

|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        |                                             |                                     |                                                          |                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| 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>30-025-41138                                                                                                                        |                                             |                                     |                                                          |                                                          |
|                                                                                                                                                       |                                                                                                                                                           | 2. Well Name:<br>JACKSON UNIT #019H                                                                                                                    |                                             |                                     |                                                          |                                                          |
|                                                                                                                                                       |                                                                                                                                                           | 3. Well Number:<br>019H                                                                                                                                |                                             |                                     |                                                          |                                                          |
|                                                                                                                                                       |                                                                                                                                                           | 4. Surface Hole Location:<br>Unit:N    Lot:N    Section:21    Township:24S    Range:33E<br>Feet from:200    N/S Line:S    E/W Line:W<br>Feet from:1670 |                                             |                                     |                                                          |                                                          |
| 5. Bottom Hole Location:<br>Unit:C    Lot:3    Section:21    Township:24S    Range:33E<br>Feet from:330    N/S Line:N    E/W Line:W<br>Feet from:1705 |                                                                                                                                                           | 6. latitude:<br>32.1964260818128<br>longitude:<br>-103.580378562234                                                                                    |                                             |                                     |                                                          |                                                          |
| 7. County:<br>Lea                                                                                                                                     |                                                                                                                                                           |                                                                                                                                                        |                                             |                                     |                                                          |                                                          |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        |                                             |                                     |                                                          |                                                          |
| 8. Operator Name and Address:<br>MURCHISON OIL & GAS INC<br>1100 Mira Vista Blvd.<br>Plano 75093                                                      |                                                                                                                                                           | 9. OGRID:<br>15363                                                                                                                                     | 10. Phone Number:<br>972-931-0700           |                                     |                                                          |                                                          |
| 11. Last Fracture Date:    1/12/2014    Frac Performed by: Baker Hughes                                                                               |                                                                                                                                                           | 12. Production Type:<br>O                                                                                                                              |                                             |                                     |                                                          |                                                          |
| 13. Pool Code(s):<br>96674                                                                                                                            |                                                                                                                                                           | 14. Gross Fractured Interval:<br>Confidential                                                                                                          |                                             |                                     |                                                          |                                                          |
| 15. True Vertical Depth (TVD):<br>11,107 ft                                                                                                           |                                                                                                                                                           | 16. Total Volume of Fluid Pumped:<br>3,274,320 gals                                                                                                    |                                             |                                     |                                                          |                                                          |
| 17. Total Volume of Re-Use Water Pumped:<br>N/A                                                                                                       |                                                                                                                                                           | 18. Percent of Re-Use Water in Fluid Pumped:<br>Not Disclosed                                                                                          |                                             |                                     |                                                          |                                                          |
| 19. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION:                                                                                                    |                                                                                                                                                           |                                                                                                                                                        |                                             |                                     |                                                          |                                                          |
| Trade Name                                                                                                                                            | Supplier                                                                                                                                                  | Purpose                                                                                                                                                | Ingredients                                 | (CAS #) Chemical Abstract Service # | Maximum Ingredient Concentration in Additive (% by mass) | Maximum Ingredient Concentration in HF Fluid (% by mass) |
| Water                                                                                                                                                 | Operator                                                                                                                                                  | Carrier                                                                                                                                                | Water                                       | 7732-18-5                           | 100%                                                     | 85.77901%                                                |
| HCl, 7.6 - 10%                                                                                                                                        | Baker Hughes                                                                                                                                              | Acidizing                                                                                                                                              | Hydrochloric Acid                           | 7647-01-0                           | 10%                                                      | 0.12046%                                                 |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Water                                       | 7732-18-5                           | 90%                                                      | 1.08416%                                                 |
| Superset-W, 55 gal drum                                                                                                                               | Baker Hughes                                                                                                                                              | Activator                                                                                                                                              | Methanol                                    | 67-56-1                             | 50%                                                      | 0.03555%                                                 |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Poly (Oxyethylene)                          | 9016-45-9                           | 50%                                                      | 0.03555%                                                 |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Nonylphenol Ether                           |                                     |                                                          |                                                          |
