

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: 30-025-40894				
		2. Well Name: RUBY FEDERAL #020				
		3. Well Number: 020				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:I Lot:I Section:18 Township:17S Range:32E Feet from:2310 N/S Line:S Feet from:910 E/W Line:E				
		5. Bottom Hole Location: Unit:I Lot:I Section:18 Township:17S Range:32E Feet from:2310 N/S Line:S Feet from:910 E/W Line:E				
		6. latitude: longitude: 32.8337216426543 - 103.800238459154				
		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: 3/5/2013 Frac Performed by: Trican		12. Production Type: O				
13. Pool Code(s): 44500		14. Gross Fractured Interval: 5,392 ft to 6,625 ft				
15. True Vertical Depth (TVD): 99 ft		16. Total Volume of Fluid Pumped: 553,938 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	ConocoPhillips	Water,Surfactant,Crosslinker,pH Buffer,Resin Activator	Water	7732-18-5	100%	84.87101%
			Alcohol alkoxylate	Trade Secret	20%	0.01606%
			Methanol	67-56-1	20%	0.01606%
			Ethylene glycol	107-21-1	25%	0.02916%
			Potassium Metaborate	16481-66-6	0%	0%
			Potassium Hydroxide	1310-58-3	25%	0.02916%
			potassium hydroxide	1310-58-3	23%	0.01277%
			Alcohols, C12-14-secondary, ethoxylated	84133-50-6	70%	0.01658%
			Methanol	67-56-1	50%	0.01%
			Polyethylene glycol	25322-68-3	5%	0.00118%
			Ammonium persulfate	7727-54-0	100%	0.00529%
			ammonium persulfate	7727-54-0	75%	0.01%
			crystalline silica	14808-60-7	10%	0.00096%
			cured acrylic resin		16%	0.00154%
			Talc	14807-96-6	2%	0.00019%
			Hydrotreated Petroleum Distillate	64742-47-8	99%	0.01699%
			Alcohol Ethoxylate Surfactants		10%	0.00172%
			Triethanolamine	102-71-6	70%	0.05926%
			Diethanolamine	111-42-2	0%	0%
			Hydrochloric acid	7647-01-0	15%	0.32657%
			Acetic acid	64-19-7	45%	0.00334%
			Citric acid	77-92-9	30%	0.00222%
			Methanol	67-56-1	40%	0.00337%
			Propargyl Alcohol	107-19-7	8%	0.00067%
			thiourea-formaldehyde copolymer	68527-49-1	30%	0.00253%
			alcohol ethoxylate surfactants		30%	0.00253%
			n-olefins		10%	0.00084%
			Crystalline silica	14808-60-7	100%	10.22712%
			Crystalline silica	14808-60-7	100%	1.98882%
			Hexamethylenetetramine	100-97-0	1%	0.01989%
			Amine Phosphonate 1	Proprietary	60%	0.03646%
			Hydrochloric Acid	7647-01-0	10%	0.00608%
Phosphoric Acid	7664-38-2	1%	0.00061%			
Gluteraraldehyde	111-30-8	25%	0.01394%			
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: 3/22/2013						
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.