

|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     |                                                                     |                                              |                                                                      |                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------------------|
| 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>30-025-40107                                                                                                     |                                                                     |                                              |                                                                      |                                                                      |
|                                                                                                                                                    |                                                                                                                                            | 2. Well Name:<br>MERCHANT LIVESTOCK 19 22 33<br>STATE COM #001H                                                                     |                                                                     |                                              |                                                                      |                                                                      |
|                                                                                                                                                    |                                                                                                                                            | 3. Well Number:<br>001H                                                                                                             |                                                                     |                                              |                                                                      |                                                                      |
| HYDRAULIC FRACTURING FLUID DISCLOSURE<br><br><input checked="" type="checkbox"/> Original<br><br><input type="checkbox"/> Amendment                |                                                                                                                                            | 4. Surface Hole Location:<br>Unit:D Lot:1 Section:19 Township:22S Range:33E<br>Feet from:660 N/S Line:N<br>Feet from:330 E/W Line:W |                                                                     |                                              |                                                                      |                                                                      |
|                                                                                                                                                    |                                                                                                                                            | 5. Bottom Hole Location:<br>Unit:D Lot:1 Section:19 Township:22S Range:33E<br>Feet from:660 N/S Line:N<br>Feet from:330 E/W Line:W  |                                                                     |                                              |                                                                      |                                                                      |
|                                                                                                                                                    |                                                                                                                                            | 6. latitude: longitude:<br>32.3827401140407 -<br>103.618803955221                                                                   |                                                                     |                                              |                                                                      |                                                                      |
|                                                                                                                                                    |                                                                                                                                            | 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<br>Number:                         |                                                                      |                                                                      |
| 11. Last Fracture Date: 5/9/2012 Frac Performed by: Schlumberger                                                                                   |                                                                                                                                            | 12. Production Type:<br>O                                                                                                           |                                                                     |                                              |                                                                      |                                                                      |
| 13. Pool Code(s):<br>51687                                                                                                                         |                                                                                                                                            | 14. Gross Fractured Interval:<br>10,915 ft to 10,931 ft                                                                             |                                                                     |                                              |                                                                      |                                                                      |
| 15. True Vertical Depth (TVD):<br>10,931 ft                                                                                                        |                                                                                                                                            | 16. Total Volume of Fluid Pumped:<br>34,605 bbls                                                                                    |                                                                     |                                              |                                                                      |                                                                      |
| 17. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION:                                                                                                 |                                                                                                                                            |                                                                                                                                     |                                                                     |                                              |                                                                      |                                                                      |
| Trade Name                                                                                                                                         | Supplier                                                                                                                                   | Purpose                                                                                                                             | Ingredients                                                         | (CAS #)<br>Chemical<br>Abstract Service<br># | Maximum<br>Ingredient<br>Concentration in<br>Additive (% by<br>mass) | Maximum<br>Ingredient<br>Concentration in<br>HF Fluid (% by<br>mass) |
| B080, B244B,<br>F112, J218,<br>J475, J580,<br>J941, S012-20                                                                                        | Schlumberger                                                                                                                               | Activator ,<br>Bactericide,<br>Surfactant ,<br>Breaker,<br>Gelling<br>Agent,<br>Crosslinker,<br>Propping<br>Agent                   | Water (Including Mix<br>Water Supplied by<br>Client)*               | -                                            | 0%                                                                   | 84.90546%                                                            |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Crystalline silica                                                  | 14808-60-7                                   | 96.01%                                                               | 14.49261%                                                            |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Guar gum                                                            | 9000-30-0                                    | 1.2%                                                                 | 0.18095%                                                             |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Phenolic resin                                                      | 9003-35-4                                    | 1.08%                                                                | 0.16229%                                                             |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | 1, 2, 3 - Propanetriol                                              | 56-81-5                                      | 0.24%                                                                | 0.03673%                                                             |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Sodium tetraborate<br>decahydrate                                   | 1303-96-4                                    | 0.15%                                                                | 0.02204%                                                             |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Diammonium<br>peroxidisulphate                                      | 7727-54-0                                    | 0.12%                                                                | 0.01857%                                                             |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Propan-2-ol                                                         | 67-63-0                                      | 0.11%                                                                | 0.01633%                                                             |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Alcohol, C7-9-iso, C8,<br>ethoxylated                               | 78330-19-5                                   | 