

|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                        |                                                               |                                             |                                                          |                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| 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>30-025-41241                                                                                                                        |                                                               |                                             |                                                          |                                                          |
|                                                                                                                                                    |                                                                                                                                            | 2. Well Name:<br>CASCADE 29 FEDERAL #003H                                                                                                              |                                                               |                                             |                                                          |                                                          |
|                                                                                                                                                    |                                                                                                                                            | 3. Well Number:<br>003H                                                                                                                                |                                                               |                                             |                                                          |                                                          |
| HYDRAULIC FRACTURING FLUID<br>DISCLOSURE<br><br><input checked="" type="checkbox"/> Original<br><br><input type="checkbox"/> Amendment             |                                                                                                                                            | 4. Surface Hole Location:<br>Unit:B    Lot:B    Section:29    Township:25S    Range:33E<br>Feet from:330    N/S Line:N    E/W Line:E<br>Feet from:2310 |                                                               |                                             |                                                          |                                                          |
|                                                                                                                                                    |                                                                                                                                            | 5. Bottom Hole Location:<br>Unit:B    Lot:B    Section:29    Township:25S    Range:33E<br>Feet from:330    N/S Line:N    E/W Line:E<br>Feet from:2310  |                                                               |                                             |                                                          |                                                          |
|                                                                                                                                                    |                                                                                                                                            | 6. latitude:    longitude:<br>32.1079394708496    -103.593213379061                                                                                    |                                                               |                                             |                                                          |                                                          |
|                                                                                                                                                    |                                                                                                                                            | 7. County:<br>Lea                                                                                                                                      |                                                               |                                             |                                                          |                                                          |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                        |                                                               |                                             |                                                          |                                                          |
| 8. Operator Name and Address:<br>CIMAREX ENERGY CO.<br>600 N MARIENFELD STREET<br>SUITE 600<br>MIDLAND 79701                                       |                                                                                                                                            | 9. OGRID:<br>215099                                                                                                                                    | 10. Phone Number:                                             |                                             |                                                          |                                                          |
| 11. Last Fracture Date:    11/25/2014    Frac Performed by:    Halliburton                                                                         |                                                                                                                                            | 12. Production Type:<br>O                                                                                                                              |                                                               |                                             |                                                          |                                                          |
| 13. Pool Code(s):<br>97903                                                                                                                         |                                                                                                                                            | 14. Gross Fractured Interval:<br>9,848 ft to 9,893 ft                                                                                                  |                                                               |                                             |                                                          |                                                          |
| 15. True Vertical Depth (TVD):<br>9,892 ft                                                                                                         |                                                                                                                                            | 16. Total Volume of Fluid Pumped:<br>6,595,202 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                                                                                                                                             | Fresh Water                                                   | 7732-18-5                                   | 100%                                                     | 89.36266%                                                |
| SAND - PREMIUM WHITE                                                                                                                               | Halliburton                                                                                                                                | Proppant                                                                                                                                               | Crystalline silica, quartz                                    | 14808-60-7                                  | 100%                                                     | 10.51172%                                                |
| PermVis VFR-10                                                                                                                                     | Halliburton                                                                                                                                | Friction Reducer                                                                                                                                       | Hydrotreated light petroleum distillate                       | 64742-47-8                                  | 30%                                                      | 0.02103%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                        | Alcohols, C12-16, ethoxylated                                 | 68551-12-2                                  | 10%                                                      | 0.00701%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                        | Ammonium chloride                                             | 12125-02-9                                  | 10%                                                      | 0.00701%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                        | 9-Octadecenamide,n,n-bis-2 (hydroxy-ethyl)- (Z)               | 93-83-4                                     | 5%                                                       | 0.0035%                                                  |
| LoSurf-360W                                                                                                                                        | Halliburton                                                                                                                                | Surfactant                                                                                                                                             | Complex alkylamine                                            | Proprietary                                 | 5%                                                       | 0.00455%                                                 |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                        | Glycerine                                                     | 56-81-5                                     | 10%                                                      | 0.0091%                                                  |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                        | Poly(oxy-1,2-ethanediyl), ,alpha -isodecyl-, omega -hydroxy-  | 61827-42-7                                  | 30%                                                      | 0.02731%                                                 |
| OptiKleen-WF                                                                                                                                       | Halliburton                                                                                                                                | Concentrate                                                                                                                                            | Sodium perborate tetrahydrate                                 | 10486-00-7                                  | 100%                                                     | 0.00344%                                                 |
