

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:  
30-015-39733

2. Well Name:  
MARTHA AIK FEDERAL #008H

3. Well Number:  
008H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:  
Unit A   Lot A   Section: 11   Township: 22S   Range: 31E  
Feet from: 430   N/S Line: N  
Feet from: 200   E/W Line: E

5. Bottom Hole Location:  
Unit A   Lot A   Section: 11   Township: 22S   Range: 31E  
Feet from: 497   N/S Line: N  
Feet from: 1650   E/W Line: W

6. latitude:   longitude:  
32.4121203441926   -  
103.740702896303

7. County:  
Eddy

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

9. OGRID:   25575

10. Phone Number:

11. Last Fracture Date:   12/16/2013   Frac Performed by:   Halliburton

12. Production Type:  
O

13. Pool Code(s):  
39360

14. Gross Fractured Interval:  
8,543 ft to 11,420 ft

15. True Vertical Depth (TVD):  
8,227 ft

16. Total Volume of Fluid Pumped:  
1,314,437 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) |
|----------------------------------------------------|-------------|---------------------|-----------------------------------------------------------------------------------------------|------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| Fresh Water                                        | Operator    |                     |                                                                                               |                                    | 100%                                                     | 84.31641%                                                |
| HYDROCHLORIC ACID 10-30%                           | Halliburton |                     | Hydrochloric acid                                                                             | 7647-01-0                          | 30%                                                      | 0.60063%                                                 |
| PREMIUM PROP                                       | Halliburton | Proppant            | Crystalline silica, cristobalite                                                              | 14464-46-1                         | 5%                                                       | 0.52624%                                                 |
|                                                    |             |                     | Sintered bauxite                                                                              | 1318-16-7                          | 100%                                                     | 10.52475%                                                |
| CRC SAND                                           | Halliburton | Proppant            | Crystalline silica, quartz                                                                    | 14808-60-7                         | 100%                                                     | 2.71028%                                                 |
|                                                    |             |                     | Hexamethylenetetramine                                                                        | 100-97-0                           | 2%                                                       | 0.05421%                                                 |
|                                                    |             |                     | Phenol / formaldehyde resin                                                                   | 9003-35-4                          | 5%                                                       | 0.13551%                                                 |
| BC-140 X2                                          | Halliburton | Initiator           | Ethylene glycol                                                                               | 107-21-1                           | 30%                                                      | 0.0075%                                                  |
|                                                    |             |                     | Monoethanolamine borate                                                                       | 26038-87-9                         | 100%                                                     | 0.025%                                                   |
| Cla-Web™                                           | Halliburton | Additive            | Ammonium salt                                                                                 | Confidential Business Information  | 60%                                                      | 0.00306%                                                 |
| FDP-S1007-11                                       | Halliburton | Surfactant          | Citrus, extract                                                                               | 94266-47-4                         | 10%                                                      | 0.00403%                                                 |
|                                                    |             |                     | Isopropanol                                                                                   | 67-63-0                            | 30%                                                      | 0.0121%                                                  |
| BE-9                                               | Halliburton | Biocide             | Tributyl tetradecyl phosphonium chloride                                                      | 81741-28-8                         | 10%                                                      | 0.00414%                                                 |
| MO-67                                              | Halliburton | pH Control Additive | Sodium hydroxide                                                                              | 1310-73-2                          | 30%                                                      | 0.01028%                                                 |
| Hph BREAKER                                        | Halliburton | Breaker             | Sodium chloride                                                                               | 7647-14-5                          | 30%                                                      | 0.00029%                                                 |
| SUPERSET W                                         | Halliburton | Activator           | Methanol                                                                                      | 67-56-1                            | 60%                                                      | 0.03445%                                                 |
|                                                    |             |                     | Ethoxylated nonylphenol                                                                       | Confidential Business Information  | 60%                                                      | 0.03445%                                                 |
| CLA-STA XP ADDITIVE                                | Halliburton | Clay Stabilizer     | Polypichlorohydrin, trimethyl amine quaternized                                               | 51838-31-4                         | 60%                                                      | 0.00383%                                                 |
| FR-38                                              | Halliburton | Friction Reducer    | Acetic acid                                                                                   | 64-19-7                            | 5%                                                       | 0.00028%                                                 |
|                                                    |             |                     | Ammonium sulfate inorganic salt                                                               | Confidential Business Information  | 30%                                                      | 0.00169%                                                 |
| BA-20 BUFFERING AGENT                              | Halliburton | Buffer              | Acetic acid                                                                                   | 64-19-7                            | 30%                                                      | 0.00634%                                                 |
|                                                    |             |                     | Ammonium acetate                                                                              | 631-61-8                           | 100%                                                     | 0.02112%                                                 |
| WG-36 GELLING AGENT                                | Halliburton | Gelling Agent       | Guar gum                                                                                      | 9000-30-0                          | 100%                                                     | 0.18819%                                                 |
| BE-6 MICROBIOCIDE                                  | Halliburton | Biocide             | 2-Bromo-2-nitro-1,3-propanediol                                                               | 52-51-7                            | 100%                                                     | 0.00031%                                                 |
| OPTIFLO-HTE                                        | Halliburton | Breaker             | Crystalline silica, quartz                                                                    | 14808-60-7                         | 30%                                                      | 0.00234%                                                 |
|                                                    |             |                     | Walnut hulls                                                                                  | Mixture                            | 100%                                                     | 0.00781%                                                 |
| Scalechek® SCP-2 Scale Inhibitor                   | Halliburton | Scale Preventer     | Glassy calcium magnesium phosphate                                                            | 65997-17-3                         | 100%                                                     | 0.01181%                                                 |
| OptiKleen-WF™                                      | Halliburton | Concentrate         | Sodium perborate tetrahydrate                                                                 | 10486-00-7                         | 100%                                                     | 0.00072%                                                 |
| Ingredients Listed Below This Line Are Part of the |             |                     | 1,2-Benzisothiazolin-3-one                                                                    | 2634-33-5                          | 0%                                                       | 0%                                                       |
