

|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                  |                                                                                               |                                     |                                                          |                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| 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 February 15, 2012                                                                                                                        |                                                                                               |                                     |                                                          |                                                          |
|                                                                                                                                                    |                                                                                                                                            | 1. WELL API NO.<br>30-015-41267                                                                                                                  |                                                                                               |                                     |                                                          |                                                          |
|                                                                                                                                                    |                                                                                                                                            | 2. Well Name:<br>RDX FEDERAL 21 #021                                                                                                             |                                                                                               |                                     |                                                          |                                                          |
|                                                                                                                                                    |                                                                                                                                            | 3. Well Number:<br>021                                                                                                                           |                                                                                               |                                     |                                                          |                                                          |
| HYDRAULIC FRACTURING FLUID<br>DISCLOSURE<br><input checked="" type="checkbox"/> Original<br><input type="checkbox"/> Amendment                     |                                                                                                                                            | 4. Surface Hole Location:<br>Unit:E   Lot:E   Section:21   Township:26S   Range:30E<br>Feet from:1650   N/S Line:N<br>Feet from:990   E/W Line:W |                                                                                               |                                     |                                                          |                                                          |
|                                                                                                                                                    |                                                                                                                                            | 5. Bottom Hole Location:<br>Unit:E   Lot:E   Section:21   Township:26S   Range:30E<br>Feet from:1650   N/S Line:N<br>Feet from:990   E/W Line:W  |                                                                                               |                                     |                                                          |                                                          |
|                                                                                                                                                    |                                                                                                                                            | 6. Iatititude:<br>32.03072675871   longitude:<br>-103.891699021874                                                                               |                                                                                               |                                     |                                                          |                                                          |
|                                                                                                                                                    |                                                                                                                                            | 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:   7/8/2013   Frac Performed by: HAALIBURTON                                                                                |                                                                                                                                            | 12. Production Type:<br>O                                                                                                                        |                                                                                               |                                     |                                                          |                                                          |
| 13. Pool Code(s):<br>8090                                                                                                                          |                                                                                                                                            | 14. Gross Fractured Interval:<br>5,764 ft to 7,236 ft                                                                                            |                                                                                               |                                     |                                                          |                                                          |
| 15. True Vertical Depth (TVD):<br>7,343 ft                                                                                                         |                                                                                                                                            | 16. Total Volume of Fluid Pumped:<br>558,992 gals                                                                                                |                                                                                               |                                     |                                                          |                                                          |
| 17. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION:                                                                                                 |                                                                                                                                            |                                                                                                                                                  |                                                                                               |                                     |                                                          |                                                          |
| Trade Name                                                                                                                                         | Supplier                                                                                                                                   | Purpose                                                                                                                                          | Ingredients                                                                                   | (CAS #) Chemical Abstract Service # | Maximum Ingredient Concentration in Additive (% by mass) | Maximum Ingredient Concentration in HF Fluid (% by mass) |
| Fresh Water                                                                                                                                        | Operator                                                                                                                                   | Base Fluid                                                                                                                                       | Water                                                                                         | 7732-18-5                           | 100%                                                     | 85.08473%                                                |
| HYDROCHLORIC ACID 10-30%                                                                                                                           | Halliburton                                                                                                                                |                                                                                                                                                  | Hydrochloric acid                                                                             | 7647-01-0                           | 30%                                                      | 0.5123%                                                  |
| SAND - PREMIUM WHITE                                                                                                                               | Halliburton                                                                                                                                | Proppant                                                                                                                                         | Crystalline silica, quartz                                                                    | 14808-60-7                          | 100%                                                     | 9.23728%                                                 |
| CRC SAND                                                                                                                                           | Halliburton                                                                                                                                | Proppant                                                                                                                                         | Crystalline silica, quartz                                                                    | 14808-60-7                          | 100%                                                     | 3.56861%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                  | Hexamethylenetetramine                                                                        | 100-97-0                            | 2%                                                       | 0.07137%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                  | Phenol / formaldehyde resin                                                                   | 9003-35-4                           | 5%                                                       | 0.17843%                                                 |
| BE-9                                                                                                                                               | Halliburton                                                                                                                                | Biocide                                                                                                                                          | Tributyl tetradecyl phosphonium chloride                                                      | 81741-28-8                          | 10%                                                      | 0.00387%                                                 |
| CLA-WEB™                                                                                                                                           | Halliburton                                                                                                                                | Additive                                                                                                                                         | Ammonium salt                                                                                 | Confidential Business Information   | 60%                                                      | 0.02805%                                                 |
