

|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       |                                                                                                                                                    |                                     |                                                          |                                                          |         |     |
|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------------------------|----------------------------------------------------------|---------|-----|
| 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>30-015-41322                                                                                                                       |                                                                                                                                                    |                                     |                                                          |                                                          |         |     |
|                                                                                                                                        |                                                                                                                                            | 2. Well Name:<br>RDX 16 #018H                                                                                                                         |                                                                                                                                                    |                                     |                                                          |                                                          |         |     |
|                                                                                                                                        |                                                                                                                                            | 3. Well Number:<br>018H                                                                                                                               |                                                                                                                                                    |                                     |                                                          |                                                          |         |     |
| HYDRAULIC FRACTURING FLUID<br>DISCLOSURE<br><br><input checked="" type="checkbox"/> Original<br><br><input type="checkbox"/> Amendment |                                                                                                                                            | 4. Surface Hole Location:<br>Unit:D    Lot:D    Section:16    Township:26S    Range:30E<br>Feet from:250    N/S Line:N<br>Feet from:700    E/W Line:W |                                                                                                                                                    |                                     |                                                          |                                                          |         |     |
|                                                                                                                                        |                                                                                                                                            | 5. Bottom Hole Location:<br>Unit:D    Lot:D    Section:16    Township:26S    Range:30E<br>Feet from:250    N/S Line:N<br>Feet from:700    E/W Line:W  |                                                                                                                                                    |                                     |                                                          |                                                          |         |     |
|                                                                                                                                        |                                                                                                                                            | 6. Latitude:    Longitude:<br>32.0491823913412    -                                                                                                   |                                                                                                                                                    |                                     |                                                          |                                                          |         |     |
|                                                                                                                                        |                                                                                                                                            | 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:    246289                                                                                                                                   | 10. Phone Number:    405-996-5774                                                                                                                  |                                     |                                                          |                                                          |         |     |
| 11. Last Fracture Date:    9/5/2013    Frac Performed by: RKI EXPLORATION AND PRODUCTION                                               |                                                                                                                                            | 12. Production Type:<br>O                                                                                                                             |                                                                                                                                                    |                                     |                                                          |                                                          |         |     |
| 13. Pool Code(s):<br>97863                                                                                                             |                                                                                                                                            | 14. Gross Fractured Interval:<br>Confidential                                                                                                         |                                                                                                                                                    |                                     |                                                          |                                                          |         |     |
| 15. True Vertical Depth (TVD):<br>8,015 ft                                                                                             |                                                                                                                                            | 16. Total Volume of Fluid Pumped:<br>3,961,428 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%                                                     | 89.54861%                                                |         |     |
| 15% HCL                                                                                                                                | WFT                                                                                                                                        | Acid                                                                                                                                                  | Hydrochloric Acid                                                                                                                                  | 7647-01-0                           | 15%                                                      | 0.08818%                                                 |         |     |
| 100 Mesh Sand                                                                                                                          | WFT                                                                                                                                        | Proppant                                                                                                                                              | Crystalline Silica in the form of Quartz                                                                                                           | 14808-60-7                          | 100%                                                     | 2.08651%                                                 |         |     |
| 40/70 Premium                                                                                                                          | WFT                                                                                                                                        | Proppant                                                                                                                                              | Crystalline Silica in the form of Quartz                                                                                                           | 14808-60-7                          | 100%                                                     | 5.53903%                                                 |         |     |
| Super LC 20/40 (2.51 sg)                                                                                                               | WFT                                                                                                                                        | Proppant                                                                                                                                              | Crystalline Silica (Quartz)                                                                                                                        | 14808-60-7                          | 72.98%                                                   | 0.95065%                                                 |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Formaldehyde                                                                                                                                       | 50-00-0                             | 0.01%                                                    | 0.00013%                                                 |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Hexamethylenetetramine                                                                                                                             | 100-97-0                            | 1%                                                       | 0.01303%                                                 |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Hydrated Aluminum Silicate                                                                                                                         | 1332-58-7                           | 5%                                                       | 0.06513%                                                 |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Iron Oxide (fume)                                                                                                                                  | 1309-37-1                           | 15%                                                      | 0.19539%                                                 |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Phenol                                                                                                                                             | 108-95-2                            | 0.01%                                                    | 0.00013%                                                 |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Phenol-Formaldehyde Resin                                                                                                                          | 9003-35-4                           | 6%                                                       | 0.07816%                                                 |         |     |
| WBK-133                                                                                                                                | WFT                                                                                                                                        | Breaker                                                                                                                                               | Ammonium Persulfate                                                                                                                                | 7727-54-0                           | 100%                                                     | 0.00517%                                                 |         |     |
| WBK-134                                                                                                                                | WFT                                                                                                                                        | Breaker                                                                                                                                               | Ammonium Persulfate                                                                                                                                | 7727-54-0                           | 75%                                                      | 0.00453%                                                 |         |     |
| Superset W                                                                                                                             | Santrol                                                                                                                                    | Activator                                                                                                                                             | Methanol                                                                                                                                           | 67-56-1                             | 50%                                                      | 0.02386%                                                 |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Poly(oxytethylene) nonylphenol ether                                                                                                               | 9016-45-9                           | 50%                                                      | 0.02386%                                                 |         |     |
| Bio-Clear 5000                                                                                                                         | WFT                                                                                                                                        | Bactericide                                                                                                                                           | 2,2-dibromo-3-nitripropionamide                                                                                                                    | 10222-01-2                          | 5%                                                       | 0.00101%                                                 |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Polyethylene Glycol                                                                                                                                | 25322-68-3                          | 50%                                                      | 0.01013%                                                 |         |     |
