

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				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		1. WELL API NO: 30-025-41187				
		2. Well Name: GUNNER 8 FEDERAL COM #004H				
		3. Well Number: 004H				
		4. Surface Hole Location: Unit:P Lot:P Section:8 Township:26S Range:34E Feet from:190 N/S Line:S Feet from:380 E/W Line:E				
5. Bottom Hole Location: Unit:A Lot:A Section:5 Township:26S Range:34E Feet from:331 N/S Line:N Feet from:435 E/W Line:E						
6. latitude: longitude: 32.0511665 -103.4845963						
7. County: Lea						
8. Operator Name and Address: COG OPERATING LLC One Concho Center 600 W. Illinois Ave Midland 79701		9. OGRID: 229137	10. Phone Number: 432-685-4332			
11. Last Fracture Date: 8/27/2015 Frac Performed by: Halliburton		12. Production Type: O				
13. Pool Code(s): 97892		14. Gross Fractured Interval: 9,923 ft to 19,615 ft				
15. True Vertical Depth (TVD): 9,811 ft		16. Total Volume of Fluid Pumped: 16,877,546 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%	88.48796%
HYDROCHLORIC ACID	Halliburton	Base Fluid	NA	NA	0%	0%
BE-6 MICROBIOCIDE, BE-9, CLA-STA XP ADDITIVE, Cla-	Halliburton	Additive, Biocide, Breaker, Clay Stabilizer, Clay Stabilizer, Corrosion Inhibitor, Gelling Agent, Mic	NA	NA	0%	0%
ParaSorb 5000, ScaleSorb 7, ScaleTrol 720	Baker Hughes	Scale Inhibitor	NA	NA	0%	0%
			1,2-Benzisothiazolin-3-one	2634-33-5	0.1%	0%
			2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	2E-05%
			Alcohols, C14-C15, ethoxylated	68951-67-7	30%	0.00027%
			Alkane	Confidential	1%	0.00044%
			Amine salts	Confidential	0.1%	0.0001%
			Ammonium salt	Confidential	60%	0.02887%
			Bentonite, benzyl(hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	5%	0.00542%
			C.I. Pigment Red 5	6410-41-9	1%	3E-05%
			Calcium chloride	10043-52-4	0.1%	0%
			Calcium Chloride	10043-52-4	5%	0.00133%
			Complex alkylamine	Proprietary	5%	0.00221%
			Crystalline silica, quartz	14808-60-7	100%	10.01626%
			Crystalline Silica, Quartz	14808-60-7	0.1%	0.00011%
			Crystalline Silica: Quartz	14808-60-7	1%	0.00015%
			Cured acrylic resin	Confidential	30%	0.00078%
			Diatomaceous Earth, Calcined	91053-39-3	65%	0.00952%
			Enzyme	Confidential	5%	0.00013%
			Ethylene Glycol	107-21-1	30%	0.00799%
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0.01%	0%
			Fatty acids, tall oil	Confidential	30%	0.00027%
			Guar gum	9000-30-0	100%	0.10845%
			Hydrochloric acid	7647-01-0	60%	0.71063%
			Methanol	67-56-1	60%	0.00055%
			Mineral Oil	8042-47-5	30%	0.00144%
			Olefins	Confidential	5%	0.00011%
			Organophosphorous Salt	Proprietary	40%	0.00409%
			Poly(oxy-1,2-ethanediyl), ,alpha.-isodecyl-,omega.-hydroxy-	61827-42-7	30%	0.01323%
			Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.01402%
			Propargyl alcohol	107-19-7	10%	9E-05%
			Quaternary amine	Confidential	5%	0.00294%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	30%	0.00027%
			Silica gel	112926-00-8	1%	0.00108%
			Sodium bicarbonate	144-55-8	0.01%	0%
			Sodium chloride	7647-14-5	30%	0.00267%
			Surfactant mixture	Confidential	1%	0.00217%
			Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00421%
			Trimethylamine, N-oxide	1184-78-7	5%	0.00117%
			Walnut hulls	NA	100%	0.0025%
			Water	7732-18-5	100%	1.31441%
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: Stormi Davis Title: Regulatory Analyst						
Date: 9/23/2015						
E-mail Address: sdavis@conchoresources.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.