

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: 30-025-40594						
		2. Well Name: BUFFLEHEAD 10 FEDERAL #002H						
		3. Well Number: 002H						
<b>HYDRAULIC FRACTURING FLUID DISCLOSURE</b>  <input checked="" type="checkbox"/> Original  <input type="checkbox"/> Amendment		4. Surface Hole Location: Unit:A Lot:A Section:10 Township:26S Range:32E Feet from:330 N/S Line:N Feet from:480 E/W Line:E						
		5. Bottom Hole Location: Unit:P Lot:P Section:10 Township:26S Range:32E Feet from:360 N/S Line:S Feet from:358 E/W Line:E						
		6. latitude: 32.0641603534501 longitude: - 103.655743092706						
		7. County: Lea						
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: 11/9/2012 Frac Performed by: Halliburton		12. Production Type: O						
13. Pool Code(s): 97838		14. Gross Fractured Interval: 9,720 ft to 13,810 ft						
15. True Vertical Depth (TVD): 9,529 ft		16. Total Volume of Fluid Pumped: 71,335 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%	84.21381%		
FE ACID - <10% HCL	Halliburton	Solvent	Hydrochloric acid	7647-01-0	10%	1.78921%		
100 MESH	Halliburton				100%	3.37131%		
30/50 Ottawa	Halliburton				100%	10.0933%		
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.05157%		
FR-38	Halliburton	Friction Reducer	Acetic acid Ammonium sulfate Inorganic Salt	64-19-7 Confidential Business Information	5% 30%	0.00147% 0.00881%		
CL-22 UC	Halliburton	Crosslinker	Potassium formate	590-29-4	60%	0.01979%		
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide Potassium metaborate	1310-58-3 13709-94-9	5% 60%	0.00169% 0.02025%		
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00407%		
CLA-WEB™	Halliburton	Additive	Ammonium salt	Confidential Business Information	50%	0.02283%		
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00417%		
FDP-S1041-12	Halliburton	Non-ionic Surfactant	Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-.omega.-hydroxy- Complex alkylamine	61827-42-7	30% 5%	0.05971% 0.00995%		
Scaletrol	Baker Hughes	*3rd Party Additive	*Supplied byBaker Hughes		100%	0.0025%		
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz Walnut hulls	14808-60-7 Mixture	30% 100%	0.00187% 0.00624%		
OptiKleen-WF™	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.00297%		
Scalechek® SCP -2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.01011%		
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.14071%		
Parasorb	Baker Hughes	*3rd Party Additive	*Supplied byBaker Hughes		100%	0.01011%		
Ingredients Listed Below This Line Are Part of the			Acrylamide copolymer	Proprietary	0%	0%		
			Acrylate Polymer	Confidential Business Information	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%		
			Borate salts	Confidential Business Information	0%	0%		
			C.I. Pigment Red 5	6410-41-9	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%		
			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 carboxymethyl cellulose	9004-32-4	0%	0%		
			Sodium chloride	7647-14-5	0%	0%		
			Sodium glycolate	2836-32-0	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 Technician	
Date: 12/5/2012								
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.