

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: 30-015-39734							
		2. Well Name: COTTONMOUTH 13 FEDERAL COM							
		3. Well Number: 001H							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:N Lot:N Section:13 Township:26S Range:28E Feet from:810 N/S Line:S Feet from:2630 E/W Line:W							
		5. Bottom Hole Location: Unit:N Lot: Section:24 Township:26S Range:28E Feet from:316 N/S Line:S Feet from:2254 E/W Line:W							
		6. Latitude: longitude: 32.0375632811551 - 104.040654300185							
		7. County: Eddy							
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: 3/25/2012 Frac Performed by: Halliburton				12. Production Type: O					
13. Pool Code(s): 51010				14. Gross Fractured Interval: 7,235 ft to 12,562 ft					
15. True Vertical Depth (TVD): 7,034 ft				16. Total Volume of Fluid Pumped: 82,696 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				0%	0%			
HCL Acid	Halliburton				0%	0%			
ClaWeb	Halliburton	Clay Control	Ammoninum Salt		60%	0.04258%			
Parasorb	Operator				0%	0%			
Scaletrol	Operator				0%	0%			
SSA-2	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	1.1551%			
SAND - PREMIUM BROWN	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	7.69238%			
CRC SAND	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	1.10856%			
			Hexamethylenetetramine	100-97-0	2%	0.02217%			
			Phenol / formaldehyde resin	9003-35-4	5%	0.05543%			
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	4.06838%			
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.0002%			
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.00618%			
			Monoethanolamine borate	26038-87-9	100%	0.02059%			
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.00642%			
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.00642%			
FR-48	Halliburton	Friction Reducer	Contains no hazardous substances	Mixture	100%	0.02471%			
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polypichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.04075%			
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00384%			
LoSurf-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	0.00081%			
			Ethanol	64-17-5	60%	0.04859%			
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.0243%			
			Naphthalene	91-20-3	5%	0.00405%			
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.00405%			
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00669%			
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.12783%			
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00146%			
			Walnut hulls	Mixture	100%	0.00485%			
OptiKleen-WF™	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.0027%			
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.01386%			
Ingredients Listed Below This Line Are Part of the			1,2-Benzisothiazolin-3-one	2634-33-5	0%	0%			
			2,2'-Azobis-[2-(imidazlin-2-yl)propane]-dihydrochloride	27776-21-2	0%	0%			
			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl)azo]-, trisodium salt	915-67-3	0%	0%			
			Acrylamide	Confidential Business Information	0%	0%			
			Aluminum chloride, basic	1327-41-9	0%	0%			
			Ammonium salt	Confidential Business Information	0%	0%			
			Ammonium Sulfate	7783-20-2	0%	0%			
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0%			
			C.I. Pigment Red 5	6410-41-9	0%	0%			
			Calcium chloride	10043-52-4	0%	0%			
			Crystalline Silica, Quartz	14808-60-7	0%	0%			
			Cured Acrylic Resin	Confidential Business Information	0%	0%			
			Cured Acrylic Resin	Confidential Business Information	0%	0%			
			Enzyme	Confidential Business Information	0%	0%			
			Enzyme	Confidential Business Information	0%	0%			
			Glycerine	56-81-5	0%	0%			
			Oxyalkylated Phenolic Resin	Confidential Business Information	0%	0%			
			Oxyalkylated Phenolic Resin	Confidential Business Information	0%	0%			
			Polyacrylate	Confidential Business Information	0%	0%			
			Polydimethyl dially ammonium chloride	26062-79-3	0%	0%			
			Polymer	Confidential Business Information	0%	0%			
			Silica gel	112926-00-8	0%	0%			
			Sodium chloride	7647-14-5	0%	0%			
			Sodium sulfate	7757-82-6	0%	0%			
			Surfactant blend	Proprietary	0%	0%			
			Surfactant Mixture	Confidential Business Information	0%	0%			
			Surfactant Mixture	Confidential Business Information	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>Stormi Davis</u>		Senior Regulatory Title: <u>Analyst</u>		
			Date: <u>5/22/2012</u>						
			E-mail Address: <u>sdavis@concho.com</u>						

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