

|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                |                                                                |                                     |                                                          |                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| Submit within 45 days of well completion                                                                                                           | State of New Mexico<br>Energy, Minerals and Natural Resources<br>Oil Conservation Division<br>1220 S. St Francis Dr.<br>Santa Fe, NM 87505 | Revised November 6, 2013                                                                                                                                       |                                                                |                                     |                                                          |                                                          |
|                                                                                                                                                    |                                                                                                                                            | 1. WELL API NO:<br>30-015-40640                                                                                                                                |                                                                |                                     |                                                          |                                                          |
|                                                                                                                                                    |                                                                                                                                            | 2. Well Name:<br>RDX 17 FEDERAL COM #010H                                                                                                                      |                                                                |                                     |                                                          |                                                          |
|                                                                                                                                                    |                                                                                                                                            | 3. Well Number:<br>010H                                                                                                                                        |                                                                |                                     |                                                          |                                                          |
| HYDRAULIC FRACTURING FLUID<br>DISCLOSURE<br><br><input checked="" type="checkbox"/> Original<br><br><input type="checkbox"/> Amendment             |                                                                                                                                            | 4. Surface Hole Location:<br>Unit: A    Lot: A    Section: 17    Township: 26S    Range: 30E<br>Feet from: 275    N/S Line: N<br>Feet from: 430    E/W Line: E |                                                                |                                     |                                                          |                                                          |
|                                                                                                                                                    |                                                                                                                                            | 5. Bottom Hole Location:<br>Unit: A    Lot: A    Section: 17    Township: 26S    Range: 30E<br>Feet from: 275    N/S Line: N<br>Feet from: 430    E/W Line: E  |                                                                |                                     |                                                          |                                                          |
|                                                                                                                                                    |                                                                                                                                            | 6. Latitude:    Longitude:<br>32.0491026153441    -                                                                                                            |                                                                |                                     |                                                          |                                                          |
|                                                                                                                                                    |                                                                                                                                            | 103.896299204067                                                                                                                                               |                                                                |                                     |                                                          |                                                          |
|                                                                                                                                                    |                                                                                                                                            | 7. County:<br>Eddy                                                                                                                                             |                                                                |                                     |                                                          |                                                          |
| 8. Operator Name and Address:<br>RKI EXPLORATION & PRODUCTION, LLC<br>210 PARK AVENUE<br>SUITE 900<br>OKLAHOMA CITY 73102                          |                                                                                                                                            | 9. OGRID:<br>246289                                                                                                                                            | 10. Phone Number:<br>405-996-5774                              |                                     |                                                          |                                                          |
| 11. Last Fracture Date:    12/10/2012    Frac Performed by: ELITE WELL SERVICES                                                                    |                                                                                                                                            | 12. Production Type:<br>O                                                                                                                                      |                                                                |                                     |                                                          |                                                          |
| 13. Pool Code(s):<br>97863                                                                                                                         |                                                                                                                                            | 14. Gross Fractured Interval:<br>Confidential                                                                                                                  |                                                                |                                     |                                                          |                                                          |
| 15. True Vertical Depth (TVD):<br>11,836 ft                                                                                                        |                                                                                                                                            | 16. Total Volume of Fluid Pumped:<br>3,646,659 gals                                                                                                            |                                                                |                                     |                                                          |                                                          |
| 17. Total Volume of Re-Use Water Pumped:<br>N/A                                                                                                    |                                                                                                                                            | 18. Percent of Re-Use Water in Fluid Pumped:<br>Not Disclosed                                                                                                  |                                                                |                                     |                                                          |                                                          |
| 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                                                                                                                                                     | Water                                                          | 7732-18-5                           | 100%                                                     | 89.37101%                                                |
| 15% HCL                                                                                                                                            | WFT                                                                                                                                        | Acid                                                                                                                                                           | Hydrochloric Acid                                              | 7647-01-1                           | 0.15%                                                    | 0.00094%                                                 |
| 100 Mesh Sand                                                                                                                                      | WFT                                                                                                                                        | Proppant                                                                                                                                                       | Crystalline Silica in the form of Quartz                       | 14808-60-7                          | 100%                                                     | 1.97415%                                                 |
| Ottawa Sand 40/70 (2.63 sg)                                                                                                                        | WFT                                                                                                                                        | Proppant                                                                                                                                                       | Crystalline Silica in the form of Quartz                       | 14808-60-7                          | 1%                                                       | 5.67971%                                                 |
| Super LC 20/40 (2.51 sg)                                                                                                                           | WFT                                                                                                                                        | Proppant                                                                                                                                                       | Crystalline Silica (Quartz)                                    | 14808-60-7                          | 72.98%                                                   | 1.01568%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                | Formaldehyde                                                   | 50-00-0                             | 0.01%                                                    | 0.00014%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                | Hexamethylenetetramine                                         | 100-97-0                            | 1%                                                       | 0.01392%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                | Hydrated Aluminum Silicate                                     | 1332-58-7                           | 5%                                                       | 0.06959%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                | Iron Oxide (fume)                                              | 1309-37-1                           | 15%                                                      | 0.20876%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                | Phenol                                                         | 108-95-2                            | 0.01%                                                    | 0.00014%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                | Phenol-Formaldehyde Resin                                      | 9003-35-4                           | 6%                                                       | 0.0835%                                                  |
| WBK-133                                                                                                                                            | WFT                                                                                                                                        | Breaker                                                                                                                                                        | Ammonium Persulfate                                            | 7727-54-0                           | 100%                                                     | 0.01771%                                                 |
| WBK-134                                                                                                                                            | WFT                                                                                                                                        | Breaker                                                                                                                                                        | Ammonium Persulfate                                            | 7727-54-0                           | 75%                                                      | 0.00221%                                                 |
