

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: 30-025-41196							
		2. Well Name: RUBY FEDERAL #023							
		3. Well Number: 023							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:K Lot:K Section:18 Township:17S Range:32E Feet from:1815 N/S Line:S Feet from:2170 E/W Line:W							
		5. Bottom Hole Location: Unit:K Lot:K Section:18 Township:17S Range:32E Feet from:1815 N/S Line:S Feet from:2170 E/W Line:W							
		6. Latitude: 32.8323708533273 Longitude: -103.807448183507							
		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: 8/28/2013 Frac Performed by: Green Field		12. Production Type: O							
13. Pool Code(s): 44500		14. Gross Fractured Interval: 6,515 ft to 6,535 ft							
15. True Vertical Depth (TVD): 6,925 ft		16. Total Volume of Fluid Pumped: 475,188 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	ConocoPhillips	Carrier/ Base Fluid	Water	7732-18-5	100%	82.74443%			
Sand (Proppant)	Green Field	Proppant	Crystalline silica, quartz	14808-60-7	100%	13.83107%			
HCL 15	Green Field	Acid	Water	7732-18-8	86%	2.25502%			
GVA 900 L	Green Field	Gelling Agent	Hydrochloric Acid	7657-01-0	16%	0.41954%			
			Guar Gum	900-30-0	50%	0.248%			
			Petroleum Distillate	65742-47-8	50%	0.2448%			
			Clay	Proprietary	5%	0.02448%			
GXL IX5	Green Field	Crosslinker	Surfactant	Proprietary	5%	0.02448%			
			Borate Salts	Blend	60%	0.05046%			
			Water	7732-18-5	55%	0.04625%			
GCC 505	Green Field	Clay Stabilizer	Ethylene glycol	107-21-1	25%	0.02102%			
			Quaternary Ammonium Salt	67-48-1	75%	0.05919%			
			Water	7732-18-5	35%	0.02762%			
GpH 435	Green Field	Basic Buffer	Water	7732-18-5	80%	0.03442%			
			Sodium Hydroxide	1310-73-2	55%	0.02366%			
GRA 150	Green Field	Resin Activator	Methyl Alcohol	67-56-1	50%	0.01664%			
			Polythylene glycol nonylphenyl ether	9016-45-9	50%	0.01664%			
GCL 388	Green Field	Corrosion Inhibitor	Ethylene glycol	107-21-1	40%	0.0028%			
			Water	7732-18-5	25%	0.00175%			
			Dimethyl formamide	68-12-2	15%	0.00105%			
			Isoquinoline	19-65-3	10%	0.0007%			
			2- methyl quinoline	91-63-4	5%	0.00035%			
			Cinnamaldehyde	104-55-2	5%	0.00035%			
			C8- C10 Alcohol	85566-12-7	5%	0.00035%			
			2 butoxyehtanol	111-76-2	5%	0.00035%			
			Triethyl phosphate	78-40-0	5%	0.00035%			
			Nonylphenol 15 mole ethoxylate	9016-45-9	5%	0.00035%			
			Quinoline	91-22-5	2%	0.00014%			
			GIC 114	Green Field	Iron Control	Water	7732-18-5	70%	0.00383%
						Diammonium citrate (aq)	7772-98-7	60%	0.00328%
GBK 101	Green Field	Breaker	Ammonium Persulfate	7727-54-0	99%	0.00426%			
GSS 660	Green Field	Surfactant	Water	7732-18-5	70%	0.00158%			
			Proprietary Surfactant blend	Proprietary	40%	0.00091%			
			Sulfamic acid	5329-14-6	4%	9E-05%			
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		Staff Regulatory Title: Technician					
Date: 10/22/2013									
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.