|                                                    |             |                     | 2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt | 915-67-3                           | 0%                                                       | 0%                                                       |
|                                                    |             |                     | Acrylamide copolymer                                                                          | 108388-79-0                        | 0%                                                       | 0%                                                       |
|                                                    |             |                     | Aluminum oxide                                                                                | 1344-28-1                          | 0%                                                       | 0%                                                       |
|                                                    |             |                     | Aluminum silicate                                                                             | 1302-76-7                          | 0%                                                       | 0%                                                       |
|                                                    |             |                     | Amine salt                                                                                    | Confidential Business Information  | 0%                                                       | 0%                                                       |
|                                                    |             |                     | Amine salts                                                                                   | Confidential Business Information  | 0%                                                       | 0%                                                       |
|                                                    |             |                     | Amine salts                                                                                   | Confidential Business Information  | 0%                                                       | 0%                                                       |
|                                                    |             |                     | Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex               | 121888-68-4                        | 0%                                                       | 0%                                                       |
|                                                    |             |                     | C.I. Pigment Red 5                                                                            | 6410-41-9                          | 0%                                                       | 0%                                                       |
|                                                    |             |                     | Calcium chloride                                                                              | 10043-52-4                         | 0%                                                       | 0%                                                       |
|                                                    |             |                     | Crystalline Silica, Quartz                                                                    | 14808-60-7                         | 0%                                                       | 0%                                                       |
|                                                    |             |                     | Cured acrylic resin                                                                           | Confidential Business Information  | 0%                                                       | 0%                                                       |
|                                                    |             |                     | Cured acrylic resin                                                                           | Confidential Business Information  | 0%                                                       | 0%                                                       |
|                                                    |             |                     | Defoamer                                                                                      | 63148-62-9                         | 0%                                                       | 0%                                                       |
|                                                    |             |                     | Enzyme                                                                                        | Confidential Business Information  | 0%                                                       | 0%                                                       |
|                                                    |             |                     | Enzyme                                                                                        | Confidential Business Information  | 0%                                                       | 0%                                                       |
|                                                    |             |                     | Glycerine                                                                                     | 56-81-5                            | 0%                                                       | 0%                                                       |
|                                                    |             |                     | Iron oxide                                                                                    | 1309-37-1                          | 0%                                                       | 0%                                                       |
|                                                    |             |                     | Modified acrylamide copolymer                                                                 | 153568-80-0                        | 0%                                                       | 0%                                                       |
|                                                    |             |                     | Modified acrylate polymer                                                                     | 54076-97-0                         | 0%                                                       | 0%                                                       |
|                                                    |             |                     | Quaternary amine                                                                              | Confidential Business Information  | 0%                                                       | 0%                                                       |
|                                                    |             |                     | Quaternary amine                                                                              | Confidential Business Information  | 0%                                                       | 0%                                                       |
|                                                    |             |                     | Quaternary amine                                                                              | Confidential Business Information  | 0%                                                       | 0%                                                       |
|                                                    |             |                     | Silica gel                                                                                    | 112926-00-8                        | 0%                                                       | 0%                                                       |
|                                                    |             |                     | Silica, amorphous - fumed                                                                     | 7631-86-9                          | 0%                                                       | 0%                                                       |
|                                                    |             |                     | Sodium acetate                                                                                | 127-09-3                           | 0%                                                       | 0%                                                       |
|                                                    |             |                     | Sodium chloride                                                                               | 7647-14-5                          | 0%                                                       | 0%                                                       |
|                                                    |             |                     | Surfactant mixture                                                                            | Confidential Business Information  | 0%                                                       | 0%                                                       |
|                                                    |             |                     | Surfactant mixture                                                                            | Confidential Business Information  | 0%                                                       | 0%                                                       |
|                                                    |             |                     | Titanium dioxide                                                                              | 13463-67-7                         | 0%                                                       | 0%                                                       |
|                                                    |             |                     | Trimethylamine, N-oxide                                                                       | 1184-78-7                          | 0%                                                       | 0%                                                       |
|                                                    |             |                     | Water                                                                                         | 7732-18-5                          | 0%                                                       | 0%                                                       |

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:   1/17/2014

E-mail Address:   tinah@ypcnm.com

Regulatory Reporting

Title:   Supervisor

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