

|                                                                                                                       |                                                                                                                                               |                                                                                                                                      |                                                  |                                     |                                                          |                                                          |
|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| well completion                                                                                                       | State of New Mexico<br>Energy, Minerals and<br>Natural Resources<br>Oil Conservation Division<br>1220 S. St Francis Dr.<br>Santa Fe, NM 87505 | 1. WELL API NO.<br>30-015-38611                                                                                                      |                                                  |                                     |                                                          |                                                          |
|                                                                                                                       |                                                                                                                                               | 2. Well Name:<br>ARCTURUS 18 FEDERAL COM #004H                                                                                       |                                                  |                                     |                                                          |                                                          |
|                                                                                                                       |                                                                                                                                               | 3. Well Number:<br>004H                                                                                                              |                                                  |                                     |                                                          |                                                          |
| HYDRAULIC FRACTURING FLUID DISCLOSURE                                                                                 |                                                                                                                                               | 4. Surface Hole Location:<br>Unit:M Lot:4 Section:18 Township:19S Range:31E<br>Feet from:1150 N/S Line:S<br>Feet from:340 E/W Line:W |                                                  |                                     |                                                          |                                                          |
| <input checked="" type="checkbox"/> Original                                                                          |                                                                                                                                               | 5. Bottom Hole Location:<br>Unit:M Lot:4 Section:18 Township:19S Range:31E<br>Feet from:1150 N/S Line:S<br>Feet from:340 E/W Line:W  |                                                  |                                     |                                                          |                                                          |
| <input type="checkbox"/> Amendment                                                                                    |                                                                                                                                               | 6. Latitude: 32.6562624379413 Longitude: - 103.91591853223                                                                           |                                                  |                                     |                                                          |                                                          |
|                                                                                                                       |                                                                                                                                               | 7. County:<br>Eddy                                                                                                                   |                                                  |                                     |                                                          |                                                          |
| 8. Operator Name and Address:<br>DEVON ENERGY PRODUCTION COMPANY, LP<br>333 W. Sheridan Avenue<br>Oklahoma City 73102 |                                                                                                                                               | 9. OGRID:<br>6137                                                                                                                    |                                                  |                                     |                                                          |                                                          |
|                                                                                                                       |                                                                                                                                               | 10. Phone Number:<br>405-228-8588                                                                                                    |                                                  |                                     |                                                          |                                                          |
| 11. Last Fracture Date: 2/9/2012 Frac Performed by: Baker Hughes                                                      |                                                                                                                                               | 12. Production Type:<br>O                                                                                                            |                                                  |                                     |                                                          |                                                          |
| 13. Pool Code(s):<br>97020                                                                                            |                                                                                                                                               | 14. Gross Fractured Interval:<br>9,200 ft to 13,178 ft                                                                               |                                                  |                                     |                                                          |                                                          |
| 15. True Vertical Depth (TVD):<br>8,875 ft                                                                            |                                                                                                                                               | 16. Total Volume of Fluid Pumped:<br>27,391 bbls                                                                                     |                                                  |                                     |                                                          |                                                          |
| 17. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION:                                                                    |                                                                                                                                               |                                                                                                                                      |                                                  |                                     |                                                          |                                                          |
| Trade Name                                                                                                            | Supplier                                                                                                                                      | Purpose                                                                                                                              | Ingredients                                      | (CAS #) Chemical Abstract Service # | Maximum Ingredient Concentration in Additive (% by mass) | Maximum Ingredient Concentration in HF Fluid (% by mass) |
| Water                                                                                                                 | Operator                                                                                                                                      | Carrier                                                                                                                              | Water                                            | 7732-18-5                           | 100%                                                     | 85.17047%                                                |
| HCl, 5.1 - 7.5%                                                                                                       | Baker Hughes                                                                                                                                  | Acidizing                                                                                                                            | Hydrochloric Acid                                | 7647-01-0                           | 7.5%                                                     | 0.04829%                                                 |
|                                                                                                                       |                                                                                                                                               |                                                                                                                                      | Water                                            | 7732-18-5                           | 92.5%                                                    | 0.59552%                                                 |
| X-Cide 207                                                                                                            | Baker Hughes                                                                                                                                  | Biocide                                                                                                                              | 2-Methyl-4-Isothiazolin-3-One                    | 2682-20-4                           | 5%                                                       | 5E-05%                                                   |
|                                                                                                                       |                                                                                                                                               |                                                                                                                                      | 5-Chloro-2-Methyl-4-Isothiazolin-3-One           | 26172-55-4                          | 10%                                                      | 9E-05%                                                   |
|                                                                                                                       |                                                                                                                                               |                                                                                                                                      | Crystalline Silica: Cristobalite                 | 14464-46-1                          | 1%                                                       | 1E-05%                                                   |
|                                                                                                                       |                                                                                                                                               |                                                                                                                                      | Crystalline Silica: Quartz (SiO2)                | 14808-60-7                          | 1%                                                       | 1E-05%                                                   |
