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State of New Mexico

Energy, Minerals and Natural Resources

Oil Conservation Division

1220 S. St Francis Dr.

Santa Fe, NM 87505

Revised November 6, 2013

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:  
Unit:E    Lot:E    Section: 11    Township: 19S    Range: 31E  
Feet from: 1980    N/S Line: N  
Feet from: 50    E/W Line: W

5. Bottom Hole Location:  
Unit:E    Lot:E    Section: 11    Township: 19S    Range: 31E  
Feet from: 1980    N/S Line: N  
Feet from: 50    E/W Line: W

6. latitude:    longitude:    -103.6248856

7. County:    Eddy

8. Operator Name and Address:  
DEVON ENERGY PRODUCTION COMPANY, LP  
333 W. Sheridan Avenue  
Oklahoma City 73102

9. OGRID:    6137

10. Phone Number:    405-228-8588

11. Last Fracture Date:    12/11/2015    Frac Performed by:    FTS International Services

12. Production Type:  
O

13. Pool Code(s):  
29290

14. Gross Fractured Interval:  
Confidential

15. True Vertical Depth (TVD):  
9,046 ft

16. Total Volume of Fluid Pumped:  
27,873,524 galls

17. Total Volume of Re-Use Water Pumped:  
N/A

18. Percent of Re-Use Water in Fluid Pumped:  
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                           |                                                          | 74.3152736%                                              |
| APB-1                   | FTSI     | Gel breaker              | Ammonium Persulfate                                  | 7727-54-0                           | 100%                                                     | 0.0016001%                                               |
| CI-150                  | FTSI     | Acid Corrosion Inhibitor | Isopropanol                                          | 67-83-0                             | 30%                                                      | 0.0001853%                                               |
|                         |          |                          | Dimethylformamide                                    | 68-12-2                             | 10%                                                      | 6.18E-05%                                                |
|                         |          |                          | Organic amine resin salt                             | Proprietary                         | 30%                                                      | 0.0001853%                                               |
|                         |          |                          | Quaternary ammonium compound                         | Proprietary                         | 10%                                                      | 6.18E-05%                                                |
|                         |          |                          | Aromatic aldehyde                                    | Proprietary                         | 10%                                                      | 6.18E-05%                                                |
|                         |          |                          | Ethylene Glycol                                      | 107-21-1                            | 30%                                                      | 0.0001853%                                               |
|                         |          |                          | Water                                                | 7732-18-5                           | 5%                                                       | 3.09E-05%                                                |
|                         |          |                          | Fatty Acid                                           | Proprietary                         | 0.1%                                                     | 6E-07%                                                   |
|                         |          |                          | Fatty Acid Salt                                      | Proprietary                         | 0.1%                                                     | 6E-07%                                                   |
|                         |          |                          | Aliphatic alcohol                                    | Proprietary                         | 0.1%                                                     | 6E-07%                                                   |
|                         |          |                          | Alkylene Oxide Block Polymer                         | Proprietary                         | 10%                                                      | 6.18E-05%                                                |
|                         |          |                          | Diethylene glycol                                    | 111-46-6                            | 1%                                                       | 6.2E-06%                                                 |
| CS POLYBREAK 210        | FTSI     | Polymer breaker          | Sodium chlorite                                      | 7758-19-2                           | 5%                                                       | 0.000342%                                                |
|                         |          |                          | Water                                                | 7732-18-5                           | 95%                                                      | 0.0064983%                                               |
|                         |          |                          | Sodium Hydroxide                                     | 1310-73-2                           | 0%                                                       | 0%                                                       |
| FE-200L                 | FTSI     | Iron Control             | Tetrasodium EDTA                                     | 64-02-8                             | 41%                                                      | 0.0003342%                                               |
|                         |          |                          | Sodium Hydroxide                                     | 1310-73-2                           | 2%                                                       | 1.63E-05%                                                |
|                         |          |                          | Trisodium Nitrotriacetic acid                        | 5064-31-3                           | 2%                                                       | 1.63E-05%                                                |
|                         |          |                          | Ethylenediaminetriacetic acid, trisodium salt        | 19019-43-3                          | 0.8%                                                     | 6.5E-06%                                                 |
|                         |          |                          | Water                                                | 7732-18-5                           | 60%                                                      | 0.0004891%                                               |
|                         |          |                          | Sodium formate                                       | 141-53-7                            | 0.6%                                                     | 4.9E-06%                                                 |