| Superset W                                                                                                                                         | Santrol                                                                                                                                    | Activator                                                                                                                                                      | Methanol                                                       | 67-56-1                             | 50%                                                      | 0.02513%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                | Poly(oxyethylene) nonylphenol ether                            | 9016-45-9                           | 50%                                                      | 0.02513%                                                 |
| Bio-Clear 5000                                                                                                                                     | WFT                                                                                                                                        | Bactericide                                                                                                                                                    | 2,2-dibromo-3-nitriopropionamide                               | 10222-01-2                          | 5%                                                       | 0.00108%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                | Polyethylene Glycol                                            | 25322-68-3                          | 50%                                                      | 0.01083%                                                 |
| WCS-631LC                                                                                                                                          | WFT                                                                                                                                        | Clay Control                                                                                                                                                   | No ingredients as hazardous according to OSHA 29 CFR 1910.1200 |                                     | 0%                                                       | 0%                                                       |
| WXL-100L                                                                                                                                           | WFT                                                                                                                                        | Crosslink Control                                                                                                                                              | Ethylene Glycol                                                | 107-21-1                            | 40%                                                      | 0.03222%                                                 |
| WGA-15L                                                                                                                                            | WFT                                                                                                                                        | Gelling Agents                                                                                                                                                 | Petroleum Distillates                                          | 64742-47-8                          | 60%                                                      | 0.29722%                                                 |
| WSI-671L                                                                                                                                           | WFT                                                                                                                                        | Inhibitor                                                                                                                                                      | Ammonium Chloride                                              | 12125-02-9                          | 0.2%                                                     | 9E-05%                                                   |
| WPB-584L                                                                                                                                           | WFT                                                                                                                                        | ph Adjusting Agents                                                                                                                                            | Potassium Carbonate                                            | 584-08-7                            | 0.4%                                                     | 9E-05%                                                   |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                | Potassium Hydroxide                                            | 1310-58-3                           | 0.2%                                                     | 5E-05%                                                   |
| WNE-363L                                                                                                                                           | WFT                                                                                                                                        | Surfactant                                                                                                                                                     | 2-Ethylhexanol                                                 | 104-76-7                            | 0.07%                                                    | 3E-05%                                                   |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                | DB-964                                                         | 9003-11-6                           | 0.3%                                                     | 0.00015%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                | Dodecylbenzenesulfonic acid, monoethanolamine salt             | 26836-07-7                          | 0.15%                                                    | 7E-05%                                                   |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                | Poly(oxy-1,2-ethanediyl), a-isotridecyl-w-hydroxy-             | 9043-30-5                           | 0.05%                                                    | 2E-05%                                                   |
| WSI-671L                                                                                                                                           | WFT                                                                                                                                        | Inhibitor                                                                                                                                                      | Ammonium Chloride                                              | 12125-02-9                          | 20%                                                      | 0.01342%                                                 |
| WPB-584L                                                                                                                                           | WFT                                                                                                                                        | ph Adjusting Agents                                                                                                                                            | Potassium Carbonate                                            | 584-08-7                            | 40%                                                      | 0.0331%                                                  |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                | Potassium Hydroxide                                            | 1310-58-3                           | 20%                                                      | 0.01655%                                                 |
| WNE-363L                                                                                                                                           | WFT                                                                                                                                        | Surfactant                                                                                                                                                     | 2-Ethylhexanol                                                 | 104-76-7                            | 7%                                                       | 0.00463%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                | DB-964                                                         | 9003-11-6                           | 30%                                                      | 0.01983%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                | Dodecylbenzenesulfonic acid, monoethanolamine salt             | 26836-07-7                          | 15%                                                      | 0.00992%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                | Poly(oxy-1,2-ethanediyl), a-isotridecyl-w-hydroxy-             | 9043-30-5                           | 5%                                                       | 0.00331%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                | Hydrochloric Acid                                              | 7647-01-1                           | 15%                                                      | 0.08963%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                | 2-Butoxyethanol                                                | 111-76-2                            | 0%                                                       | 0.00495%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                | Alcohol Ethoxylate                                             | Mixture                             | 0%                                                       | 0.00495%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                | Alcohols, C12-16, Ethoxylated                                  | 68551-12-2                          | 0%                                                       | 0.00495%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                | Amines, polyethylenepoly-, ethoxylated, phosphonomethylated    | 68966-36-9                          | 0%                                                       | 0.02685%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                | Arlacel 83                                                     | 8007-43-0                           | 0%                                                       | 0.00495%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                | Choline Chloride                                               | 67-48-1                             | 0%                                                       | 0.07099%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                | Crystalline Silica in the form of Quartz                       | 14808-60-7                          | 0%                                                       | 0.00495%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                | Deionized Water                                                | 7732-18-5                           | 0%                                                       | 0.01083%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                | Ethanolamine Borate                                            | 68425-67-2                          | 0%                                                       | 0.03222%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                | Guar gum                                                       | 9000-30-0                           | 0%                                                       | 0.24769%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                | Proprietary Ingredient                                         | Proprietary                         | 0%                                                       | 0.02499%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                |                                                                |                                     | 0%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                |                                                                |                                     | 0%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                |                                                                |                                     | 0%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                |                                                                |                                     | 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:    Heather Brehm    Title:    Regulatory analyst                                              |                                                                                                                                            |                                                                                                                                                                |                                                                |                                     |                                                          |                                                          |
| Date:    2/4/2014                                                                                                                                  |                                                                                                                                            |                                                                                                                                                                |                                                                |                                     |                                                          |                                                          |
| E-mail Address:    hbrehm@rkixp.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.