

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: 32.8337216426543 longitude: - 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: 6/3/2013 Frac Performed by: trican		12. Production Type: O				
13. Pool Code(s): 44500		14. Gross Fractured Interval: 5,390 ft to 6,625 ft				
15. True Vertical Depth (TVD): 6,950 ft		16. Total Volume of Fluid Pumped: 553,938 gals				
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	100%	84.87101%
S-15	Trican	Surfactant	Alcohol alkoxylate	Trade Secret	20%	0.01606%
			Methanol	67-56-1	20%	0.01606%
LCLM-30	Trican	Crosslinker	Ethylene glycol	107-21-1	25%	0.02916%
			Potassium Metaborate	16481-66-6	0%	0%
			Potassium Hydroxide	1310-58-3	25%	0.02916%
pH-11	Trican	pH Buffer	potassium hydroxide	1310-58-3	23%	0.01277%
AcTivator	Trican	Resin Activator	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%
WBO-1	Trican	Breaker	Ammonium persulfate	7727-54-0	100%	0.00529%
Encap LP	Trican	Breaker	ammonium persulfate	7727-54-0	75%	0.01%
			crystalline silica	14808-60-7	10%	0.00096%
			cured acrylic resin	Trade Secret	16%	0.00154%
			Talc	14807-96-6	2%	0.00019%
Green Flush	Trican	Flush	Hydrotreated Petroleum Distillate	64742-47-8	99%	0.01699%
			Alcohol Ethoxylate Surfactants	Trade Secret	10%	0.00172%
BXL-A	Trican	Breaker Activator	Triethanolamine	102-71-6	70%	0.05926%
			Diethanolamine	111-42-2	0%	0%
HCl 15%	Trican	Acid	Hydrochloric acid	7647-01-0	15%	0.32657%
FEAC-20	Trican	Iron Control	Acetic acid	64-19-7	45%	0.00334%
			Citric acid	77-92-9	30%	0.00222%
LAI-20	Trican	Acid Inhibitor	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	Trade Secret	30%	0.00253%
			n-olefins	Trade Secret	10%	0.00084%
Frac Sand - regular	Trican	Proppant	Crystalline silica	14808-60-7	100%	10.22712%
Frac Sand Resin Coated	Trican	Proppant	Crystalline silica	14808-60-7	100%	1.98882%
			Hexamethylenetetramine	100-97-0	1%	0.01989%
Gypton T-249	Third Party	Scale Inhibitor	Amine Phosphonate 1	Proprietary	60%	0.03646%
			Hydrochloric Acid	7647-01-0	10%	0.00608%
			Phosphoric Acid	7664-38-2	1%	0.00061%
Bactron K-31	Third Party	Biocide	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: Rhonda S Rogers		Staff Regulatory Title: Technician		
Date: 10/21/2013						
E-mail Address: rhonda.s.rogers@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.