|                                                                                                                       |                                                                                                                                               |                                                                                                                                      | Diatomaceous Earth, Calcined                     | 91053-39-3                          | 60%                                                      | 0.00056%                                                 |
|                                                                                                                       |                                                                                                                                               |                                                                                                                                      | Magnesium Chloride                               | 7786-30-3                           | 5%                                                       | 5E-05%                                                   |
|                                                                                                                       |                                                                                                                                               |                                                                                                                                      | Magnesium Nitrate                                | 10377-60-3                          | 10%                                                      | 9E-05%                                                   |
| Alpha 125                                                                                                             | Baker Hughes                                                                                                                                  | Biocide                                                                                                                              | Glutaraldehyde                                   | 111-30-8                            | 30%                                                      | 0.00857%                                                 |
| Enzyme G-I                                                                                                            | Baker Hughes                                                                                                                                  | Breaker                                                                                                                              | Hemicellulase Enzyme Concentrate                 | 9025-56-3                           | 3%                                                       | 0.00199%                                                 |
|                                                                                                                       |                                                                                                                                               |                                                                                                                                      | Water                                            | 7732-18-5                           | 97%                                                      | 0.06442%                                                 |
| High Perm CRB                                                                                                         | Baker Hughes                                                                                                                                  | Breaker                                                                                                                              | Ammonium Persulfate                              | 7727-54-0                           | 100%                                                     | 0.00488%                                                 |
|                                                                                                                       |                                                                                                                                               |                                                                                                                                      | Crystalline Silica Quartz                        | 14808-60-7                          | 15%                                                      | 0.00073%                                                 |
| GBW-18                                                                                                                | Baker Hughes                                                                                                                                  | Breaker                                                                                                                              | Sodium Persulfate                                | 7775-27-1                           | 100%                                                     | 0.00049%                                                 |
| GBW-33D                                                                                                               | Baker Hughes                                                                                                                                  | Breaker                                                                                                                              | Calcium Carbonate                                | 471-34-1                            | 7%                                                       | 3E-05%                                                   |
|                                                                                                                       |                                                                                                                                               |                                                                                                                                      | Corn Meal                                        | N.A.                                | 83%                                                      | 0.00037%                                                 |
|                                                                                                                       |                                                                                                                                               |                                                                                                                                      | Linseed Meal                                     | 8001-26-1                           | 10%                                                      | 4E-05%                                                   |
| BF-9L, 55 gal drum                                                                                                    | Baker Hughes                                                                                                                                  | Buffer                                                                                                                               | Potassium Carbonate                              | 584-08-7                            | 60%                                                      | 0.03591%                                                 |
|                                                                                                                       |                                                                                                                                               |                                                                                                                                      | Potassium Hydroxide                              | 1310-58-3                           | 30%                                                      | 0.01796%                                                 |
| ClayCare, tote                                                                                                        | Baker Hughes                                                                                                                                  | Clay Control                                                                                                                         | Choline Chloride                                 | 67-48-1                             | 75%                                                      | 0.06765%                                                 |
|                                                                                                                       |                                                                                                                                               |                                                                                                                                      | Water                                            | 7732-18-5                           | 30%                                                      | 0.02706%                                                 |
| Clay Master-5C                                                                                                        | Baker Hughes                                                                                                                                  | Clay Control                                                                                                                         | Oxyalkylated Amine Quat                          | 138879-94-4                         | 60%                                                      | 0.00021%                                                 |
| CI-27                                                                                                                 | Baker Hughes                                                                                                                                  | Corrosion Inhibitor                                                                                                                  | Alkenes^ C>10 Alpha-Ethoxylated Alcohols^ C14-15 | 64743-02-8<br>68951-67-7            | 5%<br>30%                                                | 5E-05%<br>0.0003%                                        |
|                                                                                                                       |                                                                                                                                               |                                                                                                                                      | Methanol                                         | 67-56-1                             | 60%                                                      | 0.0006%                                                  |
|                                                                                                                       |                                                                                                                                               |                                                                                                                                      | Propargyl Alcohol                                | 107-19-7                            | 10%                                                      | 0.0001%                                                  |
|                                                                                                                       |                                                                                                                                               |                                                                                                                                      | Tall Oil Acid                                    | 61790-12-3                          | 30%                                                      | 0.0003%                                                  |
|                                                                                                                       |                                                                                                                                               |                                                                                                                                      | Thiourea Polymer                                 | 68527-49-1                          | 30%                                                      | 0.0003%                                                  |
