

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. 30-025-40240				
		2. Well Name: MC FEDERAL #062				
		3. Well Number: 062				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amended		4. Surface Hole Location: Unit:L Lot:L Section:21 Township:17S Range:32E Feet from:2012 N/S Line:S Feet from:553 E/W Line:W				
		5. Bottom Hole Location: Unit:L Lot:L Section:21 Township:17S Range:32E Feet from:2012 N/S Line:S Feet from:553 E/W Line:W				
		6. latitude: longitude: 32.7893714403939 - 103.795391039221				
		7. County: Lea				
8. Operator Name and Address: COG OPERATING LLC 550 W TEXAS SUITE 1300 MIDLAND 79701			9. OGRID: 229137		10. Phone Number:	
11. Last Fracture Date: 2/13/2012 Frac Performed by: Baker Hughes			12. Production Type: O			
13. Pool Code(s): 44500			14. Gross Fractured Interval: 5,450 ft to 6,850 ft			
15. True Vertical Depth (TVD): 7,099 ft			16. Total Volume of Fluid Pumped: 12,351 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)
Water	Operator	Carrier	Water	7732-18-5	100%	84.2214682%
HCl, 10.1-15%	Baker	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.26119%
			Water	7732-18-5	85%	1.480105%
Activator, 330 gal	Baker	Activator	Alcohols, C12-14-Secondary, Methanol	84133-50-6	70%	0.02049%
				67-56-1	50%	0.0146328%
X-Cide	Baker	Biocide	2-Methyl-4-Isothiazolin-3-One	2682-20-4	5%	0.00016%
			5-Chloro-2-Methyl-4-Isothiazolin-3-	26172-55-4	10%	0.0003271%
			Crystalline Silica: Cristobalite	14464-46-1	1%	3E-05%
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1%	3.27137%
			Diatomaceous Earth, Calcined	91053-39-3	60%	0.00196%
			Magnesium Chloride	7786-30-3	5%	0.0001636%
			Magnesium Nitrate	10377-60-3	10%	0.00033%
			GBW-5	Baker	Breaker	Ammonium Persulfate
Enzyme G-I	Baker	Breaker	Hemicellulase Enzyme Concentrate	9025-56-3	3%	0.0011%
			Water	7732-18-5	97%	0.0354344%
ClayCare, tote	Baker	Clay Control	Choline Chloride	67-48-1	75%	0.03308%
			Water	7732-18-5	30%	0.0132317%
CI-27	Baker	Corrosion Inhibitor	Fatty Acids	Trade Secret	30%	0.00052%
			Methanol	67-56-1	60%	0.0010416%
			Olefin	Trade Secret	5%	9E-05%
			Polyoxyalkylenes	Trade Secret	30%	0.0005208%
			Propargyl Alcohol	107-19-7	10%	0.00017%
XLW-10A	Baker	Crosslinker	Ethylene Glycol	107-21-1	30%	0.0247193%
			Sodium Hydroxide	1310-73-2	10%	0.00824%
			Sodium Tetraborate	1330-43-4	30%	0.0247193%
Bio-Sealers MR	Baker	Degradable Sealers	Non-Hazardous Ingredient	Trade Secret	100%	0.00203%
FRW-14 (Small)	Baker	Friction Reducer	No Hazardous Ingredients	N.A.	100%	0.0019278%
GW-4LDF	Baker	Gelling Agent	Guar Gum	9000-30-0	40%	0.17205%
			Petroleum Distillates Blend	Trade Secret	70%	0.3010956%
Ferotrol 280L	Baker	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.01019%
			Ammonium Hydroxide	1336-21-6	5%	0.0005095%
			Cupric Chloride	7447-39-4	5%	0.00051%
NE-945, tote	Baker	Non-emulsifer	Oxyalkylated Alcohol	Trade Secret	5%	0.0041815%
Sand, White, 16/30	Baker	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	10.90806%
SiberProp, 16/30	Baker	Proppant	Quartz (SiO2)	14808-60-7	100%	2.0484986%
Scaletrol 721, tote	Baker	Scale Inhibitor	Diethylene Glycol	111-46-6	1%	0.00029%
			Ethylene Glycol	107-21-1	15%	0.0043134%
			Synthetic Polymer	Trade Secret	15%	0.00431%
ES-4A,	Baker	Solvent	Petroleum Distillates Blend	Trade Secret	100%	0.014289%
InFlo 250W	Baker	Surfactant	2-Butoxyethanol	111-76-2	5%	0.00409%
			Methanol	67-56-1	30%	0.0245484%
			Surfactants	Trade Secret	80%	0.06546%
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: Debora Wilbourn		Title: Operations Assistant		
Date: 4/18/2012						
E-mail Address: dwilbourn@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.