

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: 30-015-40360				
		2. Well Name: SUBMARINE 11 FEDERAL COM #004H				
		3. Well Number: 004H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:E Lot:E Section:11 Township:17S Range:29E Feet from:2285 N/S Line:N Feet from:130 E/W Line:W				
		5. Bottom Hole Location: Unit:H Lot:H Section:11 Township:17S Range:29E Feet from:2291 N/S Line:N Feet from:343 E/W Line:E				
		6. Latitude: 32.8501717586515 Longitude: - 104.053642380565				
		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: 1/16/2013 Frac Performed by: Halliburton				12. Production Type: O		
13. Pool Code(s): 97917				14. Gross Fractured Interval: 5,464 ft to 9,694 ft		
15. True Vertical Depth (TVD): 5,176 ft				16. Total Volume of Fluid Pumped: 28,494 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%	85.59614%
HYDROCHLORIC ACID 10-30%	Halliburton	Solvent	Hydrochloric acid	7647-01-0	30%	2.4226%
Premium Brown 16/30	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	9.5747%
CRC 16/30	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	1.72308%
			Hexamethylenetetramine	100-97-0	2%	0.03446%
			Phenol / formaldehyde resin	9003-35-4	5%	0.08615%
100 MESH SUPERSET W	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	0.35161%
	Halliburton	Activator	Methanol	67-56-1	60%	0.01003%
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.01003%
BE-7™	Halliburton	Biocide	Sodium hydroxide	1310-73-2	2%	0.00014%
			Sodium hypochlorite	7681-52-9	30%	0.00206%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.00024%
CAT-4	Halliburton	Activator	Diethylenetriamine	111-40-0	60%	0.04222%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.02021%
			Monoethanolamine borate	26038-87-9	100%	0.06735%
LCA-1	Halliburton	Solvent	Paraffinic solvent	Confidential Business Information	100%	0.00504%
FDP-C696-03	Halliburton				100%	0%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00135%
			Walnut hulls	Mixture	100%	0.0045%
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.01201%
K-35	Halliburton	Additive	Sodium carbonate	497-19-8	100%	0.00043%
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:	Chasity Jackson	
Date:		2/15/2013		Title:	Regulatory Analyst	
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.						