

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 February 15, 2012					
		1. WELL API NO: 30-025-39882					
		2. Well Name: MACHO NACHO STATE #001H					
		3. Well Number: 001H					
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:D Lot:1 Section:7 Township:24S Range:33E Feet from:380 N/S Line:N Feet from:330 E/W Line:E					
		5. Bottom Hole Location: Unit:1 Lot:1 Section:7 Township:24S Range:33E Feet from:407 N/S Line:N Feet from:383 E/W Line:W					
		6. Latitude: 32.2384426174667 Longitude: - 103.603947645382					
		7. County: Lea					
8. Operator Name and Address: COG PRODUCTION, LLC 550 W. Texas Avenue, Suite 100 Midland 79701				9. OGRID: 217955		10. Phone Number: 432-685-4372	
11. Last Fracture Date: 8/12/2012 Frac Performed by: Halliburton				12. Production Type: O			
13. Pool Code(s): 96674				14. Gross Fractured Interval: 11,106 ft to 15,208 ft			
15. True Vertical Depth (TVD): 10,878 ft				16. Total Volume of Fluid Pumped: 68,699 bbls			
17. 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				100%	86.72302%	
FE ACID - >10% HCL	Halliburton	Acid	Hydrochloric acid	7647-01-0	30%	0.78056%	
30/50 CRC Premium	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	11.89131%	
			Hexamethylenetetramine	100-97-0	2%	0.23783%	
			Phenol / formaldehyde resin	9003-35-4	5%	0.59457%	
CLA-WEB™	Halliburton	Additive	Ammonium salt	Confidential Business Information	50%	0.02246%	
LoSurf-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	0.00076%	
			Ethanol	64-17-5	60%	0.0455%	
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.02275%	
			Naphthalene	91-20-3	5%	0.00379%	
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.00379%	
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00393%	
D-AIR 3000L	Halliburton	Defoamer	Alkenes	Confidential Business Information	100%	0.00781%	
			Silica, amorphous precipitated	67762-90-7	30%	0.00234%	
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.01618%	
FR-38	Halliburton	Friction Reducer	Acetic acid	64-19-7	5%	0.00052%	
			Ammonium sulfate	Confidential Business Information	30%	0.00309%	
			Inorganic Salt				
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.00145%	
			Potassium metaborate	13709-94-9	60%	0.01743%	
CL-22 UC	Halliburton	Crosslinker	Potassium formate	590-29-4	60%	0.04512%	
Scaletrol	Halliburton				100%	0%	
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00767%	
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.00901%	
			Crystalline silica, quartz	14808-60-7	30%	0.0027%	
OptiKleen-WF™	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.00159%	
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.03964%	
BE-6 MICROBIOCIDE	Halliburton	Biocide	2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	0.00011%	
WG-35 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.21913%	
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00069%	
Ingredients Listed Below This Line Are Part of the			Acetic acid	64-19-7	0%	0%	
			Acetic anhydride	108-24-7	0%	0%	
			Acrylamide copolymer	Proprietary	0%	0%	
			Acrylate Polymer	Confidential Business Information	0%	0%	
			Amine Salt	Confidential Business Information	0%	0%	
			Amine Salts	Confidential Business Information	0%	0%	
			Amine Salts	Confidential Business Information	0%	0%	
			Borate salts	Confidential Business Information	0%	0%	
			Citric acid	77-92-9	0%	0%	
			Crystalline silica, quartz	14808-60-7	0%	0%	
			Cured Acrylic Resin	Confidential Business Information	0%	0%	
			Defoamer	Proprietary	0%	0%	
			Ethoxylated Nonylphenol	Confidential Business Information	0%	0%	
			Glycerine	56-81-5	0%	0%	
			Modified acrylamide copolymer	Proprietary	0%	0%	
			Modified acrylate polymer	Proprietary	0%	0%	
			Modified Bentonite	Confidential Business Information	0%	0%	
			Oxyalkylated Phenolic Resin	Confidential Business Information	0%	0%	
			Oxyalkylated Phenolic Resin	Confidential Business Information	0%	0%	
			Polypropylene glycol	25322-69-4	0%	0%	
			Quaternary Amine	Confidential Business Information	0%	0%	
			Quaternary Amine	Confidential Business Information	0%	0%	
			Quaternary Amine	Confidential Business Information	0%	0%	
			Silica, amorphous - fumed	7631-86-9	0%	0%	
			Sodium acetate	127-09-3	0%	0%	
			Sodium carboxymethyl cellulose	9004-32-4	0%	0%	
			Sodium Chloride	7647-14-5	0%	0%	
Sodium glycollate	2836-32-0	0%	0%				
Sodium sulfate	7757-82-6	0%	0%				
Trimethylamine, N-oxide	1184-78-7	0%	0%				
Water	7732-18-5	0%	0%				
18. 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: <u>Signed Electronically</u>		Printed Name: <u>Monti Sanders</u>		Permitting / ROW Title: <u>Technician</u>			
Date: <u>9/25/2012</u>							
E-mail Address: <u>msanders@concho.com</u>							

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.