| Alpha 125                                                                                                                                             | Baker Hughes                                                                                                                                              | Biocide                                                                                                                                                | Water                                       | 7732-18-5                           | 75%                                                      | 0.01557%                                                 |
| GBW-5                                                                                                                                                 | Baker Hughes                                                                                                                                              | Breaker                                                                                                                                                | Ammonium persulphate                        | 7727-54-0                           | 100%                                                     | 0.00748%                                                 |
| High Perm CRB                                                                                                                                         | Baker Hughes                                                                                                                                              | Breaker                                                                                                                                                | Ammonium Persulphate                        | 7727-54-0                           | 100%                                                     | 0.00374%                                                 |
| BF-9L, 55 gal drum                                                                                                                                    | Baker Hughes                                                                                                                                              | Buffer                                                                                                                                                 | Potassium Carbonate                         | 584-08-7                            | 60%                                                      | 0.0586%                                                  |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Potassium Hydroxide                         | 1310-58-3                           | 30%                                                      | 0.0293%                                                  |
| ClayCare, tote                                                                                                                                        | Baker Hughes                                                                                                                                              | Clay Control                                                                                                                                           | Choline Chloride                            | 67-48-1                             | 75%                                                      | 0.06754%                                                 |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Water                                       | 7732-18-5                           | 30%                                                      | 0.02032%                                                 |
| Clay Master-5C                                                                                                                                        | Baker Hughes                                                                                                                                              | Clay Control                                                                                                                                           | Oxyakylated Amine Quat                      | Trade Secret                        | 60%                                                      | 0.03144%                                                 |
| CI-27                                                                                                                                                 | Baker Hughes                                                                                                                                              | Corrosion Inhibitor                                                                                                                                    | Fatty Acids                                 | Trade Secret                        | 30%                                                      | 0.00033%                                                 |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Methanol                                    | 67-56-1                             | 60%                                                      | 0.00067%                                                 |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Olefin                                      | Trade Secret                        | 5%                                                       | 6E-05%                                                   |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Polyoxyalkylenes                            | Trade Secret                        | 30%                                                      | 0.00033%                                                 |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Propargyl Alcohol                           | 107-19-7                            | 10%                                                      | 0.00011%                                                 |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Thiourea Polymer                            | 68527-49-1                          | 30%                                                      | 0.00033%                                                 |
| XLW-10A                                                                                                                                               | Baker Hughes                                                                                                                                              | Crosslinker                                                                                                                                            | Ethylene Glycol                             | 107-21-1                            | 30%                                                      | 0.03336%                                                 |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Sodium Hydroxide                            | 1310-73-2                           | 10%                                                      | 0.01112%                                                 |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Sodium Tetraborate Decahydrate              | 1303-96-4                           | 30%                                                      | 0.03336%                                                 |
| MaxPerm-20A, 265 gallon tote                                                                                                                          | Baker Hughes                                                                                                                                              | Friction Reducer                                                                                                                                       | Oxyalkylated Alcohol                        | Trade Secret                        | 5%                                                       | 0.00053%                                                 |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Petroleum Distillates                       | 64742-47-8                          | 30%                                                      | 0.00315%                                                 |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Polyacrylate                                | Trade Secret                        | 60%                                                      | 0.00631%                                                 |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Sodium Chloride                             | 7647-14-5                           | 3%                                                       | 0.00032%                                                 |
| GW-4LDF                                                                                                                                               | Baker Hughes                                                                                                                                              | Gelling Agent                                                                                                                                          | Guar Gum                                    | 9000-30-0                           | 60%                                                      | 0.0796%                                                  |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Petroleum Distillate Blend (1)              | 64742-47-8                          | 70%                                                      | 0.09286%                                                 |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Petroleum Distillate Blend (3)              | 8042-47-5                           | 70%                                                      | 0.09286%                                                 |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Petroluem Distillate Blend (2)              | 64742-55-8                          | 70%                                                      | 0.09286%                                                 |
| GW-4                                                                                                                                                  | Baker Hughes                                                                                                                                              | Gelling Agent                                                                                                                                          | Guar Gum                                    | 9000-30-0                           | 100%                                                     | 0.15937%                                                 |
| AG-12                                                                                                                                                 | Baker Hughes                                                                                                                                              | Gelling Agent                                                                                                                                          | Acrylic Polymers                            | 26006-22-4                          | 50%                                                      | 0.00137%                                                 |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Distillates, Petroleum, Hydrotreated Middle | 64742-47-8                          | 21.1%                                                    | 0.00058%                                                 |
