

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. 30-025-42518				
		2. Well Name: MACHO NACHO STATE COM #009H				
		3. Well Number: 009H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:N Lot:N Section:7 Township:24S Range:33E Feet from:190 N/S Line:S Feet from:1840 E/W Line:W				
		5. Bottom Hole Location: Unit:D Lot:1 Section:7 Township:24S Range:33E Feet from:227 N/S Line:N Feet from:1245 E/W Line:W				
		6. latitude: longitude: 32.2254933450619 -103.613824993789				
		7. County: Lea				
8. Operator Name and Address: COG PRODUCTION, LLC 600 W. Illinois Ave Midland 79701		9. OGRID: 217955	10. Phone Number: 432-685-4372			
11. Last Fracture Date: 2/21/2016 Frac Performed by: Halliburton		12. Production Type: O				
13. Pool Code(s): 96674		14. Gross Fractured Interval: 9,698 ft to 14,230 ft				
15. True Vertical Depth (TVD): 9,538 ft		16. Total Volume of Fluid Pumped: 8,468,200 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%	47.52492%
HYDROCHLORIC ACID	Halliburton	Solvent	NA	NA	0%	0%
BE-9W, Cia-Web(TM), FE-1A ACIDIZING COMPOSITION, F	Halliburton	Additive, Biocide, Breaker, Concentrate, Corrosion Inhibitor, Enzyme, Friction Reducer, Gelling Agen	NA	NA	0%	0%
WG-36 GELLING AGENT	Halliburton		NA	NA	0%	0%
Parasorb 5000, Scalesorb 12, Scaletrol 720	Baker Hughes	Additive, Scale Inhibitor	NA	NA	0%	0%
			1,2-Benzisothiazolin-3-one	2634-33-5	0.1%	1E-05%
			Acetic acid	64-19-7	60%	0.01335%
			Acetic anhydride	108-24-7	100%	0.02226%
			Alcohols ethoxylated	Confidential	5%	0.00137%
			Alcohols, C14-C15, ethoxylated	68951-67-7	30%	0.0011%
			Alkane	Confidential	1%	0.002%
			Amide	Confidential	5%	0.00137%
			Amine salts	Confidential	0.1%	0.00044%
			Ammonium chloride	12125-02-9	5%	0.00137%
			Ammonium salt	Confidential	60%	0.13068%
			Bentonite, benzyl(hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	5%	0.0249%
			C.I. Pigment Red 5	6410-41-9	1%	7E-05%
			Calcium Chloride	10043-52-4	5%	0.00581%
			Citric acid	77-92-9	60%	0.01387%
			Complex alkylamine	Proprietary	5%	0.00998%
			Crystalline silica, quartz	14808-60-7	100%	50.54685%
			Cured acrylic resin	Confidential	30%	0.00205%
			Diatomaceous earth, calined	91053-39-3	65%	0.03835%
			Enzyme	Confidential	5%	0.00035%
			Ethylene Glycol	107-21-1	30%	0.03484%
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0.01%	2E-05%
			Fatty acids, tall oil	Confidential	30%	0.0011%
			FD&C Blue 1	3844-45-9	5%	2E-05%
			Glycerine	56-81-5	60%	0.00023%
			Guar gum	9000-30-0	100%	0.49792%
			Hydrochloric acid	7647-01-0	60%	0.33114%
			Hydrotreated light petroleum distillate	64742-47-8	30%	0.00819%
			Methanol	67-56-1	60%	0.0022%
			Mineral Oil	8042-47-5	30%	0.01261%
			Olefins	Confidential	5%	0.00045%
			Organophosphorous salt	Confidential	40%	0.00807%
			Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl- omega.-hydroxy-	61827-42-7	30%	0.05985%
			Polyacrylamide copolymer	Confidential	30%	0.00819%
			Propargyl alcohol	107-19-7	10%	0.00037%
			Propylene glycol	57-55-6	60%	0.11858%
			Quaternary amine	Confidential	5%	0.01329%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	30%	0.0011%
			Silica gel	112926-00-8	1%	0.00498%
			Sodium bicarbonate	144-55-8	0.01%	2E-05%
			Sodium chloride	7647-14-5	5%	0.01226%
			Sodium perborate tetrahydrate	10486-00-7	100%	0.00496%
			Sorbitan monooleate	9005-65-6	1%	0.00027%
			polyoxyethylene derivative			
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	1%	0.00027%
			Surfactant mixture	Confidential	1%	0.00436%
			Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.01977%
			Walnut hulls	NA	100%	0.0066%
			Water	7732-18-5	100%	1.11034%
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				
Date: 5/3/2016		Senior Regulatory Title: Analyst				
E-mail Address: sdavis@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.