

|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                       |                                               |                                     |                                                          |                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| 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>30-015-41089                                                                                                                       |                                               |                                     |                                                          |                                                          |
|                                                                                                                                                    |                                                                                                                                            | 2. Well Name:<br>RDX FEDERAL 17 #016                                                                                                                  |                                               |                                     |                                                          |                                                          |
|                                                                                                                                                    |                                                                                                                                            | 3. Well Number:<br>016                                                                                                                                |                                               |                                     |                                                          |                                                          |
| HYDRAULIC FRACTURING FLUID<br>DISCLOSURE<br><input checked="" type="checkbox"/> Original<br><input type="checkbox"/> Amendment                     |                                                                                                                                            | 4. Surface Hole Location:<br>Unit:D    Lot:D    Section:17    Township:26S    Range:30E<br>Feet from:330    N/S Line:N<br>Feet from:460    E/W Line:W |                                               |                                     |                                                          |                                                          |
|                                                                                                                                                    |                                                                                                                                            | 5. Bottom Hole Location:<br>Unit:D    Lot:D    Section:17    Township:26S    Range:30E<br>Feet from:330    N/S Line:N<br>Feet from:460    E/W Line:W  |                                               |                                     |                                                          |                                                          |
|                                                                                                                                                    |                                                                                                                                            | 6. Latitude:    32.0489062770582    longitude:    -103.910543949261                                                                                   |                                               |                                     |                                                          |                                                          |
|                                                                                                                                                    |                                                                                                                                            | 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:    3/23/2015    Frac Performed by:    RKI EXPLORATION & PRODUCTION                                                         |                                                                                                                                            | 12. Production Type:<br>O                                                                                                                             |                                               |                                     |                                                          |                                                          |
| 13. Pool Code(s):<br>8090                                                                                                                          |                                                                                                                                            | 14. Gross Fractured Interval:<br>Confidential                                                                                                         |                                               |                                     |                                                          |                                                          |
| 15. True Vertical Depth (TVD):<br>10,754 ft                                                                                                        |                                                                                                                                            | 16. Total Volume of Fluid Pumped:<br>454,860 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) |
| Water                                                                                                                                              | Customer                                                                                                                                   | Carrier/Base Fluid                                                                                                                                    | Water                                         | 7732-18-5                           | 100%                                                     | 92.58749%                                                |
| Sand (Proppant)                                                                                                                                    | US Silica                                                                                                                                  | Proppant                                                                                                                                              | Silica Substrate                              | 14808-60-7                          | 100%                                                     | 5.18548%                                                 |
| RCS (Proppant)                                                                                                                                     | Momentive                                                                                                                                  | Proppant                                                                                                                                              | Silica Substrate                              | 14808-60-7                          | 100%                                                     | 1.01376%                                                 |
| Hydrochloric Acid (15%)                                                                                                                            | CNR                                                                                                                                        | Acidizing                                                                                                                                             | Hydrochloric Acid                             | 7647-01-0                           | 38.8%                                                    | 0.17912%                                                 |
| Claymax                                                                                                                                            | Chemplex                                                                                                                                   | Clay Stabilizer                                                                                                                                       | Choline Chloride                              | 67-48-1                             | 62%                                                      | 0.06587%                                                 |
| 4-N-1 Plus                                                                                                                                         | Chemplex                                                                                                                                   | Iron Control,Corr Inhib,Surfactant                                                                                                                    | Acetic Acid                                   | 64-19-7                             | 80%                                                      | 0.00266%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                       | Methanol                                      | 67-56-1                             | 10%                                                      | 0.00033%                                                 |
| Plexcide 24B                                                                                                                                       | Chemplex                                                                                                                                   | Biocide                                                                                                                                               | Tetrahydro-3,Dimethyl-2H                      | 533-74-4                            | 24%                                                      | 0%                                                       |
| Plexset 730                                                                                                                                        | Chemplex                                                                                                                                   | Activator                                                                                                                                             | Secondary Alcohol Ethoxylate                  | 84133-50-6                          | 50%                                                      | 0%                                                       |
