

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: 30-015-40823				
		2. Well Name: BRUTUS 12 FEDERAL COM #002H				
		3. Well Number: 002H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:O Lot:O Section:12 Township:26S Range:28E Feet from:370 N/S Line:S Feet from:2260 E/W Line:E				
		5. Bottom Hole Location: Unit:B Lot:B Section:12 Township:26S Range:28E Feet from:343 N/S Line:N Feet from:2238 E/W Line:E				
		6. Latitude: 32.0508777181681 Longitude: - 104.039437403403				
		7. County: Eddy				
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: 4/16/2013 Frac Performed by: Halliburton		12. Production Type: O				
13. Pool Code(s): 51010		14. Gross Fractured Interval: 8,478 ft to 12,570 ft				
15. True Vertical Depth (TVD): 8,350 ft		16. Total Volume of Fluid Pumped: 61,729 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)
Field Salt Water	Operator				100%	84.22304%
HYDROCHLORIC ACID 10-30%	Halliburton	Solvent	Hydrochloric acid	7647-01-0	30%	2.41127%
Premium White 20/40	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	10.29318%
CRC 20/40	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	2.64644%
			Hexamethylenetetramine	100-97-0	2%	0.05293%
			Phenol / formaldehyde resin	9003-35-4	5%	0.13232%
LOSURF-360W	Halliburton				100%	0%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.00011%
CLA-WEB™	Halliburton	Additive	Ammonium salt	Confidential Business Information	50%	0.02311%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.0041%
FR-38	Halliburton	Friction Reducer	Acetic acid	64-19-7	5%	0.00126%
			Ammonium sulfate Inorganic Salt	Confidential Business Information	30%	0.00756%
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.06132%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.00875%
			Monoethanolamine borate	26038-87-9	100%	0.02916%
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.02369%
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.02369%
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00175%
D-AIR 3000L	Halliburton	Defoamer	Alkenes	Confidential Business Information	100%	0.00134%
			Silica, amorphous precipitated	67762-90-7	30%	0.0004%
Scaletrol	Halliburton				100%	0%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.10629%
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%	0.02145%
OptiKleen-WF™	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.00296%
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 - NM		
Date: 5/14/2013						
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.