| HCL 15%                                                                                                                                            | Petroplex                                                                                                                                  | Acid                                                                                                                                                   | Hydrochloric Acid                                             | 7647-01-0                                   | 15%                                                      | 0.00605%                                                 |
| Mud Acid 7.5%                                                                                                                                      | Petroplex                                                                                                                                  | Acid                                                                                                                                                   | Hydrochloric Acid                                             | 7647-01-0                                   | 7.5%                                                     | 0%                                                       |
| ABF                                                                                                                                                | Petroplex                                                                                                                                  | Acid                                                                                                                                                   | Ammonium Hydrogen Fluoride                                    | 1341-49-7                                   | 95%                                                      | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                        | Ammonium Fluoride                                             | 12125-01-8                                  | 5%                                                       | 0%                                                       |
| Cronox AK-50                                                                                                                                       | Petroplex                                                                                                                                  | Corrosion Inhibitor                                                                                                                                    | Oxyalkylated Alkylphenol                                      | Proprietary                                 | 30%                                                      | 2E-05%                                                   |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                        | Heavy Aromatic Naptha                                         | 64742-94-5                                  | 30%                                                      | 2E-05%                                                   |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                        | Isopropanol                                                   | 67-63-0                                     | 30%                                                      | 2E-05%                                                   |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                        | Fatty Acids                                                   | Proprietary                                 | 10%                                                      | 1E-05%                                                   |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                        | Complex Alkylaryl Polyo-Ester                                 | Proprietary                                 | 10%                                                      | 1E-05%                                                   |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                        | Tar Bases, Quinoline Derivatives, Benzyl Chloride-Quaternized | 72480-70-7                                  | 10%                                                      | 1E-05%                                                   |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                        | Formaldehyde                                                  | 50-00-0                                     | 10%                                                      | 1E-05%                                                   |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                        | Acetylenic Alcohol                                            | Proprietary                                 | 5%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                        | Propargyl Alcohol                                             | 107-19-7                                    | 5%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                        | Napthalene                                                    | 91-20-3                                     | 5%                                                       | 0%                                                       |
| Citric Acid                                                                                                                                        | Petroplex                                                                                                                                  | Iron Control                                                                                                                                           | Citric Acid                                                   | 77-92-9                                     | 100%                                                     | 0.00202%                                                 |
| EC9546A                                                                                                                                            | Petroplex                                                                                                                                  | Surfactant                                                                                                                                             | Heavy Aromatic Naptha                                         | 64742-94-5                                  | 10%                                                      | 1E-05%                                                   |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                        | Isopropanol                                                   | 67-63-0                                     | 60%                                                      | 4E-05%                                                   |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                        | Polyethylene Glycol                                           | 25322-68-3                                  | 5%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                        | Napthalene                                                    | 91-20-3                                     | 1%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                        | Phosphoric Acid Ester                                         | Proprietary                                 | 10%                                                      | 1E-05%                                                   |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                        | Oxyalkylated Alcohol                                          | Proprietary                                 | 10%                                                      | 1E-05%                                                   |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                        | Oxyalkylated Alkyl Alcohol                                    | Proprietary                                 | 10%                                                      | 1E-05%                                                   |
| ClO2                                                                                                                                               | Bosque                                                                                                                                     | Biocide                                                                                                                                                | Chlorine Dioxide                                              | 10049-04-4                                  | 100%                                                     | 0.00014%                                                 |
| Ingredients Listed Below This Line Are Part of the                                                                                                 |                                                                                                                                            |                                                                                                                                                        | Alkane                                                        | Proprietary                                 | 0%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                        | Ethylenediaminetetraacetic acid, tetrasodium salt             | 64-02-8                                     | 0%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                        | Hydrogen peroxide                                             | 7722-84-1                                   | 0%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                        | Nitrotriactic acid, trisodium salt monohydrate                | 5064-31-3                                   | 0%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                        | Sodium bicarbonate                                            | 144-55-8                                    | 0%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                        | Sodium glycolate                                              | 2836-32-0                                   | 0%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                        | Sodium hydroxide                                              | 1310-73-2                                   | 0%                                                       | 0%                                                       |
|                                                                                                                                                    |                                                                                                                                            | Water                                                                                                                                                  | 7732-18-5                                                     | 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:    Skipper Herring                                                                                                                       |                                                               | Manager Stimulation<br>Title:    Operations |                                                          |                                                          |
| Date:    12/18/2014                                                                                                                                |                                                                                                                                            |                                                                                                                                                        |                                                               |                                             |                                                          |                                                          |
| E-mail Address:    sherring@cimarex.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.