

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: 30-025-40656							
		2. Well Name: EMERALD FEDERAL #001							
		3. Well Number: 001							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:P Lot:P Section:17 Township:17S Range:32E Feet from:730 N/S Line:S Feet from:140 E/W Line:E							
		5. Bottom Hole Location: Unit:P Lot:P Section:17 Township:17S Range:32E Feet from:730 N/S Line:S Feet from:140 E/W Line:E							
		6. latitude: longitude: 32.8293725676891 - 103.780545346808							
		7. County: Lea							
8. Operator Name and Address: CONOCOPHILLIPS COMPANY 3401 E. 30th Street Farmington 87402		9. OGRID: 217817	10. Phone Number: 505-326-9518						
11. Last Fracture Date: 1/6/2013 Frac Performed by: Trican		12. Production Type: O							
13. Pool Code(s): 44500		14. Gross Fractured Interval: 5,590 ft to 6,860 ft							
15. True Vertical Depth (TVD): 7,062 ft		16. Total Volume of Fluid Pumped: 13,059 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)			
Water	Customer	Water	Water	7732-18-5	1%	0.8497175%			
HCl 15%	Trican	Acid	Hydrochloric acid	7647-01-0	0.15%	0.0034762%			
Frac Sand - regular	Trican	Proppant	Crystalline silica	14808-60-7	1%	0.0977884%			
Frac Sand Resin Coated	Trican	Proppant	Crystalline silica	14808-60-7	1%	0.0210693%			
S-15	Trican	Surfactant	Hexamethylenetetramine	100-97-0	0.01%	0.0002107%			
			Alcohol alkoxylate	Trade Secret	0.2%	0.0001861%			
LAI-20	Trican	Acid Inhibitor	Methanol	67-56-1	0.2%	0.0001861%			
			Methanol	67-56-1	0.4%	3.42E-05%			
			Propargyl Alcohol	107-19-7	0.08%	6.8E-06%			
			thiourea-formaldehyde copolymer	68527-49-1	0.3%	2.56E-05%			
			alcohol ethoxylate surfactants	Trade Secret	0.3%	2.56E-05%			
			n-olefins	Trade Secret	0.1%	8.5E-06%			
FEAC-20	Trican	Iron Control	Acetic acid	64-19-7	0.45%	3.17E-05%			
			Citric acid	77-92-9	0.3%	2.11E-05%			
WBO-1	Trican	Breaker	Ammonium persulfate	7727-54-0	1%	0.000121%			
LCLM-30	Trican	Crosslinker	Ethylene glycol	107-21-1	0.25%	0.0003089%			
			Potassium Metaborate	16481-66-6	0%	0%			
Encap LP	Trican	Breaker	Potassium Hydroxide	1310-58-3	0.25%	0.0003089%			
			ammonium persulfate	7727-54-0	0.75%	7.37E-05%			
			crystalline silica	14808-60-7	0.1%	9.8E-06%			
pH-11	Trican	pH Buffer	cured acrylic resin	Trade Secret	0.16%	1.57E-05%			
			Talc	14807-96-6	0.02%	2E-06%			
BXL-A	Trican	Breaker Activator	potassium hydroxide	1310-58-3	0.23%	0.0002143%			
AcTivator	Trican	Resin Activator	Triethanolamine	102-71-6	0.7%	0.0006843%			
			Diethanolamine	111-42-2	0%	0%			
			Alcohols, C12-14-secondary, ethoxylated	84133-50-6	0.7%	0.0001754%			
			Methanol	67-56-1	50%	0.01253%			
Bactron K-31	Third Party	Biocide	Polyethylene glycol	25322-68-3	5%	0.00125%			
Gypton T-249	Third Party	Scale Inhibitor	Glutaraldehyde	111-30-8	25%	0.01397%			
			Amine Phosphonate 1	Proprietary	60%	0.06083%			
			Hydrochloric Acid	7647-01-0	10%	0.01014%			
			Phosphoric Acid	7664-38-2	1%	0.00101%			
			Non-MSDS Components		0%	0%			
			polysaccharide	9000-30-0	0%	0%			
			non-crystalline silica	112926-00-8	0%	0%			
					0%	0%			
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			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: Ashley Martin		Title: Staff Regulatory Technician		
Date: 3/8/2013									
E-mail Address: Ashley.Martin@conocophillips.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.