

|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      |                                                                                               |                                     |                                                          |                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| Submit within 45 days of well completion                                                                                                               | <div>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</div> | Revised November 6, 2013                                                                                                                             |                                                                                               |                                     |                                                          |                                                          |
| <div>HYDRAULIC FRACTURING FLUID DISCLOSURE</div> <div><input checked="" type="checkbox"/> Original</div> <div><input type="checkbox"/> Amendment</div> |                                                                                                                                                           | 1. WELL API NO:<br>30-025-41007                                                                                                                      |                                                                                               |                                     |                                                          |                                                          |
|                                                                                                                                                        |                                                                                                                                                           | 2. Well Name:<br>BRANEX COG FEDERAL COM #018H                                                                                                        |                                                                                               |                                     |                                                          |                                                          |
|                                                                                                                                                        |                                                                                                                                                           | 3. Well Number:<br>018H                                                                                                                              |                                                                                               |                                     |                                                          |                                                          |
|                                                                                                                                                        |                                                                                                                                                           | 4. Surface Hole Location:<br>Unit:M    Lot:M    Section:9    Township:17S    Range:32E<br>Feet from:330    N/S Line:S<br>Feet from:330    E/W Line:W |                                                                                               |                                     |                                                          |                                                          |
| 5. Bottom Hole Location:<br>Unit:M    Lot:M    Section:10    Township:17S    Range:32E<br>Feet from:346    N/S Line:S<br>Feet from:929    E/W Line:W   |                                                                                                                                                           |                                                                                                                                                      |                                                                                               |                                     |                                                          |                                                          |
| 6. latitude:<br>32.8427773    longitude:<br>-103.7790298                                                                                               |                                                                                                                                                           |                                                                                                                                                      |                                                                                               |                                     |                                                          |                                                          |
| 7. County:<br>Lea                                                                                                                                      |                                                                                                                                                           |                                                                                                                                                      |                                                                                               |                                     |                                                          |                                                          |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      |                                                                                               |                                     |                                                          |                                                          |
| 8. Operator Name and Address:<br>COG OPERATING LLC<br>One Concho Center<br>600 W. Illinois Ave<br>Midland 79701                                        |                                                                                                                                                           | 9. OGRID:<br>229137                                                                                                                                  | 10. Phone Number:<br>432-685-4332                                                             |                                     |                                                          |                                                          |
| 11. Last Fracture Date:    3/31/2016    Frac Performed by:    Halliburton                                                                              |                                                                                                                                                           | 12. Production Type:<br>O                                                                                                                            |                                                                                               |                                     |                                                          |                                                          |
| 13. Pool Code(s):<br>44500                                                                                                                             |                                                                                                                                                           | 14. Gross Fractured Interval:<br>6,023 ft to 11,642 ft                                                                                               |                                                                                               |                                     |                                                          |                                                          |
| 15. True Vertical Depth (TVD):<br>5,751 ft                                                                                                             |                                                                                                                                                           | 16. Total Volume of Fluid Pumped:<br>4,904,354 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%                                                     | 88.82798%                                                |
| HYDROCHLORIC ACID                                                                                                                                      | Halliburton                                                                                                                                               | Base Fluid                                                                                                                                           | NA                                                                                            | NA                                  | 0%                                                       | 0%                                                       |
| DCA-23003, FE-1A ACIDIZING COMPOSITION, FE-2A, HAI                                                                                                     | Halliburton                                                                                                                                               | Additive, Concentrate, Corrosion Inhibitor, Friction Reducer, Proppant, Scale Preventer, Surfactant                                                  | NA                                                                                            | NA                                  | 0%                                                       | 0%                                                       |
| Scalechek(R) SCP-2 Scale Inhibitor                                                                                                                     | Halliburton                                                                                                                                               | NA                                                                                                                                                   | NA                                                                                            | NA                                  | 0%                                                       | 0%                                                       |
