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|--|---|--|--|-------------------------------------|--|--|------------|-----|--------|
| Submit within 45 days of well completion | <div>State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505</div> | Revised November 6, 2013 | | | | | | | |
| | | 1. WELL API NO: 30-025-40665 | | | | | | | |
| | | 2. Well Name: TRISTE DRAW 36 STATE #002H | | | | | | | |
| | | 3. Well Number: 002H | | | | | | | |
| <div>HYDRAULIC FRACTURING FLUID DISCLOSURE</div> <div><input checked="" type="checkbox"/> Original</div> <div><input type="checkbox"/> Amendment</div> | | 4. Surface Hole Location: Unit:D Lot:D Section:36 Township:23S Range:32E Feet from:150 N/S Line:N Feet from:1261 E/W Line:W | | | | | | | |
| | | 5. Bottom Hole Location: Unit:D Lot:D Section:36 Township:23S Range:32E Feet from:150 N/S Line:N Feet from:1261 E/W Line:W | | | | | | | |
| | | 6. latitude: 32.2680678197903 longitude: -103.632746545334 | | | | | | | |
| | | 7. County: Lea | | | | | | | |
| | | | | | | | | | |
| 8. Operator Name and Address: CIMAREX ENERGY CO. 600 N MARIENFELD STREET SUITE 600 MIDLAND 79701 | | 9. OGRID: 215099 | 10. Phone Number: | | | | | | |
| 11. Last Fracture Date: 3/11/2014 Frac Performed by: Halliburton | | 12. Production Type: O | | | | | | | |
| 13. Pool Code(s): 96603 | | 14. Gross Fractured Interval: 9,472 ft to 9,847 ft | | | | | | | |
| 15. True Vertical Depth (TVD): 9,847 ft | | 16. Total Volume of Fluid Pumped: 5,994,810 gals | | | | | | | |
| 17. Total Volume of Re-Use Water Pumped: 0 gals | | 18. Percent of Re-Use Water in Fluid Pumped: % | | | | | | | |
| 19. 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) | | | |
| Fresh Water | Operator | Base Fluid | Fresh Water | 7732-18-5 | 100% | 89.40769% | | | |
| Premium White Sand | Halliburton | Proppant | Crystalline Silica,Quartz | 14808-60-7 | 100% | 10.46909% | | | |
| LoSurf-360W | Halliburton | Surfactant | Complex alkylamine | Proprietary | 5% | 0.00403% | | | |
| | | | Glycerine | 56-81-5 | 10% | 0.00807% | | | |
| | | | Poly(oxy-1,2-ethanediyl), alpha -isodecyl- omega -hydroxy- | 61827-42-7 | 30% | 0.02421% | | | |
| FR-66 | Halliburton | Friction Reducer | Hydrotreated light petroleum distillate | 64742-47-8 | 30% | 0.02621% | | | |
| OPTIFLO-III DELAYED RELEASE BREAKER | Halliburton | Breaker | Ammonium persulfate | 7727-54-0 | 100% | 0.0019% | | | |
| | | | Crystalline silica, quartz | 14808-60-7 | 30% | 0.00057% | | | |
| SP BREAKER | Halliburton | Breaker | Sodium persulfate | 7775-27-1 | 100% | 0.00056% | | | |
| OptiKleen-WF | Halliburton | Concentrate | Sodium perborate tetrahydrate | 10486-00-7 | 100% | 0.00838% | | | |
| WG-35 GELLING AGENT | Halliburton | Gelling Agent | Guar gum | 9000-30-0 | 100% | 0.0309% | | | |
| HCL 15% | | Acid | Hydrochloric Acid | 7647-01-0 | 15% | 0.0026% | | | |