|                         |          |                          | Sodium glycolate                                     | 2836-32-0                           | 1.5%                                                     | 1.22E-05%                                                |
|                         |          |                          | Iminodiacetate disodium salt                         | 17593-73-6                          | 0.2%                                                     | 1.6E-06%                                                 |
| FRW-200                 | FTSI     | Friction reducer         | Petroleum distillate                                 | 64742-47-8                          | 26%                                                      | 0.0018638%                                               |
|                         |          |                          | hydrotreated light                                   |                                     |                                                          |                                                          |
|                         |          |                          | Acrylamide P/W acrylic acid, ammonium salt           | 26100-47-0                          | 25%                                                      | 0.0017921%                                               |
|                         |          |                          | Water                                                | 7732-18-5                           | 48%                                                      | 0.0034408%                                               |
|                         |          |                          | Sorbitan Monooleate                                  | 1338-43-8                           | 3%                                                       | 0.000215%                                                |
|                         |          |                          | Alcohols (C12-C14), ethoxylated                      | 68439-50-9                          | 4%                                                       | 0.0002867%                                               |
|                         |          |                          | Alcohols (C12-C16), ethoxylated                      | 68551-12-2                          | 4%                                                       | 0.0002867%                                               |
|                         |          |                          | Alcohols (C10-C16), ethoxylated                      | 68002-97-1                          | 4%                                                       | 0.0002867%                                               |
|                         |          |                          | Acrylamide                                           | 79-06-1                             | 0.1%                                                     | 7.2E-06%                                                 |
|                         |          |                          | Dewaxed heavy paraffinic                             | 64742-65-0                          | 1.5%                                                     | 0.0001075%                                               |
|                         |          |                          | Ammonium Acrylate                                    | 10604-69-0                          | 0.5%                                                     | 3.58E-05%                                                |
|                         |          |                          | Ammonium Chloride                                    | 12125-02-9                          | 12%                                                      | 0.0008602%                                               |
|                         |          |                          | Polyethylene glycol monooleate                       | 9004-96-0                           | 3%                                                       | 0.000215%                                                |
|                         |          |                          | Alkylloxypolyethyleneoxyethanol                      | 84133-50-6                          | 1%                                                       | 7.17E-06%                                                |
|                         |          |                          | Sorbitol Tetraoleate                                 | 61723-83-9                          | 2%                                                       | 0.0001434%                                               |
|                         |          |                          | Copolymer of acrylamide and sodium acrylate          | 25987-30-8                          | 33%                                                      | 0.0023655%                                               |
|                         |          |                          | Surfactant                                           | Proprietary                         | 7%                                                       | 0.0005018%                                               |
|                         |          |                          | Hydrotreated heavy paraffinic                        | 64742-54-7                          | 5%                                                       | 0.0003584%                                               |
|                         |          |                          | Isopropanol                                          | 67-63-0                             | 0.3%                                                     | 2.15E-05%                                                |
| LTB-1                   | FTSI     | Breaker                  | Ammonium Persulfate                                  | 7727-54-0                           | 100%                                                     | 0.0069097%                                               |
|                         |          |                          | Cured acrylic resin                                  | Proprietary                         | 100%                                                     | 0.0069097%                                               |
|                         |          |                          | Silica, Crystalline- Quartz                          | 14808-60-7                          | 10%                                                      | 0.000691%                                                |
|                         |          |                          | Proprietary                                          | Proprietary                         | 0%                                                       | 0%                                                       |
| NE-100                  | FTSI     | Non-emulsifier           | 2-Butoxyethanol                                      | 111-76-2                            | 10%                                                      | 0.0071921%                                               |
|                         |          |                          | 2-Propanol                                           | 67-63-0                             | 10%                                                      | 0.0071921%                                               |
