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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. 30-015-39936 | | | | |
| | | 2. Well Name: RDX 15 #015 | | | | |
| | | 3. Well Number: 015 | | | | |
| HYDRAULIC FRACTURING FLUID DISCLOSURE <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment | | 4. Surface Hole Location: Unit:H Lot:H Section:15 Township:26S Range:30E Feet from:1650 N/S Line:N Feet from:990 E/W Line:E | | | | |
| | | 5. Bottom Hole Location: Unit:H Lot:H Section:15 Township:26S Range:30E Feet from:1650 N/S Line:N Feet from:990 E/W Line:E | | | | |
| | | 6. latitude: longitude: 32.0454154032647 - 103.863716360927 | | | | |
| | | 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: 7/20/2012 Frac Performed by: Halliburton | | | | 12. Production Type: O | | |
| 13. Pool Code(s): 52797 | | | | 14. Gross Fractured Interval: Confidential | | |
| 15. True Vertical Depth (TVD): 7,657 ft | | | | 16. Total Volume of Fluid Pumped: 9,914 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% | 83.72708% |
| HYDROCHLORIC ACID 10-30% | Halliburton | Solvent | Hydrochloric acid | 7647-01-0 | 30% | 1.62016% |
| Premium -16/30 | Halliburton | | | | 100% | 10.10191% |
| CRC-16/30 | Halliburton | | | | 100% | 4.05041% |
| BE-9 | Halliburton | Biocide | Tributyl tetradecyl phosphonium chloride | 81741-28-8 | 10% | 0.00407% |
| CLA-WEB™ | Halliburton | Additive | Ammonium salt | Confidential Business Information | 50% | 0.03412% |
| LoSurf-300D | Halliburton | Non-ionic Surfactant | 1,2,4 Trimethylbenzene | 95-63-6 | 1% | 0.00058% |
| | | | Ethanol | 64-17-5 | 60% | 0.03503% |
| | | | Heavy aromatic petroleum naphtha | 64742-94-5 | 30% | 0.01751% |
| | | | Naphthalene | 91-20-3 | 5% | 0.00292% |
| | | | Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched | 127087-87-0 | 5% | 0.00292% |
| HpH BREAKER | Halliburton | Breaker | Sodium chloride | 7647-14-5 | 30% | 7E-05% |
| SUPERSET W | Halliburton | Activator | Methanol | 67-56-1 | 60% | 0.03428% |
| | | | Ethoxylated nonylphenol | Confidential Business Information | 60% | 0.03428% |
| BC-140 X2 | Halliburton | Initiator | Ethylene glycol | 107-21-1 | 30% | 0.01969% |
| | | | Monoethanolamine borate | 26038-87-9 | 100% | 0.06565% |
| OPTIFLO-HTE | Halliburton | Breaker | Crystalline silica, quartz | 14808-60-7 | 30% | 0.00143% |
| | | | Walnut hulls | Mixture | 100% | 0.00477% |
| Scalechek® SCP-2 Scale Inhibitor | Halliburton | Scale Preventer | Glassy calcium magnesium phosphate | 65997-17-3 | 100% | 0.02715% |
| WG-35 GELLING AGENT | Halliburton | Gelling Agent | Guar gum | 9000-30-0 | 100% | 0.17817% |
| 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% |
| | | | 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% |
| | | | Ethoxylated Nonylphenol | Confidential Business Information | 0% | 0% |
| | | | Modified Bentonite | 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, amorphous - fumed | 7631-86-9 | 0% | 0% |
| | | | Sodium Chloride | 7647-14-5 | 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: <u>Signed Electronically</u> | | Printed Name: <u>Charles Ahn</u> | | HS&E/Regulatory Title: <u>Manager</u> | | |
| Date: <u>7/26/2012</u> | | | | | | |
| E-mail Address: <u>cahn@rkixp.com</u> | | | | | | |

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