| MX 5-2350                                                                                                                                          | Multi-Chem Group LLC                                                                                                                       | Wetting Agent                                                                                                                                         | Methyl Alcohol                                | 67-56-1                             | 85%                                                      | 0.07398%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                       | Ethoxylated Alcohols                          | Proprietary                         | 10%                                                      | 0.0087%                                                  |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                       | Sulfonate                                     | Proprietary                         | 5%                                                       | 0.00435%                                                 |
| Plexslick 953                                                                                                                                      | Chemplex                                                                                                                                   | Friction Reducer                                                                                                                                      | Alcohol Ethoxylate Surfactants                | Proprietary                         | 8%                                                       | 0.00448%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                       | Hydrotreated Petroleum Distillate             | 64742-47-8                          | 30%                                                      | 0.01681%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                       | Polyacrylamide-co-Acrylic Acid                | 9003-06-9                           | 32%                                                      | 0.01793%                                                 |
| Plexgel 907 LE                                                                                                                                     | Chemplex                                                                                                                                   | Polymer                                                                                                                                               | Guar Gum                                      | 9000-30-0                           | 50%                                                      | 0.16539%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                       | Mineral Oil                                   | 64742-47-8                          | 55%                                                      | 0.18193%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                       | Bentonite Clay                                | 14808-60-7                          | 2%                                                       | 0.00662%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                       | Surfactant                                    | 68439-51-0                          | 2%                                                       | 0.00662%                                                 |
| Plexbor 101                                                                                                                                        | Chemplex                                                                                                                                   | Crosslinker                                                                                                                                           | Ethylene Glycol                               | 107-21-1                            | 9.99%                                                    | 0.0049%                                                  |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                       | Potssium Metaborate                           | 13709-94-9                          | 30%                                                      | 0.01472%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                       | Potassium Hydroxide                           | 1310-58-3                           | 5%                                                       | 0.00245%                                                 |
| Plexgel Breaker 10L                                                                                                                                | Chemplex                                                                                                                                   | Gel Breaker                                                                                                                                           | Mannanase Enzymes                             | Proprietary                         | 2%                                                       | 0.00103%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                       | Sodium Chloride                               | 7647-14-5                           | 15%                                                      | 0.00774%                                                 |
| Sodium Persulfate                                                                                                                                  | Chemplex                                                                                                                                   | Gel Breaker                                                                                                                                           | Sodium Persulfate                             | 7775-27-1                           | 98%                                                      | 0%                                                       |
| Buffer 11                                                                                                                                          | Chemplex                                                                                                                                   | Crosslink Aid                                                                                                                                         | 2,2'-Diaminodiethylamine                      | 111-40-0                            | 90%                                                      | 0.03183%                                                 |
| Plexcide 24L                                                                                                                                       | Chemplex                                                                                                                                   | Biocide                                                                                                                                               | Tetrahydro-3,Dimethyl-2H                      | 533-74-4                            | 98%                                                      | 0.00284%                                                 |
| Greenhib 679                                                                                                                                       | Chemplex                                                                                                                                   | Scale Inhibitor                                                                                                                                       | Glycerine                                     | 56-81-5                             | 35%                                                      | 0.01024%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                       | Proprietary                                   | Proprietary                         | 35%                                                      | 0.01024%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                       | Water                                         | 7732-18-5                           | 30%                                                      | 0.00878%                                                 |
| Plexbor 108                                                                                                                                        | Chemplex, LC                                                                                                                               | Crosslinker                                                                                                                                           | Hydrated Aluminum-magnesium Silicate          | 12174-11-7                          | 5%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                       | Glutaraldehyde                                | 111-30-8                            | 1%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                       | Crystalline silica                            | 14808-60-7                          | 0.1%                                                     | 0%                                                       |
| Plexgel Breaker HT                                                                                                                                 | Chemplex, LC                                                                                                                               | Gel Breaker                                                                                                                                           | Ammonium Persulfate                           | 7727-54-0                           | 90%                                                      | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                       | vinylidene chloride-methyl acrylate copolymer | 25038-72-6                          | 20%                                                      | 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:    4/6/2015                                                                                                                                  |                                                                                                                                            |                                                                                                                                                       |                                               |                                     |                                                          |                                                          |
| 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.