| XLW-4                                                                                                                 | Baker Hughes                                                                                                                                  | Crosslinker                                                                                                                          | Sodium Borate Decahydrate                        | 1303-96-4                           | 30%                                                      | 0.01064%                                                 |
| XLW-30G, drum                                                                                                         | Baker Hughes                                                                                                                                  | Crosslinker                                                                                                                          | Borate Suspension                                | Trade Secret                        | 99.8%                                                    | 0.08129%                                                 |
|                                                                                                                       |                                                                                                                                               |                                                                                                                                      | Crystalline Silica Quartz                        | 14808-60-7                          | 0.2%                                                     | 0.00016%                                                 |
| FRW-14 (Small Tote)                                                                                                   | Baker Hughes                                                                                                                                  | Friction Reducer                                                                                                                     | No Hazardous Ingredients                         | Trade Secret                        | 100%                                                     | 0.00368%                                                 |
| GW-4LDF                                                                                                               | Baker Hughes                                                                                                                                  | Gelling Agent                                                                                                                        | Guar Gum                                         | 9000-30-0                           | 40%                                                      | 0.24981%                                                 |
|                                                                                                                       |                                                                                                                                               |                                                                                                                                      | Petroleum Distillates Blend                      | Trade Secret                        | 70%                                                      | 0.43716%                                                 |
| AG-12                                                                                                                 | Baker Hughes                                                                                                                                  | Gelling Agent                                                                                                                        | Acrylic Polymers                                 | 26006-22-4                          | 60%                                                      | 5E-05%                                                   |
|                                                                                                                       |                                                                                                                                               |                                                                                                                                      | Distillates, Petroleum, Hydrotreated Middle      | 64742-47-8                          | 30%                                                      | 2E-05%                                                   |
|                                                                                                                       |                                                                                                                                               |                                                                                                                                      | Nonylphenol Ethoxylate                           | 64742-46-7                          | 5%                                                       | 0%                                                       |
| Ferrotrol 280L                                                                                                        | Baker Hughes                                                                                                                                  | Iron Control                                                                                                                         | Ammonium Hydroxide                               | 1336-21-6                           | 5%                                                       | 0.0001%                                                  |
|                                                                                                                       |                                                                                                                                               |                                                                                                                                      | Cupric Chloride                                  | 10125-13-0                          | 5%                                                       | 0.0001%                                                  |
|                                                                                                                       |                                                                                                                                               |                                                                                                                                      | Thioglycol                                       | 60-24-2                             | 100%                                                     | 0.00194%                                                 |
| NE-945, tote                                                                                                          | Baker Hughes                                                                                                                                  | Non-emulsifier                                                                                                                       | Oxyalkylated alcohol                             | Trade Secret                        | 5%                                                       | 0.00431%                                                 |
| Sand, White, 20/40                                                                                                    | Baker Hughes                                                                                                                                  | Proppant                                                                                                                             | Crystalline Silica (Quartz)                      | 14808-60-7                          | 100%                                                     | 9.53783%                                                 |
| Sand, White, 100 mesh                                                                                                 | Baker Hughes                                                                                                                                  | Proppant                                                                                                                             | Crystalline Silica (Quartz)                      | 14808-60-7                          | 100%                                                     | 0.41715%                                                 |
| Super LC, 20/40                                                                                                       | Baker Hughes                                                                                                                                  | Proppant                                                                                                                             | Hexamethylenetetramine                           | 1009-7-0                            | 0.01%                                                    | 0.00031%                                                 |
|                                                                                                                       |                                                                                                                                               |                                                                                                                                      | P/F Resin                                        | 9003-35-4                           | 5%                                                       | 0.1541%                                                  |
|                                                                                                                       |                                                                                                                                               |                                                                                                                                      | Silicon Dioxide (Silica Sand)                    | 14808-60-7                          | 97%                                                      | 2.98956%                                                 |
| ES-4A, Greenskeeper Solvent                                                                                           | Baker Hughes                                                                                                                                  | Solvent                                                                                                                              | Petroleum Distillates Blend                      | Trade Secret                        | 100%                                                     | 0.00652%                                                 |
| InFlo 250W                                                                                                            | Baker Hughes                                                                                                                                  | Surfactant                                                                                                                           | 2-Butoxyethanol                                  | 111-76-2                            | 20%                                                      | 0.00875%                                                 |
|                                                                                                                       |                                                                                                                                               |                                                                                                                                      | Methanol                                         | 67-56-1                             | 30%                                                      | 0.01313%                                                 |
|                                                                                                                       |                                                                                                                                               |                                                                                                                                      | Surfactants                                      |                                     |                                                          |                                                          |