0.1%                                                                 | 0.01499%                                                             |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Polyethylene glycol<br>monoethyl ether                              | 31726-34-8                                   | 0.07%                                                                | 0.00996%                                                             |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Sodium hydroxide                                                    | 1310-73-2                                    | 0.05%                                                                | 0.00777%                                                             |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Glutaraldehyde                                                      | 111-30-8                                     | 0.03%                                                                | 0.00473%                                                             |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Vinylidene<br>chloride/methylacrylate<br>copolymer                  | 25038-72-6                                   | 0.02%                                                                | 0.00363%                                                             |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Non-crystalline silica                                              | 7631-86-9                                    | 0%                                                                   | 0.0005%                                                              |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Dicoco dimethyl<br>quaternary ammonium<br>chloride                  | 61789-77-3                                   | 0%                                                                   | 0.00044%                                                             |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Magnesium silicate<br>hydrate (talc)                                | 14807-96-6                                   | 0%                                                                   | 0.00019%                                                             |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Potassium hydroxide                                                 | 1310-58-3                                    | 0%                                                                   | 2E-05%                                                               |
| HCL 15%                                                                                                                                            | Petroplex                                                                                                                                  | Acid                                                                                                                                | Hydrochloric Acid                                                   | 7647-01-0                                    | 0.12%                                                                | 0.01827%                                                             |
| Cronox AK-50                                                                                                                                       | Petroplex                                                                                                                                  | Corrosion<br>Inhibitor                                                                                                              | Oxyalkylated<br>Alkylphenol                                         | Trade Secret                                 | 0%                                                                   | 7E-05%                                                               |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Heavy Aromatic<br>Naptha                                            | 64742-94-5                                   | 0%                                                                   | 7E-05%                                                               |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Isopropanol                                                         | 67-63-0                                      | 0%                                                                   | 7E-05%                                                               |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Fatty Acids                                                         | Trade Secret                                 | 0%                                                                   | 2E-05%                                                               |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Complex Alkylaryl<br>Polyo-Ester                                    | Trade Secret                                 | 0%                                                                   | 2E-05%                                                               |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Tar Bases, Quinoline<br>Derivatives, Benzyl<br>Chloride-Quaternized | 72480-70-7                                   | 0%                                                                   | 2E-05%                                                               |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Formaldehyde                                                        | 50-00-0                                      | 0%                                                                   | 2E-05%                                                               |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Acetylenic Alcohol                                                  | Trade Secret                                 | 0%                                                                   | 1E-05%                                                               |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Propargyl Alcohol                                                   | 107-19-7                                     | 0%                                                                   | 1E-05%                                                               |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Napthalene                                                          | 91-20-3                                      | 0%                                                                   | 1E-05%                                                               |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Citric Acid                                                         | Petroplex                                    | Iron Control                                                         | Citric Acid                                                          |
| EC9546A                                                                                                                                            | Petroplex                                                                                                                                  | Surfactant                                                                                                                          | Heavy Aromatic<br>Naptha                                            | 64742-94-5                                   | 0%                                                                   | 2E-05%                                                               |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Isopropanol                                                         | 67-63-0                                      | 0%                                                                   | 0.00013%                                                             |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Polyethylene Glycol                                                 | 25322-68.3                                   | 0%                                                                   | 1E-05%                                                               |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Napthalene                                                          | 91-20-3                                      | 0%                                                                   | 0%                                                                   |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Phosphoric Acid Ester                                               | Trade Secret                                 | 0%                                                                   | 2E-05%                                                               |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Oxyalkylated Alcohol                                                | Trade Secret                                 | 0%                                                                   | 2E-05%                                                               |
|                                                                                                                                                    |                                                                                                                                            |                                                                                                                                     | Oxyalkylated Alkyl<br>Alcohol                                       | Trade Secret                                 | 0%                                                                   | 2E-05%                                                               |
| 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: Skipper Herring                                                                                                       |                                                                     | Manager Stimulation<br>Title: Operations     |                                                                      |                                                                      |
| Date: 5/30/2012                                                                                                                                    |                                                                                                                                            |                                                                                                                                     |                                                                     |                                              |                                                                      |                                                                      |
| 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.