

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: 30-025-42146				
		2. Well Name: WEST PEARL 36 STATE COM #004H				
		3. Well Number: 004H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:O Lot:O Section:25 Township:19S Range:34E Feet from:250 N/S Line:S Feet from:2180 E/W Line:E				
		5. Bottom Hole Location: Unit:O Lot:O Section:36 Township:19S Range:34E Feet from:341 N/S Line:S Feet from:1997 E/W Line:E				
		6. latitude: longitude: 32.6248387259106 -103.512415383595				
		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: 2/3/2016 Frac Performed by: Halliburton		12. Production Type: O				
13. Pool Code(s): 37570		14. Gross Fractured Interval: 11,219 ft to 15,345 ft				
15. True Vertical Depth (TVD): 10,998 ft		16. Total Volume of Fluid Pumped: 7,077,361 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%	88.93114%
HYDROCHLORIC ACID	Halliburton	Base Fluid	NA	NA	0%	0%
Cla-Web II, BC-140 X2, BE-9W, FR-66, LOSURF-360W,	Halliburton	Additive, Biocide, Breaker, Concentrate, Friction Reducer, Gelling Agent, Initiator, pH Control Addi	NA	NA	0%	0%
WG-36 GELLING AGENT	Halliburton		NA	NA	0%	0%
Parasorb 5000, Scaletrol 720	Baker Hughes	Paraffin Inhibitor, Scale Inhibitor	NA	NA	0%	0%
			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt	915-67-3	0.1%	2E-05%
			Alcohols ethoxylated	Confidential	5%	0.00172%
			Alkane	Confidential	1%	0.00051%
			Amide	Confidential	5%	0.00172%
			Ammonium chloride	12125-02-9	5%	0.00172%
			Ammonium salt	Confidential	60%	0.02927%
			Bentonite, benzyl(hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	5%	0.0068%
			C.I. Pigment Red 5	6410-41-9	1%	5E-05%
			Calcium chloride (CaCl2)	10043-52-4	5%	0.00128%
			Complex alkylamine	Confidential	5%	0.00255%
			Crystalline silica, quartz	14808-60-7	100%	10.25012%
			Crystalline Silica, Quartz	14808-60-7	0.1%	0.00014%
			Crystalline silica: Quartz (SiO2)	1302-93-8	1%	8E-05%
			Cured acrylic resin	Confidential	30%	0.00154%
			Diatomaceous earth, calcined	91053-39-3	60%	0.00497%
			Enzyme	Confidential	5%	0.00025%
			Ethylene glycol	107-21-1	30%	0.00636%
			Ethylene glycol	107-21-1	30%	0.00767%
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0.01%	1E-05%
			Glassy calcium magnesium phosphate	65997-17-3	100%	0.01687%
			Glycerine	56-81-5	60%	0.00515%
			Guar gum	9000-30-0	100%	0.13593%
			Hexamethylenetetramine	100-97-0	2%	0.02296%
			Hydrochloric acid	7647-01-0	60%	0.24973%
			Hydrogen peroxide	7722-84-1	0.01%	1E-05%
			Hydrotreated light petroleum distillate	64742-47-8	30%	0.01031%
			Mineral oil vMineral oil	8042-47-5	30%	0.00249%
			Monoethanolamine borate	26038-87-9	100%	0.0212%
			Nitrotriacetic acid, trisodium salt monohydrate	5064-31-3	0.01%	1E-05%
			Phenol / formaldehyde resin	9003-35-4	5%	0.05741%
			Poly(oxy-1,2-ethanediyl), ,alpha.-isodecyl- omega -hydroxy-	61827-42-7	30%	0.01531%
			Polyacrylamide copolymer	Confidential	30%	0.01031%
			Propylene glycol	57-55-6	60%	0.02698%
			Silica gel	112926-00-8	1%	0.00136%
			Sodium bicarbonate	144-55-8	0.01%	1E-05%
			Sodium chloride	7647-14-5	5%	0.00179%
			Sodium glycolate	2836-32-0	0.01%	1E-05%
			Sodium hydroxide	1310-73-2	30%	0.00224%
			Sodium perborate tetrahydrate	10486-00-7	100%	0.00447%
			Sorbitan monooleate	9005-65-6	1%	0.00034%
			polyoxyethylene derivative			
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	1%	0.00034%
			Surfactant mixture	Confidential	1%	0.00272%
			Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.0045%
			Walnut hulls	NA	100%	0.00496%
			Water	7732-18-5	100%	0.55172%
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: 3/8/2016						
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.