| LoSurf-360w                                                                                                                                        | Halliburton                                                                                                                                | Surfactant                                                                                                                                       | Poly (oxy-1,2-ethanediyl), .alpha.-isodecyl-.omega.-hydroxy-                                  | 61827-42-7                          | 30%                                                      | 0.00841%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                  | Glycerine                                                                                     | 56-81-5                             | 10%                                                      | 0.0028%                                                  |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                  | Complex alkylamine                                                                            | Confidential Business Information   | 5%                                                       | 0.0014%                                                  |
| HpH BREAKER                                                                                                                                        | Halliburton                                                                                                                                | Breaker                                                                                                                                          | Sodium chloride                                                                               | 7647-14-5                           | 30%                                                      | 0.00099%                                                 |
| BC-140 X2                                                                                                                                          | Halliburton                                                                                                                                | Initiator                                                                                                                                        | Ethylene glycol                                                                               | 107-21-1                            | 30%                                                      | 0.01972%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                  | Monoehtanolamine borate                                                                       | 26038-87-9                          | 100%                                                     | 0.06573%                                                 |
| SUPERSET W                                                                                                                                         | Halliburton                                                                                                                                | Activator                                                                                                                                        | Methanol                                                                                      | 67-56-1                             | 60%                                                      | 0.03865%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                  | Ethoxylated nonylphenol                                                                       | Confidential Business Information   | 60%                                                      | 0.03865%                                                 |
| WG-36 GELLING AGENT                                                                                                                                | Halliburton                                                                                                                                | Gelling Agent                                                                                                                                    | Guar gum                                                                                      | 9000-30-0                           | 100%                                                     | 0.15329%                                                 |
| OPTIFLO-HTE                                                                                                                                        | Halliburton                                                                                                                                | Breaker                                                                                                                                          | Crystalline silica, quartz                                                                    | 14808-60-7                          | 30%                                                      | 0.00132%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                  | Walnut hulls                                                                                  | Mixture                             | 100%                                                     | 0.0044%                                                  |
| Scalechek® SCP-2 Scale Inhibitor                                                                                                                   | Halliburton                                                                                                                                | Scale Preventer                                                                                                                                  | Glassy calcium magnesium phosphate                                                            | 65997-17-3                          | 100%                                                     | 0.02516%                                                 |
| Ingredients Listed Below This Line Are Part of the                                                                                                 |                                                                                                                                            |                                                                                                                                                  | 1,2-Benzisothiazolin-3-one                                                                    | 2634-33-5                           | 0%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                  | 2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt | 915-67-3                            | 0%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                  | Amine Salts                                                                                   | 75-57-0                             | 0%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                  | Amine Salts                                                                                   | 593-81-7                            | 0%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                  | Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex               | 121888-68-4                         | 0%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                  | C.I. Pigment Red 5                                                                            | 6410-41-9                           | 0%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                  | Calcium chloride                                                                              | 10043-52-4                          | 0%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                  | Crystalline Silica, Quartz                                                                    | 14808-60-7                          | 0%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                  | Cured Acrylic Resin                                                                           | Mixture                             | 0%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                  | Cured Acrylic Resin                                                                           | 9002-98-6                           | 0%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                  | Enzyme                                                                                        | 37288-54-3                          | 0%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                  | Enzyme                                                                                        | 9025-56-3                           | 0%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                  | Quaternary Amine                                                                              | 34004-36-9                          | 0%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                  | Quaternary Amine                                                                              | 3327-22-8                           | 0%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                  | Quaternary Amine                                                                              | 75-50-3                             | 0%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                  | Silica gel                                                                                    | 112926-00-8                         | 0%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                  | Sodium Chloride                                                                               | 7647-14-5                           | 0%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                  | Surfactant Mixture                                                                            | 67254-71-1                          | 0%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                  | Surfactant Mixture                                                                            | 56449-46-8                          | 0%                                                       | 0%                                                       |
| Water                                                                                                                                              | 7732-18-5                                                                                                                                  | 0%                                                                                                                                               | 0%                                                                                            |                                     |                                                          |                                                          |
| 18. I, as Operator, hereby certify that the information shown on this disclosure form is true and complete to the best of my knowledge and belief. |                                                                                                                                            |                                                                                                                                                  |                                                                                               |                                     |                                                          |                                                          |
| Signature:   Signed Electronically                                                                                                                 |                                                                                                                                            | Printed Name:   Jody Noerdlinger                                                                                                                 |                                                                                               | Title:   Regulatory Analyst         |                                                          |                                                          |
| Date:   10/25/2013                                                                                                                                 |                                                                                                                                            |                                                                                                                                                  |                                                                                               |                                     |                                                          |                                                          |
| E-mail Address:   jnoerdlinger@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.