

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. 30-015-39791				
		2. Well Name: COPPERHEAD 31 FEDERAL COM				
		3. Well Number: 002H				
HYDRAULIC FRACTURING FLUID DISCLOSURE <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment		4. Surface Hole Location: Unit:G Lot:6 Section:31 Township:26S Range:29E Feet from:480 N/S Line:S Feet from:2140 E/W Line:E				
		5. Bottom Hole Location: Unit:G Lot:G Section:30 Township:26S Range:29E Feet from:1615 N/S Line:N Feet from:2175 E/W Line:E				
		6. Latitude: 32.001422782188 Longitude: - 104.022234334643				
		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: 5/11/2012 Frac Performed by: Halliburton		12. Production Type: O				
13. Pool Code(s): 97876		14. Gross Fractured Interval: 8,469 ft to 13,401 ft				
15. True Vertical Depth (TVD): 8,302 ft		16. Total Volume of Fluid Pumped: 64,826 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%
HYDROCHLORIC ACID 5-10%	Halliburton	Solvent	Hydrochloric acid	7647-01-0	10%	1.9097%
Ottawa 20/40	Halliburton				0%	0%
Super LC 16/30	Halliburton				0%	0%
SUPERSET W	Halliburton	Activator	Methanol Ethoxylated nonylphenol	67-56-1 Confidential Business Information	60% 60%	0.00443% 0.00443%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00357%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.00015%
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00029%
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.05356%
CLA-WEB™	Halliburton	Additive	Proprietary	Confidential Business Information	60%	0.01293%
BC-140 X2	Halliburton	Initiator	Ethylene glycol Monoethanolamine borate	107-21-1 26038-87-9	30% 100%	0.00787% 0.02624%
FR-38	Halliburton	Friction Reducer	Acetic acid Ammonium sulfate Inorganic Salt	64-19-7 Confidential Business Information	5% 30%	0.00167% 0.01003%
LoSurf-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	95-63-6 64-17-5 64742-94-5 91-20-3 127087-87-0	1% 60% 30% 5% 5%	0.00074% 0.04446% 0.02223% 0.00371% 0.00371%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.10903%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz Walnut hulls	14808-60-7 Mixture	30% 100%	0.00145% 0.00483%
OptiKleen-WF™	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.00393%
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.01768%
Ingredients Listed Below This Line Are Part of the			1,2-Benzisothiazolin-3-one	2634-33-5	0%	0%
			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt	915-67-3	0%	0%
			Acrylamide copolymer	Proprietary	0%	0%
			Amine Salt	Confidential Business Information	0%	0%
			Amine Salts	Confidential Business Information	0%	0%
			Amine Salts	Confidential Business Information	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%
			Defoamer	Proprietary	0%	0%
			Enzyme	Confidential Business Information	0%	0%
			Enzyme	Confidential Business Information	0%	0%
			Glycerine	56-81-5	0%	0%
			Modified acrylamide copolymer	Proprietary	0%	0%
			Modified acrylate polymer	Proprietary	0%	0%
			Oxyalkylated Phenolic Resin	Confidential Business Information	0%	0%
			Oxyalkylated Phenolic Resin	Confidential Business Information	0%	0%
			Quaternary Amine	Confidential Business Information	0%	0%
			Quaternary Amine	Confidential Business Information	0%	0%
			Quaternary Amine	Confidential Business Information	0%	0%
			Silica gel	112926-00-8	0%	0%
			Silica, amorphous - fumed	7631-86-9	0%	0%
			Sodium acetate	127-09-3	0%	0%
			Sodium chloride	7647-14-5	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: Signed Electronically		Printed Name: Monti Sanders		Permitting / ROW Title: Technician		
Date: 6/6/2012						
E-mail Address: msanders@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.						