

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. 30-025-41011				
		2. Well Name: RUBY FEDERAL #015				
		3. Well Number: 015				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit: J Lot: J Section: 17 Township: 17S Range: 32E Feet from: 1770 N/S Line: S Feet from: 2235 E/W Line: E				
		5. Bottom Hole Location: Unit: J Lot: J Section: 17 Township: 17S Range: 32E Feet from: 1770 N/S Line: S Feet from: 2235 E/W Line: E				
		6. Latitude: 32.8322321355527 Longitude: -103.78740247933				
		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: 7/18/2013 Frac Performed by: Trican		12. Production Type: O				
13. Pool Code(s): 44500		14. Gross Fractured Interval: 5,588 ft to 6,830 ft				
15. True Vertical Depth (TVD): 7,028 ft		16. Total Volume of Fluid Pumped: 287,455 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	Carrier	Water	7732-18-5	100%	80.20323%
15% HCL	Trican	Carrier	Hydrochloric acid	7647-01-0	15%	0.40303%
White 20/40	Trican	Proppant	Crystalline silica: Quartz (SiO2)	14808-60-7	100%	13.91747%
AcFrac SB Excel, 20/40 mesh	Trican	Proppant	Crystalline silica: Quartz (SiO2)	14808-60-7	100%	2.34031%
			Phenolic resin	Proprietary	1%	0.0234%
100 Mesh, Bulk (over 20K lbs)*	Trican	Proppant	Crystalline silica: Quartz (SiO2)	14808-60-7	100%	0.2006%
LCLM-30 (Borate Crosslinker)	Trican	Crosslinker	Potassium Metaborate	16481-66-6	99.8%	0.11173%
			Ethylene Glycol	107-21-1	25%	0.02799%
			Potassium hydroxide	1310-58-3	25%	0.02799%
BXL-A (Breaker Intensifier)	Trican	Breaker Activator	Triethanolamine	102-71-6	70%	0.05963%
			Diethanolamine	111-42-2	1%	0.00085%
S-15 (Surfactant)	Trican	Surfactant	Alcohol alkoxylate	Proprietary	20%	0.01618%
			Methanol	67-56-1	20%	0.01618%
pH-11 (pH Buffer)	Trican	pH Buffer	Potassium carbonate	584-08-7	38%	0.02214%
			Potassium hydroxide	1310-58-3	13%	0.00757%
Bactron K-31	Customer	Biocide	Gluteraraldehyde	111-30-8	25%	0.01222%
AcTivator	Trican	Resin Activator	Alcohols, C12-14-secondary, ethoxylated	84133-50-6	70%	0.02156%
			Methanol	67-56-1	50%	0.0154%
			Polyethylene glycol	25322-68-3	5%	0.00154%
LAI-20 (Acid Inhibitor)	Trican	Acid Inhibitor	Methanol	67-56-1	31%	0.00461%
			alcohol ethoxylate surfactants	Proprietary	30%	0.00446%
			modified thiourea polymer	68527-49-1	30%	0.00446%
			n-olefins	Proprietary	10%	0.00149%
			Prop-2-yn-1-ol	107-19-7	8%	0.00119%
FEAC-20 (Iron Control)	Trican	Iron Control	Acetic acid	64-19-7	45%	0.00593%
			Citric acid	77-92-9	30%	0.00395%
Encap LP (Low temp Breaker)	Trican	Breaker	ammonium persulfate	7727-54-0	75%	0.0069%
			cured acrylic resin	Proprietary	16%	0.00147%
			Crystalline silica: Quartz (SiO2)	14808-60-7	10%	0.00092%
			Talc	14807-96-6	2%	0.00018%
WBO-2 (Breaker)	Trican	Breaker	Sodium Persulfate	7775-27-1	100%	0.00502%
			Silica, Amorphous	112926-00-8	0%	0%
			polydimethylsiloxane	63148-62-9	0%	0%
			Water	7732-18-5	0%	0%
			guar gum	9000-30-0	0%	0%
			methylcellulose	9004-67-5	0%	0%
			Phenolic resin	Proprietary	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		Staff Regulatory Title: Technician		
Date: 10/16/2013						
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.