| NE-35, 330 gl tote                                                                                                                                    | Baker Hughes                                                                                                                                              | Non-emulsifier                                                                                                                                         | Mixture of Surfactants                      | Trade Secret                        | 50%                                                      | 0.04232%                                                 |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Propylene Glycol                            | 57-55-6                             | 30%                                                      | 0.02539%                                                 |
| Parasorb 5000, bag                                                                                                                                    | Baker Hughes                                                                                                                                              | Paraffin Inhibitor                                                                                                                                     | Calcined Diatomaceous Earth                 | 91053-39-3                          | 65%                                                      | 0.0162%                                                  |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Proprietary Paraffin Inhibitor              | Trade Secret                        | 25%                                                      | 0.00623%                                                 |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Silica, Crystalline-Quartz                  | 14808-60-7                          | 5%                                                       | 0.00125%                                                 |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | White Mineral Oil                           | 8042-47-5                           | 30%                                                      | 0.00748%                                                 |
| Sand, White, 30/50                                                                                                                                    | Baker Hughes                                                                                                                                              | Proppant                                                                                                                                               | Crystalline Silica (Quartz)                 | 14808-60-7                          | 100%                                                     | 7.40418%                                                 |
| Sand, White, 100 mesh                                                                                                                                 | Baker Hughes                                                                                                                                              | Proppant                                                                                                                                               | Crystalline Silica (Quartz)                 | 14808-60-7                          | 100%                                                     | 0.32423%                                                 |
| OilPlus Bulk (30/50)                                                                                                                                  | Baker Hughes                                                                                                                                              | Proppant                                                                                                                                               | Quartz (Silica)                             | 14808-60-7                          | 100%                                                     | 4.13033%                                                 |
| Scaletrol 720                                                                                                                                         | Baker Hughes                                                                                                                                              | Scale Inhibitor                                                                                                                                        | Calcium Chloride                            | 10043-52-4                          | 5%                                                       | 0.00124%                                                 |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Ethylene Glycol                             | 107-21-1                            | 30%                                                      | 0.00742%                                                 |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Cured Resin                                 | Trade Secret                        | 0%                                                       | 0.0008972%                                               |
| Ingredients shown above are subject to 29 CFR 1910                                                                                                    |                                                                                                                                                           |                                                                                                                                                        | Fatty Acid Esters                           | 67701-32-0                          | 0%                                                       | 5.22E-05%                                                |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Fatty Acid Oxyalkylate                      | 70142-34-6                          | 0%                                                       | 5.5E-06%                                                 |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Formaldehyde                                | 50-00-0                             | 0%                                                       | 6E-07%                                                   |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Glutaraldehyde                              | 111-30-8                            | 0%                                                       | 0.0062279%                                               |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Methanol                                    | 67-56-1                             | 0%                                                       | 5.19E-05%                                                |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Oleate Ester                                | 1338-43-8                           | 0%                                                       | 0.0003155%                                               |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Oxyalkylated Alkylphenol                    | 9016-45-9                           | 0%                                                       | 4.95E-05%                                                |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Polyacrylate                                | Trade Secret                        | 0%                                                       | 0.0049454%                                               |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Polysorbate                                 | 9005-65-6                           | 0%                                                       | 0.0003155%                                               |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Potassium Chloride                          | 7447-40-7                           | 0%                                                       | 1.24E-05%                                                |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Sodium Chloride                             | 7647-14-5                           | 0%                                                       | 0.0012182%                                               |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Vinyl Acetate                               | 24937-78-8                          | 0%                                                       | 0%                                                       |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Ethylene Copolymer                          |                                     |                                                          |                                                          |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Water                                       | 7732-18-5                           | 0%                                                       | 0.1146844%                                               |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | Xylene                                      | 1330-20-7                           | 0%                                                       | 1.65E-05%                                                |
|                                                                                                                                                       |                                                                                                                                                           |                                                                                                                                                        | diester of sulfosuccinic acid sodium salt   | 2673-22-5                           | 0%                                                       | 1.37E-05%                                                |
| 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:    Cindy Cottrell    Title:    Regulatory Coordinator                                            |                                                                                                                                                           |                                                                                                                                                        |                                             |                                     |                                                          |                                                          |
| Date:    2/4/2014                                                                                                                                     |                                                                                                                                                           |                                                                                                                                                        |                                             |                                     |                                                          |                                                          |
| E-mail Address:    ccottrell@dmii.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.