

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			
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment			1. WELL API NO: 30-015-40538			
			2. Well Name: CANVASBACK 13 FEDERAL #002H			
			3. Well Number: 002H			
			4. Surface Hole Location: Unit:A Lot:A Section:13 Township:24S Range:31E Feet from:330 N/S Line:N Feet from:480 E/W Line:E			
			5. Bottom Hole Location: Unit:P Lot:P Section:13 Township:24S Range:31E Feet from:315 N/S Line:S Feet from:497 E/W Line:E			
			6. Iatitude: 32.2236934904017 longitude: - 103.724530434716			
			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: 9/30/2012 Frac Performed by: Halliburton			12. Production Type: O			
13. Pool Code(s): 13367			14. Gross Fractured Interval: 8,616 ft to 12,661 ft			
15. True Vertical Depth (TVD): 8,415 ft			16. Total Volume of Fluid Pumped: 46,039 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%	85.67648%
FE ACID - <10% HCL	Halliburton	Solvent	Hydrochloric acid	7647-01-0	10%	2.28724%
20/40 Brady	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	8.35189%
CRC-16/30	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	0.84256%
			Hexamethylenetetramine	100-97-0	2%	0.01685%
			Phenol / formaldehyde resin	9003-35-4	5%	0.04213%
CRC-20/40	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	2.25669%
			Hexamethylenetetramine	100-97-0	2%	0.04513%
			Phenol / formaldehyde resin	9003-35-4	5%	0.11283%
FR-38	Halliburton	Friction Reducer	Acetic acid	64-19-7	5%	0.00072%
			Ammonium sulfate	Confidential Business Information	30%	0.00434%
			Inorganic Salt			
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.01928%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00376%
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00042%
CLA-WEB™	Halliburton	Additive	Ammonium salt	Confidential Business Information	50%	0.02417%
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.03303%
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.03303%
BC-140	Halliburton	Crosslinker	Ethylene glycol	107-21-1	30%	0.01856%
			Monoethanolamine borate	26038-87-9	60%	0.03712%
FDP-S1011-11	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30%	0.02759%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.00022%
Scaletrol	Halliburton				100%	0%
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.00782%
			Crystalline silica, quartz	14808-60-7	30%	0.00235%
OptiKleen-WF™	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.00133%
WG-35 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.1899%
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.02128%
Scalechek® HTM Scale Inhibitor	Halliburton	Scale Inhibitor	Organic acid salt	Mixture	100%	0.02128%
Ingredients Listed Below This Line Are Part of the			1,2-Benzisothiazolin-3-one	2634-33-5	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%
			Calcium chloride	10043-52-4	0%	0%
			Crystalline silica, quartz	14808-60-7	0%	0%
			Cured Acrylic Resin	Confidential Business Information	0%	0%
			Defoamer	Proprietary	0%	0%
			Enzyme	Confidential Business Information	0%	0%
			Ethoxylated Nonylphenol	Confidential Business Information	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%
			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%
			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: 11/9/2012						
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.