

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. 30-015-41981							
		2. Well Name: CRAIG STATE #004H							
		3. Well Number: 004H							
		4. Surface Hole Location: Unit:B Lot:B Section:36 Township:25S Range:26E Feet from:190 N/S Line:N Feet from:1870 E/W Line:E							
5. Bottom Hole Location: Unit:B Lot:B Section:36 Township:25S Range:26E Feet from:190 N/S Line:N Feet from:1870 E/W Line:E		6. latitude: 32.093014408564 longitude: -104.244028897779							
7. County: Eddy									
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: 4/7/2015 Frac Performed by: Halliburton		12. Production Type: O							
13. Pool Code(s): 97818		14. Gross Fractured Interval: 7,621 ft to 11,640 ft							
15. True Vertical Depth (TVD): 7,409 ft		16. Total Volume of Fluid Pumped: 5,071,514 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)			
FE Acid < 10%	Halliburton	Base Fluid	NA	NA	0%	0%			
Fresh Water	Operator	Base Fluid	Fresh Water	7732-18-5	100%	85.41167%			
BC-140 X2, BE-6 MICROBIOCIDES, BE-9, CLA-STA XP ADD	Halliburton	Additive, Biocide, Breaker, Clay Stabilizer, Clay Corrosion Inhibitor, Defoamer, Gelling	NA	NA	0%	0%			
Scalechek(R) SCP-2 Scale Inhibitor, WG-36 GELLING	Halliburton	Scale Preventer, Surfactant	NA	NA	0%	0%			
			1,2-Benzisothiazolin-3-one	2634-33-5	0.1%	0%			
			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt	915-67-3	0.1%	3E-05%			
			2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	1E-05%			
			Alcohols, C14-C15, ethoxylated	68951-67-7	30%	0.00076%			
			Alkane	Confidential	1%	0.00043%			
			Alkenes	Confidential	100%	0.0035%			
			Amine salts	Confidential	0.1%	9E-05%			
			Ammonium salt	Confidential	60%	0.02833%			
			Bentonite, benzyl(hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	5%	0.00721%			
			C.I. Pigment Red 5	6410-41-9	1%	5E-05%			
			Calcium chloride	10043-52-4	0.1%	0%			
			Complex alkylamine	Proprietary	5%	0.00216%			
			Crystalline silica, quartz	14808-60-7	100%	12.71393%			
			Crystalline Silica, Quartz	14808-60-7	0.1%	0.00014%			
			Cured acrylic resin	Confidential	30%	0.00168%			
			Enzyme	Confidential	5%	0.00027%			
			Ethylene glycol	107-21-1	30%	0.00786%			
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0.01%	0%			
			Fatty acids, tall oil	Confidential	30%	0.00076%			
			Glassy calcium magnesium phosphate	65997-17-3	100%	0.01414%			
			Guar gum	9000-30-0	100%	0.14429%			
			Hexamethylenetetramine	100-97-0	2%	0.05069%			
			Methanol	67-56-1	60%	0.00153%			
			Monoethanolamine borate	26038-87-9	100%	0.0262%			
			NFIDB:FE Acid < 10%	NFIDB:FE Acid < 10%	100%	1.49126%			
			NFIDB:Parasorb (TP)	NFIDB:Parasorb (TP)	100%	0%			
			Olefins	Confidential	5%	0.00031%			
			Phenol / formaldehyde resin	9003-35-4	5%	0.12672%			
			Poly(oxy-1,2-ethanediyl), ,alpha.-isodecyl- omega.-hydroxy-	61827-42-7	30%	0.01298%			
			Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.00561%			
			Polypropylene glycol	25322-69-4	30%	0.00105%			
			Propargyl alcohol	107-19-7	10%	0.00025%			
			Quaternary amine	Confidential	5%	0.00288%			
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	30%	0.00076%			
			Silica gel	112926-00-8	1%	0.00144%			
			Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	30%	0.00105%			
			Sodium bicarbonate	144-55-8	0.01%	0%			
			Sodium chloride	7647-14-5	100%	0.04912%			
			Surfactant mixture	Confidential	1%	0.00289%			
			Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00418%			
			Trimethylamine, N-oxide	1184-78-7	5%	0.00047%			
			Walnut hulls	NA	100%	0.00541%			
			Water	7732-18-5	100%	0.1315%			
			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: 5/18/2015						
			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.