| WXL-100L                                                                                                                               | WFT                                                                                                                                        | Crosslink Control                                                                                                                                     | Ethylene Glycol                                                                                                                                    | 107-21-1                            | 40%                                                      | 0.02502%                                                 |         |     |
| WGA-15L                                                                                                                                | WFT                                                                                                                                        | Gelling Agents                                                                                                                                        | Petroleum Distillates                                                                                                                              | 64742-47-8                          | 60%                                                      | 0.27517%                                                 |         |     |
| WAI-251LC                                                                                                                              | WFT                                                                                                                                        | Inhibitor                                                                                                                                             | 1-Decanol                                                                                                                                          | 112-30-1                            | 5%                                                       | 8E-05%                                                   |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | 1-Octanol                                                                                                                                          | 111-87-5                            | 5%                                                       | 8E-05%                                                   |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | 2-Butoxyethanol                                                                                                                                    | 111-76-2                            | 10%                                                      | 0.00015%                                                 |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Ethoxylated Nonylphenol                                                                                                                            | 68412-54-4                          | 5%                                                       | 8E-05%                                                   |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Ethylene Glycol                                                                                                                                    | 111-76-2                            | 40%                                                      | 0.00062%                                                 |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Isopropyl Alcohol                                                                                                                                  | 67-63-0                             | 5%                                                       | 8E-05%                                                   |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | N,N-Dimethylformamide                                                                                                                              | 68-12-2                             | 20%                                                      | 0.00031%                                                 |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Tar bases, quinoline derivs, benzyl chloride-quaternized                                                                                           | 72480-70-7                          | 10%                                                      | 0.00015%                                                 |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Triethylphosphate                                                                                                                                  | 78-40-0                             | 5%                                                       | 8E-05%                                                   |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Ammonium Chloride                                                                                                                                  | 12125-02-9                          | 20%                                                      | 0.01166%                                                 |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | WCI-641L                                                                                                                                           | WFT                                 | Iron Control                                             | Citric acid                                              | 77-92-9 | 60% |
| WPB-584L                                                                                                                               | WFT                                                                                                                                        | ph Adjusting Agents                                                                                                                                   | Potassium Carbonate                                                                                                                                | 584-08-7                            | 40%                                                      | 0.0513%                                                  |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Potassium Hydroxide                                                                                                                                | 1310-58-3                           | 20%                                                      | 0.02565%                                                 |         |     |
| WNE-363L                                                                                                                               | WFT                                                                                                                                        | Surfactant                                                                                                                                            | 2-Ethylhexanol                                                                                                                                     | 104-76-7                            | 7%                                                       | 0.00328%                                                 |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Dodecylbenzenesulfonic acid, monoethanolamine salt                                                                                                 | 26836-07-7                          | 15%                                                      | 0.00702%                                                 |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Ethylene/Propylene Oxide Polymer                                                                                                                   | 9003-11-6                           | 30%                                                      | 0.01404%                                                 |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Poly(oxy-1,2-ethanediyl), a-isotridecyl-w-hydroxy-                                                                                                 | 9043-30-5                           | 5%                                                       | 0.00234%                                                 |         |     |
| Ingredients Listed Below This Line Are Part of the                                                                                     |                                                                                                                                            |                                                                                                                                                       | 2-Butoxyethanol                                                                                                                                    | 111-76-2                            | 0%                                                       | 0%                                                       |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Acetaldehyde                                                                                                                                       | 75-07-0                             | 0%                                                       | 0%                                                       |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Alcohol Ethoxylate                                                                                                                                 | 68002-97-1                          | 0%                                                       | 0%                                                       |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Alcohols, C12-16, Ethoxylated                                                                                                                      | 68551-12-2                          | 0%                                                       | 0%                                                       |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Amines, polyethylenepoly-, ethoxylated, phosphonomethylated                                                                                        | 68966-36-9                          | 0%                                                       | 0%                                                       |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Arlacel 83                                                                                                                                         | 8007-43-0                           | 0%                                                       | 0%                                                       |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Choline Chloride                                                                                                                                   | 67-48-1                             | 0%                                                       | 0%                                                       |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Cinnamaldehyde                                                                                                                                     | 104-55-2                            | 0%                                                       | 0%                                                       |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Crystalline Silica in the form of Quartz                                                                                                           | 14808-60-7                          | 0%                                                       | 0%                                                       |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Deionized Water                                                                                                                                    | 7732-18-5                           | 0%                                                       | 0%                                                       |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Dioxane                                                                                                                                            | 123-91-1                            | 0%                                                       | 0%                                                       |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Ethanolamine Borate                                                                                                                                | 68425-67-2                          | 0%                                                       | 0%                                                       |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Ethylene Oxide                                                                                                                                     | 75-21-8                             | 0%                                                       | 0%                                                       |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Guar gum                                                                                                                                           | 9000-30-0                           | 0%                                                       | 0%                                                       |         |     |
|                                                                                                                                        |                                                                                                                                            |                                                                                                                                                       | Proprietary Ingredient                                                                                                                             | Proprietary                         | 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:    12/31/2013                                                                                                                    |                                                                                                                                            |                                                                                                                                                       |                                                                                                                                                    |                                     |                                                          |                                                          |         |     |
| 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.