| Cronox AK-50 | Petroplex | Corrosion Inhibitor | Oxyalkylated Alkylphenol | Proprietary | 30% | 1E-05% | | | |
| | | | Heavy Aromatic Naptha | 64742-94-5 | 30% | 1E-05% | | | |
| | | | Isopropanol | 67-63-0 | 30% | 1E-05% | | | |
| | | | Fatty Acids | Proprietary | 10% | 0% | | | |
| | | | Complex Alkylaryl Poly- Ester | Proprietary | 10% | 0% | | | |
| | | | Tar Bases, Quinoline Derivatives, Benzyl Chloride-Quaternized | 72480-70-7 | 10% | 0% | | | |
| | | | Formaldehyde | 50-00-0 | 10% | 0% | | | |
| | | | Acetylenic Alcohol | Proprietary | 5% | 0% | | | |
| | | | Propargyl Alcohol | 107-19-7 | 5% | 0% | | | |
| | | | Napthalene | 91-20-3 | 5% | 0% | | | |
| | | | Citric Acid | 77-92-9 | 100% | 0.00087% | | | |
| | | | EC9546A | Petroplex | Surfactant | Heavy Aromatic Naptha | 64742-94-5 | 10% | 0% |
| | | | | | | Isopropanol | 67-63-0 | 60% | 2E-05% |
| | | | Polyethylene Glycol | 25322-68-3 | 5% | 0% | | | |
| | | | Napthalene | 91-20-3 | 1% | 0% | | | |
| | | | Phosphoric Acid Ester | Proprietary | 10% | 0% | | | |
| | | | Oxyalkylated Alcohol | Proprietary | 10% | 0% | | | |
| | | | Oxyalkylated Alkyl Alcohol | Proprietary | 10% | 0% | | | |
| ClO2 | Bosque | Biocide | Chlorine Dioxide | 10049-04-4 | 100% | 0.00012% | | | |
| Ingredients Listed Below This Line Are Part of the | | | Alcohols, C12-16, ethoxylated | 68551-12-2 | 0% | 0% | | | |
| | | | Alkane | Proprietary | 0% | 0% | | | |
| | | | Ammonium chloride | 12125-02-9 | 0% | 0% | | | |
| | | | Crystalline silica, quartz | 14808-60-7 | 0% | 0% | | | |
| | | | Cured acrylic resin | Proprietary | 0% | 0% | | | |
| | | | Ethoxylated nonylphenol | Proprietary | 0% | 0% | | | |
| | | | Ethylenediaminetetraacetic acid, tetrasodium salt | 64-02-8 | 0% | 0% | | | |
| | | | Fatty acid tall oil amide | Proprietary | 0% | 0% | | | |
| | | | Hydrogen peroxide | 7722-84-1 | 0% | 0% | | | |
| | | | Modified bentonite | Proprietary | 0% | 0% | | | |
| | | | Nitrotriacetic acid, trisodium salt monohydrate | 5064-31-3 | 0% | 0% | | | |
| | | | Polyacrylamide copolymer | Proprietary | 0% | 0% | | | |
| | | | Silica, amorphous - fumed | 7631-86-9 | 0% | 0% | | | |
| | | | Sodium bicarbonate | 144-55-8 | 0% | 0% | | | |
| | | | Sodium chloride | 7647-14-5 | 0% | 0% | | | |
| | | | Sodium glycollate | 2836-32-0 | 0% | 0% | | | |
| | | | Sodium hydroxide | 1310-73-2 | 0% | 0% | | | |
| | | | Sodium sulfate | 7757-82-6 | 0% | 0% | | | |
| | | | Sorbitan monooleate polyoxyethylene derivative | 9005-65-6 | 0% | 0% | | | |
| | | | Sorbitan, mono-9-octadecenoate, (Z) | 1338-43-8 | 0% | 0% | | | |
| | | | Water | 7732-18-5 | 0% | 0% | | | |
| | | | 20. 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: Skipper Herring _____ | | Manager Stimulation Title: Operations _____ | | | | |
| | | | Date: 4/6/2014 _____ | | | | | | |
| | | | E-mail Address: sherring@cimarex.com _____ | | | | | | |

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