

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: 30-015-43488				
		2. Well Name: GADWALL 18 FEDERAL COM #005H				
		3. Well Number: 005H				
HYDRAULIC FRACTURING FLUID DISCLOSURE <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment		4. Surface Hole Location: Unit:C Lot:C Section:18 Township:25S Range:27E Feet from:247 N/S Line:N Feet from:2634 E/W Line:W				
		5. Bottom Hole Location: Unit:C Lot:C Section:18 Township:25S Range:27E Feet from:247 N/S Line:N Feet from:2634 E/W Line:W				
		6. latitude: longitude: 32.081125 -104.134423				
		7. County: Eddy				
8. Operator Name and Address: CIMAREX ENERGY CO. OF COLORADO 202 S. Cheyenne Ave, Ste 1000 Tulsa 74103		9. OGRID: 162683	10. Phone Number: 918-295-1763			
11. Last Fracture Date: 7/12/2016 Frac Performed by: Halliburton		12. Production Type: O				
13. Pool Code(s): 97494		14. Gross Fractured Interval: 7,012 ft to 7,286 ft				
15. True Vertical Depth (TVD): 7,286 ft		16. Total Volume of Fluid Pumped: 11,563,167 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	Fresh Water	7732-18-5	100%	89.06289%
FE-2A, HAI-OS ACID INHIBITOR, LOSURF-360, OptiKlee	Halliburton	Additive, Concentrate, Corrosion Inhibitor, Proppant, Surfactant, Friction Reducer	Crystalline silica, quartz	14808-60-7	100%	10.80737%
			Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-.omega.-hydroxy-	61827-42-7	30%	0.02679%
			Hydrotreated light petroleum distillate	64742-47-8	30%	0.0188%
			Polyacrylate	Proprietary	30%	0.0188%
			Complex alkylamine	Proprietary	5%	0.00446%
			Sodium perborate tetrahydrate	10486-00-7	100%	0.00359%
			Citric acid	77-92-9	60%	0.00141%
			Alkane	Proprietary	1%	0.00089%
			Methanol	67-56-1	60%	0.0004%
			Alcohols, C14-C15, ethoxylated	68951-67-7	30%	0.0002%
			Fatty acids, tall oil	Proprietary	30%	0.0002%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	30%	0.0002%
			Olefins	Proprietary	5%	8E-05%
			Propargyl alcohol	107-19-7	10%	7E-05%
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0.01%	1E-05%
			Sodium bicarbonate	144-55-8	0.01%	1E-05%
HCL 15%	Halliburton	Acid	Hydrochloric Acid	7647-01-0	15%	0.00749%
CIO2	Baker Hughes	Biocide	Chlorine Dioxide	10049-04-4	100%	0.00123%
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: 8/9/2016						
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.