

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. 30-025-42338							
		2. Well Name: BLUE JAY FEDERAL #001H							
		3. Well Number: 001H							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:O Lot:O Section:18 Township:20S Range:35E Feet from:190 N/S Line:S Feet from:2310 E/W Line:E							
		5. Bottom Hole Location: Unit:B Lot:B Section:18 Township:20S Range:35E Feet from:190 N/S Line:S Feet from:2310 E/W Line:E							
		6. latitude: 32.5664367366954 longitude: -103.495571226436							
		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: 5/21/2016 Frac Performed by: Halliburton		12. Production Type: O							
13. Pool Code(s): 97983		14. Gross Fractured Interval: 11,596 ft to 15,754 ft							
15. True Vertical Depth (TVD): 11,686 ft		16. Total Volume of Fluid Pumped: 11,598,959 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%	91.51125%			
HYDROCHLORIC ACID	Halliburton	Solvent	NA	NA	0%	0%			
Cla-Web(TM) II, DCA-23003, FDP-S1226-15, FE-1A ACI	Halliburton	Clay Stabilizer, Concentrate, Corrosion Inhibitor, Friction Reducer, Proppant, Scale Preventer, Surf	NA	NA	0%	0%			
Parasorb 5000, Scaletrol 720	Baker Hughes	Paraffin Inhibitor, Scale Inhibitor	NA	NA	0%	0%			
			Acetic acid	64-19-7	60%	0.0027%			
			Acetic anhydride	108-24-7	100%	0.00449%			
			Acrylamide	79-06-1	0.01%	1E-05%			
			Acrylamide, sodium acrylate polymer	25987-30-8	30%	0.02279%			
			Alcohols, C12-13, ethoxylated	66455-14-9	30%	0.01404%			
			Alcohols, C12-16, ethoxylated	68551-12-2	5%	0.00234%			
			Alcohols, C14-C15, ethoxylated	68951-67-7	30%	0.00022%			
			Amine	Confidential	0.1%	5E-05%			
			Amine salts	Confidential	1%	0.00056%			
			Ammonium compound	Confidential	30%	0.01519%			
			Calcium chloride (CaCl2)	10043-52-4	5%	0.00136%			
			Chlorine compound	Confidential	30%	0.01519%			
			Citric acid	77-92-9	60%	0.0028%			
			Crystalline silica, quartz	14808-60-7	100%	7.77795%			
			Crystalline silica: Quartz (SiO2)	14808-60-7	1%	5E-05%			
			Diatomaceous earth, calcined	91053-39-3	60%	0.00312%			
			Ethoxylated branched C13 alcohol	78330-21-9	5%	0.0038%			
			Ethylene glycol	107-21-1	30%	0.00816%			
			Ethylene oxide	75-21-8	0.01%	0%			
			Fatty acids, tall oil	Confidential	30%	0.00022%			
			Glassy calcium magnesium phosphate	65997-17-3	100%	0.01655%			
			Hydrochloric acid	7647-01-0	60%	0.28308%			
			Hydrotreated light petroleum distillate	64742-47-8	30%	0.02279%			
			Methanol	67-56-1	60%	0.00045%			
			Mineral oil	8042-47-5	30%	0.00156%			
			Olefins	Confidential	5%	9E-05%			
			Propargyl alcohol	107-19-7	10%	7E-05%			
			Quaternary amine	Confidential	1%	0.00124%			
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	30%	0.00022%			
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	5%	0.0038%			
			Sodium chloride	7647-14-5	1%	0.00051%			
			Sodium diacetate	126-96-5	5%	0.0038%			
			Sodium perborate tetrahydrate	10486-00-7	100%	0.00833%			
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	5%	0.0038%			
			Water	7732-18-5	100%	0.58265%			
			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: 7/21/2016						
			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.