

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. 30-025-41929							
		2. Well Name: GETTYSBURG STATE COM #004H							
		3. Well Number: 004H							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:A Lot:A Section:16 Township:23S Range:34E Feet from:190 N/S Line:N Feet from:330 E/W Line:E							
		5. Bottom Hole Location: Unit:H Lot:H Section:21 Township:23S Range:34E Feet from:2299 N/S Line:N Feet from:412 E/W Line:E							
		6. latitude: 32.3113895729272 -103.467532346672							
		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: 11/25/2014 Frac Performed by: Halliburton		12. Production Type: O							
13. Pool Code(s): 2209		14. Gross Fractured Interval: 10,478 ft to 17,275 ft							
15. True Vertical Depth (TVD): 10,475 ft		16. Total Volume of Fluid Pumped: 4,778,522 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%	85.61675%			
FE Acid < 10%	Halliburton				100%	2.10307%			
CRC C - 30/50	Halliburton				100%	11.60392%			
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Methanol	67-56-1	60%	0.002%			
			Propargyl alcohol	107-19-7	10%	0.00033%			
LOSURF-360	Halliburton	Surfactant	Complex Alkylamine	100545-50-4	5%	0.0021%			
			Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl- omega.-hydroxy-	61827-42-7	30%	0.01261%			
Cla-Web(TM)	Halliburton	Additive	Ammonium salt	Confidential	60%	0.02817%			
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polypichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.01019%			
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00412%			
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00804%			
CL-22 UC	Halliburton	Crosslinker	Potassium formate	590-29-4	60%	0.03805%			
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.00151%			
			Potassium metaborate	13709-94-9	60%	0.01816%			
D-AIR 3000L	Halliburton	Defoamer	Alkenes	Confidential	100%	0.02305%			
			Silica, amorphous precipitated	67762-90-7	30%	0.00692%			
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.08234%			
SALT	Halliburton	Additive	Sodium chloride	7647-14-5	100%	0.04674%			
BE-6 MICROBIOCIDE	Halliburton	Biocide	2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	5E-05%			
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.20496%			
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.00923%			
			Crystalline silica, quartz	14808-60-7	30%	0.00277%			
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.0004%			
Scalechek(R) SCP-2	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.01927%			
Scale Inhibitor									
SALT	Halliburton	Additive	Sodium chloride	7647-14-5	100%	0.01927%			
Ingredients Listed Below This Line Are Part of the			Acrylate polymer	Confidential	0%	0%			
			Alcohols, C14-C15, ethoxylated	68951-67-7	0%	0%			
			Alkane	Confidential	0%	0%			
			Amine salts	Confidential	0%	0%			
			Amine salts	Confidential	0%	0%			
			Bentonite, benzyl(hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0%			
			Borate salts	Confidential	0%	0%			
			Crystalline silica, quartz	14808-60-7	0%	0%			
			Cured acrylic resin	Confidential	0%	0%			
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0%	0%			
			Fatty acids, tall oil	Confidential	0%	0%			
			Olefins	Confidential	0%	0%			
			Olefins	Confidential	0%	0%			
			Olefins	Confidential	0%	0%			
			Olefins	Confidential	0%	0%			
			Polypropylene glycol	25322-69-4	0%	0%			
			Quaternary amine	Confidential	0%	0%			
			Quaternary amine	Confidential	0%	0%			
			Quaternary amine	Confidential	0%	0%			
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	0%	0%			
			Silica gel	112926-00-8	0%	0%			
			Sodium bicarbonate	144-55-8	0%	0%			
			Sodium carboxymethyl cellulose	9004-32-4	0%	0%			
			Sodium chloride	7647-14-5	0%	0%			
			Sodium glycolate	2836-32-0	0%	0%			
			Sodium sulfate	7757-82-6	0%	0%			
			Surfactant mixture	Confidential	0%	0%			
			Surfactant mixture	Confidential	0%	0%			
			Trimethylamine, N-oxide	1184-78-7	0%	0%			
			Water	7732-18-5	0%	0%			
			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: 1/7/2015						
			E-mail Address: sdavis@conchoresources.com						

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