

1. WELL API NO. 30-015-39542
2. Well Name: COPPERHEAD 30 FEE #001H
3. Well Number: 001H
4. Surface Hole Location: Unit:A Lot:A Section:30 Township:26S Range:29E Feet from:480 N/S Line:N Feet from:480 E/W Line:E
5. Bottom Hole Location: Unit:D Lot:D Section:30 Township:26S Range:29E Feet from:374 N/S Line:N Feet from:347 E/W Line:W
6. Latitude: 32.019552362978 Longitude: 104.016734996681
7. County: Eddy

**HYDRAULIC FRACTURING FLUID DISCLOSURE**

Original

Amendment

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
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11. Last Fracture Date: 7/31/2012 Frac Performed by: Halliburton	12. Production Type: O
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13. Pool Code(s): 96053	14. Gross Fractured Interval: 7,300 ft to 11,148 ft
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15. True Vertical Depth (TVD): 7,051 ft	16. Total Volume of Fluid Pumped: 66,169 bbls
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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%	84.33649%
FE ACID - >10% HCL	Halliburton	Acid	Hydrochloric acid	7647-01-0	30%	0.41887%
100 Mesh	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	1.1853%
20/40 Brady Sand	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	12.07563%
CRC-20/40	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	0.99528%
			Hexamethylenetetramine	100-97-0	2%	0.01991%
			Phenol / formaldehyde resin	9003-35-4	5%	0.04976%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	5E-05%
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polypichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.05019%
LOSURF-300 NONIONIC SURFACTANT	Halliburton	Surfactant	Isopropanol	67-63-0	60%	0.04725%
			Light aromatic solvent	64742-95-6	30%	0.02362%
			Ethoxylated nonylphenol	Confidential Business Information	10%	0.00787%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00434%
SCALECHEK LP -55 SCALE INHIBITOR	Halliburton	Scale Inhibitor	Polyacrylate	Confidential Business Information	60%	0.01441%
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.00641%
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.00641%
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00319%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.01394%
			Monoethanolamine borate	26038-87-9	100%	0.04645%
FR-38	Halliburton	Friction Reducer	Acetic acid	64-19-7	5%	0.00126%
			Ammonium sulfate	Confidential Business Information	30%	0.00753%
			Inorganic Salt			
CLA-WEB™	Halliburton	Additive	Ammonium salt	Confidential Business Information	50%	0.02571%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.0021%
			Walnut hulls	Mixture	100%	0.00701%
OptiKleen-WF™	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.0024%
WG-35 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.14797%
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.01421%
Parasorf	Halliburton				100%	0.01421%
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%
			2,7-Naphthalenedisulfonic acid, 5-(acetylamino)-4-hydroxy-3-[(2-methoxyphenyl)azo]-, disodium salt	6625-46-3	0%	0%
			Acetic acid	64-19-7	0%	0%
			Acetic anhydride	108-24-7	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%
			C.I. Pigment Red 5	6410-41-9	0%	0%
			Calcium chloride	10043-52-4	0%	0%
			Citric acid	77-92-9	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%
			Ethoxylated Nonylphenol	Confidential Business Information	0%	0%
			Food red 10	3734-67-6	0%	0%
			Formaldehyde polymer with 4,1,1-dimethylethyl phenolmethyl oxirane	29316-47-0	0%	0%
			Formaldehyde polymer with methyl oxirane, 4-nonylphenol and oxirane	63428-92-2	0%	0%
			Glycerine	56-81-5	0%	0%
			Modified acrylamide copolymer	Proprietary	0%	0%
			Modified acrylate polymer	Proprietary	0%	0%
			Modified Bentonite	Confidential Business Information	0%	0%
			Naphthalene	91-20-3	0%	0%
			Quaternary Amine	Confidential Business Information	0%	0%
			Quaternary Amine	Confidential Business Information	0%	0%
			Quaternary Amine	Confidential Business Information	0%	0%
		Silica, amorphous - fumed	7631-86-9	0%	0%	
		Sodium acetate	127-09-3	0%	0%	
		Sodium chloride	7647-14-5	0%	0%	
		Sodium sulfate	7757-82-6	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: 8/15/2012

E-mail Address: msanders@concho.com

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