

Submit within 45 days of well completion	<b>State of New Mexico</b> <b>Energy, Minerals and Natural Resources</b> <b>Oil Conservation Division</b> <b>1220 S. St Francis Dr.</b> <b>Santa Fe, NM 87505</b>	Revised November 8, 2013				
<b>HYDRAULIC FRACTURING FLUID DISCLOSURE</b> <input checked="" type="checkbox"/> <b>Original</b> <input type="checkbox"/> <b>Amendment</b>		1. WELL API NO. 30-025-42294	2. Well Name: BLACK PEARL 1 FEDERAL #003H			
		3. Well Number: 003H	4. Surface Hole Location: Unit: C Lot: 3 Section: 1 Township: 20S Range: 34E Feet from: 190 N/S Line: N Feet from: 1260 E/W Line: W			
		5. Bottom Hole Location: Unit: N Lot: N Section: 1 Township: 20S Range: 34E Feet from: 522 N/S Line: S Feet from: 1994 E/W Line: W	6. latitude: 32.6090982686066 longitude: -103.518328147772			
		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: 2/28/2015 Frac Performed by: Halliburton	12. Production Type: O					
13. Pool Code(s): 37570	14. Gross Fractured Interval: 11,077 ft to 15,246 ft					
15. True Vertical Depth (TVD): 10,948 ft	16. Total Volume of Fluid Pumped: 2,798,969 gals					
17. Total Volume of Re-Use Water Pumped: N/A	18. Percent of Re-Use Water in Fluid Pumped: Not Disclosed					
<b>19. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION:</b>						
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%	85.05852%
FE ACID - >10% HCL	Halliburton		Hydrochloric acid	7647-01-0	30%	0.68798%
CRC Premium 30/50	Halliburton				100%	12.01242%
LOSURF-360	Halliburton				100%	0%
Cla-Web™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.02866%
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.00909%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00428%
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00484%
CL-22 UC	Halliburton	Crosslinker	Potassium formate	590-29-4	60%	0.04267%
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.00145%
			Potassium metaborate	13709-94-9	60%	0.01744%
D-AIR 3000L	Halliburton	Defoamer	Alkenes	Confidential Business Information	100%	0.03372%
			Silica, amorphous precipitated	67762-90-7	30%	0.01012%
Scaletrol	Halliburton				100%	0%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.07784%
BE-6 MICROBIOCID	Halliburton	Biocide	2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	9E-05%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.25246%
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.00955%
			Crystalline silica, quartz	14808-60-7	30%	0.00287%
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.02004%
Parasorb	Halliburton				100%	0.02004%
Ingredients Listed Below This Line Are Part of the			Acetic acid	64-19-7	0%	0%
			Acetic anhydride	108-24-7	0%	0%
			Acrylate polymer	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%
			Citric acid	77-92-9	0%	0%
			Crystalline silica, quartz	14808-60-7	0%	0%
			Cured acrylic resin	Confidential Business Information	0%	0%
			Polypropylene glycol	25322-69-4	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%
			Sodium carboxymethyl cellulose	9004-32-4	0%	0%
			Sodium chloride	7647-14-5	0%	0%
			Sodium glycolate	2836-32-0	0%	0%
			Sodium sulfate	7757-82-6	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%
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	Title: Regulatory Analyst				
Date: 4/20/2015						
E-mail Address: sdavis@conchoresources.com						

NMOCDC does not require the reporting of information beyond MSDS data as described in 29 CFR 1910.1200. NMOCDC does not require the reporting or disclosure of proprietary, trade secret or confidential business information.