

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. 30-025-40520				
		2. Well Name: EMERALD FEDERAL #002				
		3. Well Number: 002				
HYDRAULIC FRACTURING FLUID DISCLOSURE  <input checked="" type="checkbox"/> Original  <input type="checkbox"/> Amendment		4. Surface Hole Location: Unit:P Lot:P Section:17 Township:17S Range:32E Feet from:990 N/S Line:S Feet from:665 E/W Line:E				
		5. Bottom Hole Location: Unit:P Lot:P Section:17 Township:17S Range:32E Feet from:990 N/S Line:S Feet from:665 E/W Line:E				
		6. latitude: longitude: 32.8300874956254 - 103.782263718965				
		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: 8/16/2012 Frac Performed by: Trican		12. Production Type: O				
13. Pool Code(s): 44500		14. Gross Fractured Interval: 5,451 ft to 6,660 ft				
15. True Vertical Depth (TVD): 7,212 ft		16. Total Volume of Fluid Pumped: 9,954 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 (gal)	ConocoPhillips	Base / Carrier Fluid	water	N/A	100%	82.0848%
Frac Sand Reg (lbs)	Trican Well Service	Proppant	crystalline silica	14808-60-7	100%	13.1225%
Resin Coated Sand (lbs)	Trican Well Service	Proppant	crystalline silica	14808-60-7	100%	1.6617%
			may also contain hexamethylenetetramine	100-97-0	10%	0.1662%
WG-111L	Trican Well Service	Viscosifier	light hydrotreated petroleum distillate	64742-47-8	60%	0.2789%
			polysaccharide blend	N/A	60%	0.2789%
LCLM-30	Trican Well Service	Crosslinker	Potassium Metaborate	16481-66-6	100%	0.0876%
			Potassium Hydroxide	1310-21-1	25%	0.0219%
			Ethylene Glycol	107-21-1	25%	0.0219%
CD-1	Trican Well Service	Breaker Intensifier	triethanolamine	102-71-6	95%	0.0888%
			water	7732-18-5	20%	0.0187%
WBO-1	Trican Well Service	Breaker	ammonium persulfate	7727-54-0	100%	0.0118%
pH-11	Trican Well Service	Buffering Agent	potassium hydroxide	1310-58-3	23%	0.0071%
S-15	Trican Well Service	Non-Emulsifier	alcohol alkoxylate	proprietary	20%	0.0107%
			methanol	67-56-1	20%	0.0107%
AcTivator	Trican Well Service	Resin Activator	Alcohols, C12-14-Secondary, Ethoxylated	84133-50-6	70%	0.0319%
			Methanol	67-56-1	50%	0.0228%
			Polyethylene Glycol	25322-68-3	5%	0.0023%
LAI-20	Trican Well Service	Inhibitor	methanol	67-56-1	40%	0.0019%
			propargyl alcohol	107-19-7	8%	0.0004%
FEAC-20	Trican Well Service	Iron Control	acetic acid	64-19-7	50%	0.0054%
			citric acid	77-92-9	30%	0.0033%
15% HCl	Trican Well Service	Acod	hydrochloric acid	7647-01-0	15%	0.3475%
			water	7732-18-5	85%	1.9785%
			0	0	0%	0%
				0	0%	0%
			0	0	0%	0%
			0	0	0%	0%
			0	0	0%	0%
			water	7732-18-5	85%	1.9785%
			0	0	0%	0%
			0	0	0%	0%
			0	0	0%	0%
			0	0	0%	0%
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: 9/5/2012						
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.