

Submit within 45 days of well completion	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: 30-015-42105			
		2. Well Name: KLEIN 33 FEDERAL COM #001H			
		3. Well Number: 001H			
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:D Lot:D Section:33 Township:26S Range:27E Feet from:210 N/S Line:S Feet from:810 E/W Line:W			
		5. Bottom Hole Location: Unit:D Lot:D Section:33 Township:26S Range:27E Feet from:210 N/S Line:S Feet from:810 E/W Line:W			
		6. latitude: longitude: 32.0005722 -104.2007294			
		7. County: Eddy			

8. Operator Name and Address: CIMAREX ENERGY CO. 600 N MARIENFELD STREET SUITE 600 MIDLAND 79701		9. OGRID: 215099	10. Phone Number:
11. Last Fracture Date: 6/1/2016 Frac Performed by: Halliburton		12. Production Type: G	
13. Pool Code(s): 98017, 98018		14. Gross Fractured Interval: 7,142 ft to 7,420 ft	
15. True Vertical Depth (TVD): 7,420 ft		16. Total Volume of Fluid Pumped: 7,872,263 gals	
17. Total Volume of Re-Use Water Pumped: N/A		18. Percent of Re-Use Water in Fluid Pumped: Not Disclosed	

19. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION:						
Trade Name	Supplier	Purpose	Ingredients	(CAS #) Chemical Abstract Service #	Maximum Ingredient Concentration in Additive (% by mass)	Maximum Ingredient Concentration in HF Fluid (% by mass)
Fresh Water BC-140 X2, FE-2, HAI-OS, LOSURF-360, OPTIFLO-III,	Operator Halliburton	Base Fluid Breaker, Concentrate, Corrosion Inhibitor, Gelling Agent, Initiator, Iron Control Agent, Proppant, S	Fresh Water	7732-18-5	100%	83.45591%
			Crystalline silica, quartz	14808-60-7	100%	16.36185%
			Guar gum	9000-30-0	100%	0.05399%
			Hydrochloric acid	7647-01-0	15%	0.0496%
			Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-.omega.-hydroxy-	61827-42-7	30%	0.02435%
			Monoethanolamine borate	26038-87-9	100%	0.0125%
			Hydrotreated light petroleum distillate	64742-47-8	30%	0.0089%
			Polyacrylate	Proprietary	30%	0.0089%
			Complex alkylamine	Proprietary	5%	0.00406%
			Ethylene glycol	107-21-1	30%	0.00375%
			Sodium perborate tetrahydrate	10486-00-7	100%	0.00339%
			Bentonite, benzyl(hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	5%	0.0027%
			Citric acid	77-92-9	100%	0.00256%
			Ammonium persulfate	7727-54-0	100%	0.00163%
			Surfactant mixture	Proprietary	1%	0.00108%
			Alkane	Proprietary	1%	0.00081%
			Sodium persulfate	7775-27-1	100%	0.00081%
			Silica gel	112926-00-8	1%	0.00054%
			Polymer	Proprietary	30%	0.00049%
			Methanol	67-56-1	60%	0.00033%
			Alcohols, C14-C15, ethoxylated	68951-67-7	30%	0.00016%
			Fatty acids, tall oil	Proprietary	30%	0.00016%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	30%	0.00016%
			Olefins	Proprietary	5%	7E-05%
			Propargyl alcohol	107-19-7	10%	5E-05%
			Crystalline Silica, Quartz	14808-60-7	0.1%	5E-05%
			Inorganic salt	Proprietary	1%	2E-05%
			Talc	14807-96-6	1%	2E-05%
			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt	915-67-3	0.1%	1E-05%
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0.01%	1E-05%
			Sodium bicarbonate	144-55-8	0.01%	1E-05%
			Sodium sulfate	7757-82-6	0.1%	0%
			Chlorine Dioxide	10049-04-4	100%	0.00112%
ClO2	Baker Hughes	Biocide	Chlorine Dioxide	10049-04-4	100%	0.00112%

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: <u>Signed Electronically</u>	Printed Name: <u>Skipper Herring</u>	Manager Stimulation Title: <u>Operations</u>
Date: <u>6/9/2016</u>		
E-mail Address: <u>sherring@cimarex.com</u>		

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.