

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. 30-015-39191				
		2. Well Name: CANVASBACK 13 FEDERAL #001H				
		3. Well Number: 001H				
<b>HYDRAULIC FRACTURING FLUID DISCLOSURE</b>  <input checked="" type="checkbox"/> Original  <input type="checkbox"/> Amended		4. Surface Hole Location: Unit:D Lot:D Section:13 Township:24S Range:31E Feet from:330 N/S Line:N Feet from:480 E/W Line:W				
		5. Bottom Hole Location: Unit:M Lot:M Section:13 Township:24S Range:31E Feet from:342 N/S Line:S Feet from:438 E/W Line:W				
		6. latitude: longitude: 32.2237100682425 - 103.738489831238				
		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: 3/10/2012 Frac Performed by: Halliburton				12. Production Type: O		
13. Pool Code(s): 96556				14. Gross Fractured Interval: 8,557 ft to 12,643 ft		
15. True Vertical Depth (TVD): 8,388 ft				16. Total Volume of Fluid Pumped: 46,893 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%	92.36443%
Hydrochloric Acid 5-10%	Halliburton	Solvent	Hydrochloric Acid	7647-01-0	10%	2.37674%
Cla-Web	Operator	Additive	Proprietary	Confidential Business Information	0.6%	0.00784%
Brady-20/40	Halliburton				100%	0.88318%
CRC-20/40	Halliburton				100%	3.78444%
HpH Breaker	Halliburton	Breaker	Sodium Chloride	7647-14-5	30%	0.00015%
BC-140 X2	Halliburton	Initiator	Ethylene Glycol	107-21-1	30%	0.01914%
			Monoethanolamine borate	26038-87-9	100%	0.06379%
FR-48	Halliburton	Friction Reducer	Contains no hazardous substances	Mixture	100%	0.01357%
Superset W	Halliburton	Activator	Methanol	67-56-1	60%	0.01306%
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.01306%
BE-9	Halliburton	Biocide	Tributyl Tetradecyl Phosphonium Chloride	81741-28-8	10%	0.00432%
LoSurf-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	0.00084%
			Ethanol	64-17-5	60%	0.05064%
			Heavy Aromatic Petroleum Naphtha	64742-94-5	30%	0.02532%
			Naphthalene	91-20-3	5%	0.00422%
			Poly(oxy-1,2-ethanediyl),alpha-(4-nonylphenyl)-omega-hydroxy-,branched	127087-87-0	5%	0.00422%
3rd Party Scale Inhibitor	Operator	*3rd Party Additive	*Supplied by Operator		100%	0.02426%
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.01191%
WG-36 Gelling Agent	Halliburton	Gelling Agent	Guar Gum	9000-30-0	100%	0.21272%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline Silica, Quartz	14808-60-7	30%	0.00284%
			Walnut Hulls	Mixture	100%	0.00945%
OptiKleen-WF	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.00085%
Scalechek SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.02279%
3rd Party Additive	Operator	*3rd Party Additive	*Supplied by Operator		100%	0.0225%
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>Monti Sanders</u>		Permitting / ROW Title: <u>Technician</u>		
Date: <u>4/24/2012</u>						
E-mail Address: <u>msanders@concho.com</u>						

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.