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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: 30-015-39937 | | | | |
| | | 2. Well Name: RDX FEDERAL 17 #007 | | | | |
| | | 3. Well Number: 007 | | | | |
| HYDRAULIC FRACTURING FLUID DISCLOSURE <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment | | 4. Surface Hole Location: Unit:A Lot:A Section:17 Township:26S Range:30E Feet from:330 N/S Line:N Feet from:990 E/W Line:E | | | | |
| | | 5. Bottom Hole Location: Unit:A Lot:A Section:17 Township:26S Range:30E Feet from:330 N/S Line:N Feet from:990 E/W Line:E | | | | |
| | | 6. latitude: longitude: 32.0489456943283 - 103.898115620929 | | | | |
| | | 7. County: Eddy | | | | |
| 8. Operator Name and Address: RKI EXPLORATION & PRODUCTION, LLC 3817 NW EXPRESSWAY SUITE 950 OKLAHOMA CITY 73112 | | 9. OGRID: 246289 | | 10. Phone Number: 405-949-2221 | | |
| 11. Last Fracture Date: 7/16/2012 Frac Performed by: Halliburton | | 12. Production Type: O | | | | |
| 13. Pool Code(s): 8090 | | 14. Gross Fractured Interval: Confidential | | | | |
| 15. True Vertical Depth (TVD): 7,437 ft | | 16. Total Volume of Fluid Pumped: 9,765 bbls | | | | |
| 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) |
| Fresh Water | Operator | | | | 100% | 84.00307% |
| HYDROCHLORIC ACID 10-30% | Halliburton | Solvent | Hydrochloric acid | 7647-01-0 | 30% | 1.65839% |
| Premium White - 16/30 | Halliburton | | | | 100% | 9.87139% |
| CRC-16/30 | Halliburton | | | | 100% | 4.01025% |
| BC-140 X2 | Halliburton | Initiator | Ethylene glycol | 107-21-1 | 30% | 0.02016% |
| | | | Monoethanolamine borate | 26038-87-9 | 100% | 0.0672% |
| SUPERSET W | Halliburton | Activator | Methanol | 67-56-1 | 60% | 0.02843% |
| | | | Ethoxylated nonylphenol | Confidential Business Information | 60% | 0.02843% |
| BE-9 | Halliburton | Biocide | Tributyl tetradecyl phosphonium chloride | 81741-28-8 | 10% | 0.00429% |
| HpH BREAKER | Halliburton | Breaker | Sodium chloride | 7647-14-5 | 30% | 0.00034% |
| LoSurf-300D | Halliburton | Non-ionic Surfactant | 1,2,4 Trimethylbenzene | 95-63-6 | 1% | 0.00068% |
| | | | Ethanol | 64-17-5 | 60% | 0.04064% |
| | | | Heavy aromatic petroleum naphtha | 64742-94-5 | 30% | 0.02032% |
| | | | Naphthalene | 91-20-3 | 5% | 0.00339% |
| | | | Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched | 127087-87-0 | 5% | 0.00339% |
| CLA-WEB™ | Halliburton | Additive | Ammonium salt | Confidential Business Information | 50% | 0.03425% |
| OPTIFLO-HTE | Halliburton | Breaker | Crystalline silica, quartz | 14808-60-7 | 30% | 0.0013% |
| | | | Walnut hulls | Mixture | 100% | 0.00432% |
| WG-36 GELLING AGENT | Halliburton | Gelling Agent | Guar gum | 9000-30-0 | 100% | 0.13309% |
| Scalechek® SCP-2 Scale Inhibitor | Halliburton | Scale Preventer | Glassy calcium magnesium phosphate | 65997-17-3 | 100% | 0.02468% |
| Ingredients Listed Below This Line Are Part of the | | | 1,2-Benzisothiazolin-3-one | 2634-33-5 | 0% | 0% |
| | | | 2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl)azo] -, trisodium salt | 915-67-3 | 0% | 0% |
| | | | Amine Salts | Confidential Business Information | 0% | 0% |
| | | | Amine Salts | Confidential Business Information | 0% | 0% |
| | | | Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex | 121888-68-4 | 0% | 0% |
| | | | C.I. Pigment Red 5 | 6410-41-9 | 0% | 0% |
| | | | Calcium chloride | 10043-52-4 | 0% | 0% |
| | | | Crystalline Silica, Quartz | 14808-60-7 | 0% | 0% |
| | | | Cured Acrylic Resin | Confidential Business Information | 0% | 0% |
| | | | Cured Acrylic Resin | Confidential Business Information | 0% | 0% |
| | | | Enzyme | Confidential Business Information | 0% | 0% |
| | | | Enzyme | Confidential Business Information | 0% | 0% |
| | | | Oxyalkylated Phenolic Resin | Confidential Business Information | 0% | 0% |
| | | | Oxyalkylated Phenolic Resin | Confidential Business Information | 0% | 0% |
| | | | Quaternary Amine | Confidential Business Information | 0% | 0% |
| | | | Quaternary Amine | Confidential Business Information | 0% | 0% |
| | | | Quaternary Amine | Confidential Business Information | 0% | 0% |
| | | | Silica gel | 112926-00-8 | 0% | 0% |
| | | | Sodium Chloride | 7647-14-5 | 0% | 0% |
| | | | Surfactant Mixture | Confidential Business Information | 0% | 0% |
| | | | Surfactant Mixture | Confidential Business Information | 0% | 0% |
| | | | Water | 7732-18-5 | 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: Charles Ahn HS&E/Regulatory Title: Manager | | | | | | |
| Date: 7/26/2012 | | | | | | |
| E-mail Address: cahn@rkixp.com | | | | | | |

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