

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: 30-025-39883					
		2. Well Name: MACHO NACHO STATE #002H					
		3. Well Number: 002H					
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒Original ☐Amendment		4. Surface Hole Location: Unit:H Lot:H Section:7 Township:24S Range:33E Feet from:1870 N/S Line:N Feet from:330 E/W Line:E					
		5. Bottom Hole Location: Unit:2 Lot:2 Section:7 Township:24S Range:33E Feet from:1894 N/S Line:N Feet from:357 E/W Line:W					
		6. latitude: 32.2343468002917 longitude: - 103.603951125436					
		7. County: Lea					
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: 8/4/2013 Frac Performed by: Halliburton				12. Production Type: O			
13. Pool Code(s): 96674				14. Gross Fractured Interval: 11,126 ft to 15,200 ft			
15. True Vertical Depth (TVD): 10,893 ft				16. Total Volume of Fluid Pumped: 2,704,842 gals			
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%	85.01221%	
FE ACID - <10% HCL	Halliburton		Hydrochloric acid	7647-01-0	10%	0.20591%	
CRC PREMIUM-30/50	Halliburton				100%	12.45206%	
LOSURF-360W	Halliburton				100%	0%	
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.00901%	
Cla-Web™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.02914%	
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.0042%	
CL-22 UC	Halliburton	Crosslinker	Potassium formate	590-29-4	60%	0.03961%	
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.00129%	
			Potassium metaborate	13709-94-9	60%	0.01549%	
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.01007%	
D-AIR 3000L	Halliburton	Defoamer	Alkenes	Confidential Business Information	100%	0.01243%	
			Silica, amorphous precipitated	67762-90-7	30%	0.00373%	
3rd Party Scale Inhibitor	Operator	*3rd Party Additive	*Supplied by Operator		100%	0.00254%	
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.17911%	
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00062%	
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.00943%	
			Crystalline silica, quartz	14808-60-7	30%	0.00283%	
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.02075%	
3rd Party Corrosion Inhibitor	Operator	*3rd Party Additive	*Supplied by Operator		100%	0.02075%	
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: Signed Electronically Printed Name: Kacie Connally Title: Permitting Tech							
Date: 10/10/2013							
E-mail Address: kconnally@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.