

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: 30-015-40797			
			2. Well Name: BLACK BART 15 FEDERAL #002H			
			3. Well Number: 002H			
HYDRAULIC FRACTURING FLUID DISCLOSURE <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment			4. Surface Hole Location: Unit:O Lot:O Section:15 Township:25S Range:29E Feet from:190 N/S Line:S Feet from:1800 E/W Line:E			
			5. Bottom Hole Location: Unit:B Lot:B Section:15 Township:25S Range:29E Feet from:366 N/S Line:N Feet from:2193 E/W Line:E			
			6. Latitude: 32.1232824867934 Longitude: - 103.969597664392			
			7. County: Eddy			
8. Operator Name and Address: COG PRODUCTION, LLC 600 W. Illinois Ave Midland 79701			9. OGRID: 217955		10. Phone Number: 432-685-4372	
11. Last Fracture Date: 12/27/2012 Frac Performed by: Halliburton			12. Production Type: O			
13. Pool Code(s): 96217			14. Gross Fractured Interval: 7,913 ft to 12,237 ft			
15. True Vertical Depth (TVD): 7,714 ft			16. Total Volume of Fluid Pumped: 84,905 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%	97.08582%
FE ACID - <10% HCL	Halliburton	Solvent	Hydrochloric acid	7647-01-0	10%	2.41907%
FR-38	Halliburton	Friction Reducer	Acetic acid Ammonium sulfate Inorganic Salt	64-19-7 Confidential Business Information	5% 30%	0.00044% 0.00267%
BC-140 X2	Halliburton	Initiator	Ethylene glycol Monoethanolamine borate	107-21-1 26038-87-9	30% 100%	0.01014% 0.0338%
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00183%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00396%
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.02805%
CLA-WEB™	Halliburton	Additive	Ammonium salt	Confidential Business Information	50%	0.02294%
FDP-S1011-11	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30%	0.02718%
SUPERSET W	Halliburton	Activator	Methanol Ethoxylated nonylphenol	67-56-1 Confidential Business Information	60% 60%	0.02346% 0.02346%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.00013%
3rd Party Scale Inhibitor	Operator	*3rd Party Additive	*Supplied by Operator		100%	0.00244%
OptiKleen-WF™	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.00104%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz Walnut hulls	14808-60-7 Mixture	30% 100%	0.00177% 0.00589%
Scalechek® SCP -2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.01371%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.14716%
3rd Party Additive	Operator	*3rd Party Additive	*Supplied by Operator		100%	0.01371%
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: Kacie Connally		Title: Permitting Tech - NM
Date:		2/26/2013				
E-mail Address:		kconnally@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.