

Submit within 45 days of well completion

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

1. WELL API NO:  
30-025-41452

2. Well Name:  
RESOLUTE BTO FEDERAL COM #002H

3. Well Number:  
002H

HYDRAULIC FRACTURING FLUID  
DISCLOSURE

☒ Original  
☐ Amendment

4. Surface Hole Location:  
Unit:G    Lot:G    Section:24    Township:25S    Range:32E  
Feet from:2590    N/S Line:N  
Feet from:2200    E/W Line:E

5. Bottom Hole Location:  
Unit:G    Lot:G    Section:24    Township:25S    Range:32E  
Feet from:2590    N/S Line:N  
Feet from:2200    E/W Line:E

6. latitude:  
32.1162186    longitude:  
-103.626976

7. County:  
Lea

8. Operator Name and Address:  
YATES PETROLEUM CORPORATION  
105 S 4TH ST  
ARTESIA 88210

9. OGRID:    25575

10. Phone Number:

11. Last Fracture Date:    12/7/2015    Frac Performed by:    Schlumberger

12. Production Type:  
O  
14. Gross Fractured Interval:  
9,590 ft to 16,623 ft

13. Pool Code(s):  
97784

15. True Vertical Depth (TVD):  
9,209 ft

16. Total Volume of Fluid Pumped:  
9,908,187 gals

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) |
|--------------------------------|--------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| H015:SlickWater:WF112          | Schlumberger | Acid Corrosion Inhibitor, Demulsifier, Water Gelling Agent, Surfactant, Acid, Breaker, Friction Redu | Water (Including Mix Water Supplied by Client)*                  |                                     | 0%                                                       | 88.53014%                                                |
|                                |              |                                                                                                      | 1, 2, 3 - Propanetriol                                           | 56-81-5                             | 0.00145%                                                 | 0.00017%                                                 |
|                                |              |                                                                                                      | Tetrasodium ethylenediaminetetraacetate                          | 64-02-8                             | 0.02304%                                                 | 0.00264%                                                 |
|                                |              |                                                                                                      | Ethanol                                                          | 64-17-5                             | 0%                                                       | 0%                                                       |
|                                |              |                                                                                                      | Acetic Acid                                                      | 64-19-7                             | 0%                                                       | 0%                                                       |
|                                |              |                                                                                                      | Propan-2-ol                                                      | 67-63-0                             | 0.02366%                                                 | 0.00271%                                                 |
|                                |              |                                                                                                      | Oxirane                                                          | 75-21-8                             | 0%                                                       | 0%                                                       |
|                                |              |                                                                                                      | Propylene Oxide                                                  | 75-56-9                             | 0%                                                       | 0%                                                       |
|                                |              |                                                                                                      | 2-Propenamid (impurity)                                          | 79-06-1                             | 0.00071%                                                 | 0%                                                       |
|                                |              |                                                                                                      | Cinnamaldehyde                                                   | 104-55-2                            | 0.00263%                                                 | 0.0003%                                                  |
|                                |              |                                                                                                      | Glutaraldehyde                                                   | 111-30-8                            | 0.03406%                                                 | 0.00391%                                                 |
|                                |              |                                                                                                      | Oleic Acid                                                       | 112-80-1                            | 0%                                                       | 0%                                                       |
|                                |              |                                                                                                      | 1,4-Dioxane                                                      | 123-91-1                            | 0%                                                       | 0%                                                       |
|                                |              |                                                                                                      | Acetic acid, potassium salt                                      | 127-08-2                            | 0%                                                       | 0%                                                       |
|                                |              |                                                                                                      | Disodium Ethylene Diamine Tetra Acetate (impurity)               | 139-33-3                            | 0.00062%                                                 | 0%                                                       |
|                                |              |                                                                                                      | Potassium Oleate                                                 | 143-19-0                            | 0%                                                       | 0%                                                       |
|                                |              |                                                                                                      | Trisodium Ethylenediaminetetraacetate (impurity)                 | 150-38-9                            | 0.00062%                                                 | 0%                                                       |
|                                |              |                                                                                                      | Sodium sulfocyanate                                              | 540-72-7                            | 0.00412%                                                 | 0.00047%                                                 |
|                                |              |                                                                                                      | Sodium hydroxide                                                 | 1310-73-2                           | 0.00062%                                                 | 0%                                                       |
|                                |              |                                                                                                      | Sorbitan monooleate                                              | 1338-43-9                           | 0.01584%                                                 | 0.00182%                                                 |
|                                |              |                                                                                                      | Decyl-dimethyl amine oxide                                       | 2605-79-0                           | 0.00231%                                                 | 0.00027%                                                 |
|                                |              |                                                                                                      | Sodium Glycolate (impurity)                                      | 2836-32-0                           | 0.00187%                                                 | 0.00021%                                                 |
|                                |              |                                                                                                      | Trisodium nitriotriacetate (impurity)                            | 5064-31-3                           | 0.0031%                                                  | 0%                                                       |
|                                |              |                                                                                                      | Potassium chloride                                               | 7447-40-7                           | 0.00696%                                                 | 0.0008%                                                  |
|                                |              |                                                                                                      | Silicone Dioxide                                                 | 7631-86-9                           | 0%                                                       | 0%                                                       |
|                                |              |                                                                                                      | Hydrochloric acid                                                | 7647-01-0                           | 1.79608%                                                 | 0.20601%                                                 |
