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| 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: 30-025-40522 | | | | |
| | | 2. Well Name: RUBY FEDERAL #011 | | | | |
| | | 3. Well Number: 011 | | | | |
| HYDRAULIC FRACTURING FLUID DISCLOSURE <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment | 4. Surface Hole Location: Unit:N Lot:N Section:18 Township:17S Range:32E Feet from:450 N/S Line:S Feet from:2650 E/W Line:W | | | | | |
| | 5. Bottom Hole Location: Unit:N Lot:N Section:18 Township:17S Range:32E Feet from:450 N/S Line:S Feet from:2650 E/W Line:W | | | | | |
| | 6. latitude: longitude: 32.8286164913137 -103.80587250488 | | | | | |
| | 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: 6/5/2013 Frac Performed by: Trican | | 12. Production Type: O | | | | |
| 13. Pool Code(s): 44500 | | 14. Gross Fractured Interval: 5,355 ft to 6,180 ft | | | | |
| 15. True Vertical Depth (TVD): 6,931 ft | | 16. Total Volume of Fluid Pumped: 389,227 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% | 80.60967% |
| 15% HCL | Trican | Carrier | Hydrochloric acid | 7647-01-0 | 15% | 0.34902% |
| White 20/40 | Trican | Proppant | Crystalline silica: Quartz (SiO2) | 14808-60-7 | 100% | 14.0778% |
| AcFrac SB Excel, 20/40 mesh | Trican | Proppant | Crystalline silica: Quartz (SiO2) | 14808-60-7 | 100% | 2.02452% |
| 100 Mesh, Bulk (over 20K lbs)* | Trican | Proppant | Phenolic resin | Proprietary | 1% | 0.02025% |
| | | | Crystalline silica: Quartz (SiO2) | 14808-60-7 | 100% | 0.20101% |
| | | | Potassium Metaborate | 16481-66-6 | 99.8% | 0.11394% |
| | | | Ethylene Glycol | 107-21-1 | 25% | 0.02854% |
| LCLM-30 (Borate Crosslinker) | Trican | Crosslinker | Potassium hydroxide | 1310-58-3 | 25% | 0.02854% |
| | | | Triethanolamine | 102-71-6 | 70% | 0.05844% |
| | | | Diethanolamine | 111-42-2 | 1% | 0.00084% |
| BXL-A (Breaker Intensifier) | Trican | Breaker Activator | Alcohol alkoxylate | Proprietary | 20% | 0.0149% |
| S-15 (Surfactant) | Trican | Surfactant | Methanol | 67-56-1 | 20% | 0.0149% |
| AcTivator | Trican | Resin Activator | Alcohols, C12-14- secondary, ethoxylated | 84133-50-6 | 70% | 0.05122% |
| pH-11 (pH Buffer) | Trican | pH Buffer | Methanol | 67-56-1 | 50% | 0.03658% |
| | | | Polyethylene glycol | 25322-68-3 | 5% | 0.00366% |
| | | | Potassium carbonate | 584-08-7 | 38% | 0.02556% |
| Bactron K-31 | Customer | Biocide | Potassium hydroxide | 1310-58-3 | 13% | 0.00875% |
| | | | Gluteraraldehyde | 111-30-8 | 25% | 0.01389% |
| 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% |
| | | | Acetic acid | 64-19-7 | 45% | 0.00555% |
| FEAC-20 (Iron Control) | Trican | Iron Control | Citric acid | 77-92-9 | 30% | 0.0037% |
| WBO-2 (Breaker) | Trican | Breaker | Sodium Persulfate | 7775-27-1 | 100% | 0.00951% |
| Encap LP (Low temp Breaker) | Trican | Breaker | ammonium persulfate | 7727-54-0 | 75% | 0.00653% |
| | | | cured acrylic resin | Proprietary | 16% | 0.00139% |
| | | | Crystalline silica: Quartz (SiO2) | 14808-60-7 | 10% | 0.00087% |
| | | | Talc | 14807-96-6 | 2% | 0.00017% |
| | | | Silica, Amorphous | 112926-00-8 | 0% | 0% |
| | | | Water | 7732-18-5 | 0% | 0% |
| | | | guar gum | 9000-30-0 | 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: Rhonda S Rogers | | Staff Regulatory Title: Technician | | | | |
| Date: 10/17/2013 | | | | | | |
| E-mail Address: rhonda.s.rogers@conocoPhillips.com | | | | | | |

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