

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. 30-015-42173				
		2. Well Name: MEDWICK 32 FEDERAL COM #008H				
		3. Well Number: 008H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment	4. Surface Hole Location: Unit:G Lot:2 Section:32 Township:26S Range:27E Feet from:290 N/S Line:S Feet from:2030 E/W Line:E					
	5. Bottom Hole Location: Unit:G Lot:2 Section:32 Township:26S Range:27E Feet from:290 N/S Line:S Feet from:2030 E/W Line:E					
	6. latitude: longitude: 32.000297 -104.123547					
	7. County: Eddy					
8. Operator Name and Address: CIMAREX ENERGY CO. 202 S. Cheyenne Ave. Suite 1000 Tulsa 74103		9. OGRID: 215099	10. Phone Number: 918-295-1658			
11. Last Fracture Date: 8/18/2017 Frac Performed by: Halliburton		12. Production Type: O				
13. Pool Code(s): 98018		14. Gross Fractured Interval: 7,374 ft to 7,458 ft				
15. True Vertical Depth (TVD): 7,458 ft		16. Total Volume of Fluid Pumped: 11,973,830 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	Operator	Base Fluid	Water	7732-18-5	100%	86.4763%
BA-20	Halliburton	Buffer	Listed Below	Listed Below	0%	0%
MC B-8614	Halliburton	Biocide	Listed Below	Listed Below	0%	0%
OPTIFLO-III	Halliburton	Breaker	Listed Below	Listed Below	0%	0%
OptiKleen-WF	Halliburton	Concentrate	Listed Below	Listed Below	0%	0%
SAND	Halliburton	Proppant	Listed Below	Listed Below	0%	0%
Excelerate LX-1	Halliburton	Friction Reducer	Listed Below	Listed Below	0%	0%
FDP-S1226-15	Halliburton	Surfactant	Listed Below	Listed Below	0%	0%
FDP-S1281-17	Halliburton	Friction Reducer	Listed Below	Listed Below	0%	0%
MSDS and Non-MSDS Ingredients are listed below					0%	0%
Ingredients	Listed Above	Listed Above	Acetic acid	64-19-7	30%	0.0037%
			Alcohols, C12-13, ethoxylated	66455-14-9	30%	0.02556%
			Alcohols, C12-16, ethoxylated	68551-12-2	5%	0.00426%
			Ammonium acetate	631-61-8	100%	0.01235%
			Ammonium persulfate	7727-54-0	100%	0.00527%
			Crystalline silica, quartz	14808-60-7	100%	13.3783%
			Cured acrylic resin	Proprietary	30%	0.00158%
			Hydrotreated light petroleum distillate	64742-47-8	30%	0.00036%
			Polyacrylate	Proprietary	30%	0.00036%
			Proprietary Component A	Proprietary	100%	0.04292%
			Sodium perborate tetrahydrate	10486-00-7	100%	5E-05%
			Water	7732-18-5	30%	0.0037%
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: Signed Electronically Printed Name: Skipper Herring		Manager Stimulation Title: Operations				
Date: 10/4/2017						
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.