|                         |          |                          | Dodecylbenzenesulfonic acid                          | 27176-87-0                          | 5%                                                       | 0.003596%                                                |
|                         |          |                          | Water                                                | 7732-18-5                           | 90%                                                      | 0.0647285%                                               |
|                         |          |                          | Sulfuric Acid                                        | 7664-93-9                           | 0.01%                                                    | 1.01E-05%                                                |
|                         |          |                          | Sulfur Dioxide                                       | 7446-09-5                           | 0%                                                       | 1E-06%                                                   |
|                         |          |                          | Benzene, C10-16 Alkyl Derivatives                    | 68648-87-3                          | 0.04%                                                    | 3.02E-05%                                                |
| Hydrochloric Acid (HCl) | FTSI     | Acid                     | Unsulphonated Matter                                 | Proprietary                         | 0.03%                                                    | 2.01E-05%                                                |
|                         |          |                          | Hydrogen Chloride                                    | 7647-01-0                           | 37%                                                      | 0.1194936%                                               |
|                         |          |                          | Water                                                | 7732-18-5                           | 63%                                                      | 0.2034621%                                               |
| B-10                    | FTSI     | High pH buffer           | Potassium carbonate                                  | 584-08-7                            | 48%                                                      | 0.0300564%                                               |
|                         |          |                          | Potassium hydroxide                                  | 1310-58-3                           | 20%                                                      | 0.0125243%                                               |
|                         |          |                          | Water                                                | 7732-18-5                           | 55%                                                      | 0.034442%                                                |
| BXL-2                   | FTSI     | Borate crosslinker       | Sodium metaborate                                    | 10555-76-7                          | 25%                                                      | 0.0127542%                                               |
|                         |          |                          | Boric acid                                           | 10043-35-3                          | 15%                                                      | 0.0076525%                                               |
|                         |          |                          | Potassium hydroxide                                  | 1310-58-3                           | 12%                                                      | 0.006122%                                                |
|                         |          |                          | Water                                                | 7732-18-5                           | 75%                                                      | 0.0382626%                                               |
| BXL-3                   | FTSI     | Crosslinker              | proprietary (borate) Salt                            | 1319-33-1                           | 40%                                                      | 0.0242318%                                               |
|                         |          |                          | Hydrated aluminium-magnesium silicate (polygorskite) | 12174-11-7                          | 5%                                                       | 0.003029%                                                |
|                         |          |                          | calcium carbonate                                    | 1317-65-3                           | 5%                                                       | 0.003029%                                                |
|                         |          |                          | polyanionic cellulose                                | 9004-32-4                           | 1%                                                       | 0.0006058%                                               |
|                         |          |                          | modified polyacrylate                                | trade secret                        | 1%                                                       | 0.0006058%                                               |
|                         |          |                          | magnesium                                            | 16389-88-1                          | 1%                                                       | 0.0006058%                                               |
|                         |          |                          | water                                                | 7732-18-5                           | 50%                                                      | 0.0302897%                                               |
|                         |          |                          | potassium formate                                    | 590-29-4                            | 35%                                                      | 0.0212028%                                               |
|                         |          |                          | crystalline silica, quartz                           | 14808-60-7                          | 0.05%                                                    | 3.03E-05%                                                |
|                         |          |                          | sodium chloride                                      | 7647-14-5                           | 0.01%                                                    | 3E-06%                                                   |
| 20/40 White             | FTSI     | proppant                 | Silica, Quartz                                       | 14808-60-7                          | 100%                                                     | 25.0136116%                                              |

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:    Rebecca Deal

Title:    Regulatory Professional

Date:    3/4/2016

E-mail Address:    rebecca.deal@dm.com

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