|                                |              |                                                                                                      | Sodium chloride                                                  | 7647-14-5                           | 0.27859%                                                 | 0.03195%                                                 |
|                                |              |                                                                                                      | Diammonium peroxidisulphate                                      | 7727-54-0                           | 0.02875%                                                 | 0.0033%                                                  |
|                                |              |                                                                                                      | Magnesium chloride                                               | 7786-30-3                           | 0.26117%                                                 | 0.02966%                                                 |
|                                |              |                                                                                                      | Guar gum                                                         | 9000-30-0                           | 0.00868%                                                 | 0.001%                                                   |
|                                |              |                                                                                                      | Dodecyl poly(oxyethylene) ether                                  | 9002-92-0                           | 0.00032%                                                 | 0%                                                       |
|                                |              |                                                                                                      | Methyl oxirane polymer with oxirane                              | 9003-11-6                           | 0.00029%                                                 | 0%                                                       |
|                                |              |                                                                                                      | Ethoxylated oleic acid                                           | 9004-96-0                           | 0.01584%                                                 | 0.00182%                                                 |
|                                |              |                                                                                                      | Calcium chloride                                                 | 10043-52-4                          | 0.03856%                                                 | 0.00419%                                                 |
|                                |              |                                                                                                      | 2-Propenoic acid, ammonium salt                                  | 10604-69-0                          | 0.00388%                                                 | 0.00045%                                                 |
|                                |              |                                                                                                      | Ammonium chloride                                                | 12125-02-9                          | 0.07921%                                                 | 0.00909%                                                 |
|                                |              |                                                                                                      | Quartz, Crystalline silica                                       | 14808-60-7                          | 96.96048%                                                | 11.12124%                                                |
|                                |              |                                                                                                      | Acrylamide/ammonium acrylate copolymer                           | 26100-47-0                          | 0.12674%                                                 | 0.01454%                                                 |
|                                |              |                                                                                                      | Isodecanol w/6-7 Moles Ethylene Oxide                            | 26183-52-8                          | 0.00403%                                                 | 0.00046%                                                 |
|                                |              |                                                                                                      | 2-Ethylhexanol ethoxylate                                        | 26468-96-0                          | 0.07146%                                                 | 0.0082%                                                  |
|                                |              |                                                                                                      | Glycols, polyethylene, monotetradecyl ether                      | 27306-79-2                          | 0.00023%                                                 | 0%                                                       |
|                                |              |                                                                                                      | Polyethylenimin, polymer with ethylene oxide and propylene oxide | 52501-07-2                          | 0.00073%                                                 | 0%                                                       |
|                                |              |                                                                                                      | Sorbitol Tetraoleate                                             | 61723-83-9                          | 0.00475%                                                 | 0.00055%                                                 |
|                                |              |                                                                                                      | Dicoco dimethyl quaternary ammonium chloride                     | 61789-77-3                          | 0.00281%                                                 | 0.00032%                                                 |
|                                |              |                                                                                                      | Amines, tallow alkyl, ethoxylated                                | 61791-26-2                          | 0.00077%                                                 | 0%                                                       |
|                                |              |                                                                                                      | Distillates, petroleum, hydrotreated light                       | 64742-47-8                          | 0.16634%                                                 | 0.01908%                                                 |
|                                |              |                                                                                                      | Alkyl (c10-c14) alcohols, ethoxylated                            | 66455-15-0                          | 0.00015%                                                 | 0%                                                       |
|                                |              |                                                                                                      | Alcohols, C10-C16, ethoxylated                                   | 68002-97-1                          | 0.00317%                                                 | 0.00036%                                                 |
|                                |              |                                                                                                      | Crosslinked PO/EO-block polymer                                  | 68123-18-2                          | 0.00058%                                                 | 0%                                                       |
|                                |              |                                                                                                      | Fatty acid, tall-oil reaction products with acetophenone         | 68188-40-9                          | 0.00719%                                                 | 0.00082%                                                 |
| Alcohols, C12-C14, ethoxylated | 68439-50-9   | 0.00238%                                                                                             | 0.00027%                                                         |                                     |                                                          |                                                          |
| Alcohols, C12-C16, ethoxylated | 68551-12-2   | 0.00838%                                                                                             | 0.00096%                                                         |                                     |                                                          |                                                          |
| Alcohol, C11-14, ethoxylated   | 78330-21-9   | 0.00015%                                                                                             | 0%                                                               |                                     |                                                          |                                                          |
| C14 alpha olefin ethoxylate    | 84133-50-6   | 0.00238%                                                                                             | 0.00027%                                                         |                                     |                                                          |                                                          |

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:    Tina Huerta

Date:    2/3/2016

E-mail Address:    tinah@ypcnm.com

Regulatory Reporting Supervisor

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.