

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 8, 2013				
		1. WELL API NO: 30-015-41662				
		2. Well Name: TARPAN 33 FEE #004H				
		3. Well Number: 004H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:N Lot:N Section:33 Township:18S Range:26E Feet from:150 N/S Line:S Feet from:2310 E/W Line:W				
		5. Bottom Hole Location: Unit:F Lot:F Section:33 Township:18S Range:26E Feet from:1951 N/S Line:N Feet from:2278 E/W Line:W				
		6. Latitude: 32.6975479 longitude: -104.3883591				
		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: 7/10/2015 Frac Performed by: Halliburton		12. Production Type: O				
13. Pool Code(s): 50270		14. Gross Fractured Interval: 3,195 ft to 5,925 ft				
15. True Vertical Depth (TVD): 2,939 ft		16. Total Volume of Fluid Pumped: 1,480,438 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%	78.12364%
HYDROCHLORIC ACID	Halliburton	Base Fluid	NA	NA	0%	0%
BC-140 X2, BE-9, D-AIR 3000L, HAI-OS ACID INHIBITO	Halliburton	Biocide, Breaker, Corrosion Inhibitor, Defoamer, Gelling Agent, Initiator, Proppant, Scale Preventer	NA	NA	0%	0%
CAT 106 SI	Catalyst Oilfield Services	Scale Inhibitor	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%	6E-05%
			Alcohols, C14-C15, ethoxylated	68951-67-7	30%	0.00096%
			Alkane	Confidential	1%	0.00039%
			Alkenes	Confidential	100%	0.01333%
			Bentonite, benzy(l)hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	5%	0.00668%
			C.I. Pigment Red 5	6410-41-9	1%	8E-05%
			Calcium chloride	10043-52-4	0.1%	0%
			Complex alkylamine	Proprietary	5%	0.00193%
			Crystalline silica, quartz	14808-60-7	100%	19.66707%
			Crystalline Silica, Quartz	14808-60-7	0.1%	0.00013%
			Cured acrylic resin	Confidential	30%	0.0025%
			Enzyme	Confidential	5%	0.00041%
			Ethylene glycol	107-21-1	30%	0.01711%
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0.01%	0%
			Fatty acids, tall oil	Confidential	30%	0.00096%
			Glassy calcium magnesium phosphate	65997-17-3	100%	0.01708%
			Guar gum	9000-30-0	100%	0.13364%
			Hexamethylenetetramine	100-97-0	2%	0.05492%
			Hydrochloric acid	7647-01-0	60%	1.12041%
			Hydrochloric Acid	NA	1%	0.00036%
			Methanol	67-56-1	60%	0.00191%
			Monoethanolamine borate	26038-87-9	100%	0.05702%
			Olefins	Confidential	5%	0.00038%
			Phenol / formaldehyde resin	9003-35-4	5%	0.13729%
			Phosphonate Compound	Confidential	60%	0.0214%
			Poly(oxy-1,2-ethanediyl), -alpha.-isodecyl- omega.-hydroxy-	61827-42-7	30%	0.01156%
			Polypropylene glycol	25322-69-4	30%	0.004%
			Propargyl alcohol	107-19-7	10%	0.00032%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	30%	0.00096%
			Silica gel	112926-00-8	1%	0.00134%
			Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	30%	0.004%
			Sodium bicarbonate	144-55-8	0.01%	0%
			Sodium chloride	7647-14-5	30%	0.00012%
			Surfactant mixture	Confidential	1%	0.00267%
			Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00375%
			Walnut hulls	NA	100%	0.00805%
			Water	7732-18-5	100%	1.96596%
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: Chasity Jackson Title: Regulatory Analyst						
Date: 8/18/2015						
E-mail Address: cjackson@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.