

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 November 6, 2013				
		1. WELL API NO: 30-025-42295				
		2. Well Name: BLACK PEARL 1 FEDERAL #004H				
		3. Well Number: 004H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:D Lot:4 Section:1 Township:20S Range:34E Feet from:190 N/S Line:N Feet from:1160 E/W Line:W				
		5. Bottom Hole Location: Unit:M Lot:M Section:1 Township:20S Range:34E Feet from:342 N/S Line:S Feet from:781 E/W Line:W				
		6. latitude: 32.6090974659094 longitude: -103.518654428302				
		7. County: Lea				
8. Operator Name and Address: COG OPERATING LLC One Concho Center 600 W. Illinois Ave Midland 79701		9. OGRID: 229137	10. Phone Number: 432-685-4332			
11. Last Fracture Date: 8/12/2015 Frac Performed by: Halliburton		12. Production Type: O				
13. Pool Code(s): 37570		14. Gross Fractured Interval: 11,045 ft to 15,333 ft				
15. True Vertical Depth (TVD): 10,959 ft		16. Total Volume of Fluid Pumped: 7,016,922 gals				
17. Total Volume of Re-Use Water Pumped: N/A		18. Percent of Re-Use Water in Fluid Pumped: Not Disclosed				
19. 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	Base Fluid	Fresh Water	7732-18-5	100%	88.17855%
HYDROCHLORIC ACID	Halliburton	Base Fluid	NA	NA	0%	0%
BE-9, CL-28M CROSSLINKER, CL-31 CROSSLINKER, CLA-S	Halliburton	Additive, Biocide, Breaker, Clay Stabilizer, Clay Corrosion Inhibitor, Crosslinker, Gelli	NA	NA	0%	0%
SAND-COMMON WHITE-100 MESH, SSA-2, BULK (100003676	Halliburton	Scale Preventer, Surfactant	NA	NA	0%	0%
Parasorb 5000, Scaletrol 720	Baker Hughes	Additive, Scale Inhibitor	NA Acetic acid Acetic anhydride Alcohols, C14-C15, ethoxylated Alkane Amine salts Ammonium persulfate Ammonium salt Bentonite, benzyl(hydrogenated tallow alkyl) dimethylammonium stearate complex Borate salts Calcium chloride Citric acid Complex alkylamine Crystalline silica, quartz Crystalline Silica, Quartz Crystalline silica, Quartz Cured acrylic resin Diatomaceous earth , calcined Ethylene glycol Ethylenediaminetetraacetic acid, tetrasodium salt Fatty acids, tall oil Glassy calcium magnesium phosphate Guar gum Hexamethylenetetramine Hydrochloric acid Inorganic mineral Methanol Mineral oil Mullite Olefins Phenol / formaldehyde resin Poly(oxy-1,2-ethanediyl), ,alpha -isodecyl- omega -hydroxy- Polyepichlorohydrin, trimethyl amine quaternized Polymer Potassium hydroxide Potassium metaborate Propargyl alcohol Quaternary amine Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide Silica gel Sodium bicarbonate Sodium chloride Sodium hydroxide Sodium persulfate Sodium sulfate Surfactant mixture Tributyl tetradecyl phosphonium chloride Trimethylamine, N-oxide Water	NA 64-19-7 108-24-7 68951-67-7 Confidential Confidential 7727-54-0 Confidential 121888-68-4 Confidential 10043-52-4 77-92-9 Proprietary 14808-60-7 14808-60-7 14808-60-7 Confidential 91053-39-3 107-21-1 64-02-8 Confidential 65997-17-3 9000-30-0 100-97-0 7647-01-0 Confidential 67-56-1 8042-47-5 1302-93-8 Confidential 9003-35-4 61827-42-7 51838-31-4 Proprietary 1310-58-3 13709-94-9 107-19-7 Confidential 68527-49-1 112926-00-8 144-55-8 7647-14-5 1310-73-2 7775-27-1 7757-82-6 Confidential 81741-28-8 1184-78-7 7732-18-5	NA 60% 100% 30% 1% 0.1% 100% 60% 5% 60% 5% 60% 60% 30% 0.01% 30% 100% 100% 5% 60% 60% 30% 100% 5% 5% 30% 10% 5% 30% 1% 5% 60% 1% 5% 60% 10% 5% 30% 1% 5% 60% 10% 5% 100%	0% 0.0054% 0.00924% 0.00046% 0.00045% 0.0001% 0.00494% 0.02925% 0.00741% 0.01234% 0.00131% 0.00576% 0.00223% 9.50144% 0.00015% 9E-05% 0.00148% 0.00515% 0.00785% 0% 0.00046% 0.01655% 0.14818% 0.01209% 0.56555% 0.00103% 0.00092% 0.00257% 1.20852% 0.00018% 0.06043% 0.0134% 0.01074% 0.00021% 0.00037% 0.00449% 0.00015% 0.00297% 0.00046% 0.00148% 0% 0.00251% 0.00223% 0.11917% 0.00012% 0.00296% 0.00432% 0.0009% 1.10545%
20. 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: Stormi Davis				
Date: 9/9/2015		Title: Regulatory Analyst				
E-mail Address: sdavis@conchoresources.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.