| CAT 106 SI                                                                                                                                             | Catalyst Oilfield Services                                                                                                                                | Scale Inhibitor                                                                                                                                      | NA                                                                                            | NA                                  | 0%                                                       | 0%                                                       |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Acetic acid                                                                                   | 64-19-7                             | 60%                                                      | 0.01132%                                                 |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Acetic anhydride                                                                              | 108-24-7                            | 100%                                                     | 0.01887%                                                 |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Acrylamide                                                                                    | 79-06-1                             | 0.01%                                                    | 1E-05%                                                   |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Acrylamide, sodium acrylate polymer                                                           | 25987-30-8                          | 30%                                                      | 0.02742%                                                 |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Alcohols, C14-C15, ethoxylated                                                                | 68951-67-7                          | 30%                                                      | 0.00121%                                                 |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Alkane                                                                                        | Confidential                        | 1%                                                       | 0.00047%                                                 |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Aluminum Silicate                                                                             | 1302-76-7                           | 100%                                                     | 1.02163%                                                 |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Citric acid                                                                                   | 77-92-9                             | 60%                                                      | 0.01175%                                                 |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Complex alkylamine                                                                            | Confidential                        | 5%                                                       | 0.00235%                                                 |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Crystalline silica, cristobalite                                                              | 14464-46-1                          | 30%                                                      | 0.30649%                                                 |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Crystalline silica, quartz                                                                    | 14808-60-7                          | 100%                                                     | 7.38051%                                                 |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Ethoxylated branched C13 alcohol                                                              | 78330-21-9                          | 5%                                                       | 0.00457%                                                 |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Ethylenediaminetetraacetic acid, tetrasodium salt                                             | 64-02-8                             | 0.01%                                                    | 1E-05%                                                   |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Fatty acids, tall oil                                                                         | Confidential                        | 30%                                                      | 0.00121%                                                 |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Glassy calcium magnesium phosphate                                                            | 65997-17-3                          | 100%                                                     | 0.01482%                                                 |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Glycerine                                                                                     | 56-81-5                             | 10%                                                      | 0.00471%                                                 |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Hydrochloric acid                                                                             | 7647-01-0                           | 60%                                                      | 1.51603%                                                 |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Hydrochloric Acid                                                                             | 7647-01-0                           | 1%                                                       | 0.00037%                                                 |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Hydrogen peroxide                                                                             | 7722-84-1                           | 0.01%                                                    | 1E-05%                                                   |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Hydrotreated light petroleum distillate                                                       | 64742-47-8                          | 30%                                                      | 0.02742%                                                 |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Methanol                                                                                      | 67-56-1                             | 60%                                                      | 0.00243%                                                 |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Mullite                                                                                       | 1302-93-8                           | 100%                                                     | 1.02163%                                                 |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Nitrotriactic acid, trisodium salt monohydrate                                                | 5064-31-3                           | 0.01%                                                    | 1E-05%                                                   |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Olefins                                                                                       | Confidential                        | 5%                                                       | 0.00049%                                                 |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Phosphonate Compound                                                                          | Confidential                        | 60%                                                      | 0.02243%                                                 |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Poly(oxy-1,2-ethanediyl), alpha.-isodecyl- omega.-hydroxy-                                    | 61827-42-7                          | 30%                                                      | 0.01413%                                                 |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Propargyl alcohol                                                                             | 107-19-7                            | 10%                                                      | 0.00041%                                                 |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide | 68527-49-1                          | 30%                                                      | 0.00121%                                                 |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Silica, amorphous - fumed                                                                     | 7631-86-9                           | 30%                                                      | 0.30649%                                                 |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Sorbitan, mono-9-octadecenoate, (Z)                                                           | 1338-43-8                           | 5%                                                       | 0.00457%                                                 |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Sodium bicarbonate                                                                            | 144-55-8                            | 0.01%                                                    | 1E-05%                                                   |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Sodium diacetate                                                                              | 126-96-5                            | 5%                                                       | 0.00457%                                                 |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Sodium glycolate                                                                              | 2836-32-0                           | 0.01%                                                    | 1E-05%                                                   |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Sodium hydroxide                                                                              | 1310-73-2                           | 0.01%                                                    | 1E-05%                                                   |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Sodium perborate tetrahydrate                                                                 | 10486-00-7                          | 100%                                                     | 0.01%                                                    |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Sorbitan monooleate                                                                           | 9005-65-6                           | 5%                                                       | 0.00457%                                                 |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | polyoxyethylene derivative                                                                    |                                     |                                                          |                                                          |
|                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                      | Water                                                                                         | 7732-18-5                           | 100%                                                     | 2.64483%                                                 |
| 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:    Chasity Jackson                                                                                                                     |                                                                                               | Title:    Regulatory Analyst        |                                                          |                                                          |
| Date:    5/5/2016                                                                                                                                      |                                                                                                                                                           |                                                                                                                                                      |                                                                                               |                                     |                                                          |                                                          |
| E-mail Address:    cjackson@conchoresources.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.