

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: 30-015-41633				
		2. Well Name: GRAHAM CRACKER 16 STATE #003H				
		3. Well Number: 003H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:B Lot:B Section:16 Township:26S Range:28E Feet from:190 N/S Line:N Feet from:1910 E/W Line:E				
		5. Bottom Hole Location: Unit:O Lot: Section:16 Township:26S Range:28E Feet from:335 N/S Line:S Feet from:1713 E/W Line:E				
		6. latitude: 32.0492215718395 longitude: -104.09016327696				
		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: 11/14/2013 Frac Performed by: Halliburton		12. Production Type: O				
13. Pool Code(s): 30215		14. Gross Fractured Interval: 8,238 ft to 12,465 ft				
15. True Vertical Depth (TVD): 8,030 ft		16. Total Volume of Fluid Pumped: 3,768,845 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%	84.75459%
FE ACID - <10% HCL	Halliburton		Hydrochloric acid	7647-01-0	10%	0.20999%
Premium White - 20/40	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	10.21011%
CRC - 20/40	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	2.54126%
			Hexamethylenetetramine	100-97-0	2%	0.05083%
			Phenol / formaldehyde resin	9003-35-4	5%	0.12706%
LoSurf-360	Halliburton	Surfactant	Complex alkylamine	Confidential Business Information	5%	0.0022%
			Glycerine	56-81-5	10%	0.0044%
			Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-.omega.-hydroxy-	61827-42-7	30%	0.0132%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00415%
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.00837%
Cla-Web™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.02806%
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.02517%
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.02517%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	7E-05%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.00929%
			Monoethanolamine borate	26038-87-9	100%	0.03097%
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	7E-05%
D-AIR 3000L	Halliburton	Defoamer	Alkenes	Confidential Business Information	100%	0.00554%
			Silica, amorphous precipitated	67762-90-7	30%	0.00166%
Scaletrol	Halliburton				100%	0%
BE-6 MICROBIOCIDE	Halliburton	Biocide	2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	6E-05%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.12588%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00159%
			Walnut hulls	Mixture	100%	0.00529%
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.0189%
SALT	Halliburton	Additive	Sodium chloride	7647-14-5	100%	0.0189%
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: Brian Maiorino		Title: Regulatory Analyst		
Date: 1/6/2014						
E-mail Address: bmaiorino@concho.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.