%	
Coolset RCS/ Santrol	Liberty Oilfield		Crystalline Silica	14808-60-7 9003-35-4			98%		1.65923%	
			Phenol-Formaldehyde Novolak Resin				5%		0.08465%	
Santrol RCS			Crystalline Silica	14808-60-7			97%		0.19424%	
			Phenol-Formaldehyde Novolak Resin	9003-35-4			5%		0.01001%	
Crystallin Cilias	Liborty Oiles I	l Cond	Hexamethyleneteramine		,	1	1%		0.002%	
Crystallin Silica	Liberty Oilfield	d Sand	Crystalline Silica in the form of Quartz	14808-60-7			99.9%		15.66001%	
20. I, as Operator, hereby certi	fy that the informat	ion shown on this disclosure for		est of my know	edge and belie					
Signature: Signed I	Electronically	Printed Name: Ste	eve Morris	·		Title:		_		
Date: 1/31/20	18									
E-mail Address: stove m	orric@moioonor	ray 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.