

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:  
30-025-43234

2. Well Name:  
VITALIZER STATE #001H

3. Well Number:  
001H

HYDRAULIC FRACTURING FLUID  
DISCLOSURE

☒Original  
☐Amendment

4. Surface Hole Location:  
Unit:D    Lot:D    Section:33    Township:21S    Range:34E  
Feet from:200    N/S Line:N  
Feet from:350    E/W Line:W

5. Bottom Hole Location:  
Unit:D    Lot:D    Section:33    Township:21S    Range:34E  
Feet from:200    N/S Line:N  
Feet from:350    E/W Line:W

6. latitude:    32.263141    longitude:    -103.285628

7. County:  
Lea

8. Operator Name and Address:  
GMT EXPLORATION COMPANY LLC  
1560 Broadway  
Suite 2000  
Denver 80202

9. OGRID:    260511

10. Phone Number:    720-946-3028

11. Last Fracture Date:    10/3/2016    Frac Performed by:    Halliburton

12. Production Type:  
O

13. Pool Code(s):  
28430

14. Gross Fractured Interval:  
Confidential

15. True Vertical Depth (TVD):  
10,799 ft

16. Total Volume of Fluid Pumped:  
6,054,336 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     | Base Fluid       | Water   | 7732-18-5                           | 100%   | 84.21188%  |
| BC-140 X2  | Halliburton  | Initiator        | Listed Below  | Listed Below                        | 0%   | 0%   |
| BE-9   | Halliburton  | Biocide          | Listed Below  | Listed Below                        | 0%   | 0%   |
| Cia-Web(TM)  | Halliburton  | Additive         | Listed Below  | Listed Below                        | 0%   | 0%   |
| FDP-S1204-15                                       | Halliburton  | Friction Reducer | Listed Below  | Listed Below                        | 0%   | 0%   |
| FDP-S1231-16                                       | Halliburton  | Surfactant       | Listed Below  | Listed Below                        | 0%   | 0%   |
| HYDROCHLORIC ACID                                  | Halliburton  | Solvent          | Listed Below  | Listed Below                        | 0%   | 0%   |
| ISOPROPYL ALCOHOL                                  | Halliburton  | Solvent          | Listed Below  | Listed Below                        | 0%   | 0%   |
| LCA-1  | Halliburton  | Solvent          | Listed Below  | Listed Below                        | 0%   | 0%   |
| OptiKleen-WF(TM)                                   | Halliburton  | Concentrate      | Listed Below  | Listed Below                        | 0%   | 0%   |
| SAND-COMMON WHITE-100 MESH, SSA-2, BULK (100003676 | Halliburton  | Proppant         | Listed Below  | Listed Below                        | 0%   | 0%   |
| SAND-PREMIUM WHITE-20/40, BULK                     | Halliburton  | Proppant         | Listed Below  | Listed Below                        | 0%   | 0%   |
| SandWedge(R) ABC                                   | Halliburton  | Flow Enhancer    | Listed Below  | Listed Below                        | 0%   | 0%   |
| Scalechek(R) SCP-2 Scale Inhibitor                 | Halliburton  | Scale Preventer  | Listed Below  | Listed Below                        | 0%   | 0%   |
| SP BREAKER   | Halliburton  | Breaker          | Listed Below  | Listed Below                        | 0%   | 0%   |
| WG-36 GELLING AGENT                                | Halliburton  | Gelling Agent    | Listed Below  | Listed Below                        | 0%   | 0%   |
| MSDS and Non-MSDS Ingredients are listed below the |              |                  |   |                                     | 0%   | 0%   |
| Ingredients  | Listed Above | Listed Above     | 2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt | 915-67-3                            | 0.1%   | 5E-05%   |
|  |              |                  | Acetic acid   | 64-19-7                             | 1%   | 0.00236%   |
|  |              |                  | Alcohols  | Proprietary                         | 1%   | 0.00073%   |
|  |              |                  | Amine salts   | Proprietary                         | 0.1%   | 5E-05%   |
|  |              |                  | Butyl alcohol   | 71-36-3                             | 10%  | 0.00728%   |
|  |              |                  | Copolymer of acrylamide and sodium acrylate   | 25085-02-3                          | 30%  | 0.01409%   |
|  |              |                  | Crystalline silica, quartz  | 14808-60-7                          | 100%   | 14.39427%  |
|  |              |                  | Diethanolamine  | 111-42-2                            | 1%   | 0.00073%   |
|  |              |                  | Ethoxylated alcohols  | Proprietary                         | 30%  | 0.02184%   |
|  |              |                  | Ethoxylated amine   | Proprietary                         | 5%   | 0.01182%   |
|  |              |                  | Ethoxylated fatty acid  | Proprietary                         | 5%   | 0.00235%   |
|  |              |                  | Ethoxylated fatty acid ester  | Proprietary                         | 1%   | 0.00047%   |
|  |              |                  | Ethoxylated fatty acids   | Proprietary                         | 30%  | 0.02184%   |
|  |              |                  | Ethoxylated nonylphenol   | Proprietary                         | 5%   | 0.00235%   |
|  |              |                  | Ethylene glycol   | 107-21-1                            | 30%  | 0.01415%   |
|  |              |                  | Fatty acid amine salt mixture   | 68139-75-3                          | 60%  | 0.14183%   |
|  |              |                  | Fatty nitrogen derived amides   | Proprietary                         | 30%  | 0.02184%   |
|  |              |                  | Glassy calcium magnesium phosphate  | 65997-17-3                          | 100%   | 0.0166%  |
|  |              |                  | Guar gum  | 9000-30-0                           | 100%   | 0.11674%   |
|  |              |                  | Hdrotreated light petroleum distillates   | Proprietary                         | 100%   | 0.00018%   |
|  |              |                  | Heavy aromatic petroleum naphtha  | 64742-94-5                          | 30%  | 0.07091%   |
|  |              |                  | Hydrochloric acid   | 7647-01-0                           | 60%  | 0.46997%   |
|  |              |                  | Hydrotreated light petroleum distillate   | 64742-47-8                          | 30%  | 0.01409%   |
|  |              |                  | Hydrotreated light petroluem distillate   | Proprietary                         | 30%  | 0.02184%   |
|  |              |                  | Hydroxyalkylammonium chloride   | Proprietary                         | 60%  | 0.01584%   |
|  |              |                  | Isopropanol   | 67-63-0                             | 100%   | 0.0255%  |
|  |              |                  | Monoethanolamine borate   | 26038-87-9                          | 100%   | 0.04717%   |
|  |              |                  | Naphthalene   | 91-20-3                             | 5%   | 0.01182%   |
|  |              |                  | Polyethylene glycol   | 25322-68-3                          | 1%   | 0.00073%   |
|  |              |                  | Potassium acetate   | 127-08-2                            | 0.01%  | 2E-05%   |
|  |              |                  | Quaternary amine  | Proprietary                         | 5%   | 0.00161%   |
|  |              |                  | Sodium chloride   | 7647-14-5                           | 10%  | 0.00602%   |
|  |              |                  | Sodium perborate tetrahydrate   | 10486-00-7                          | 100%   | 0.00548%   |
|  |              |                  | Sodium persulfate   | 7775-27-1                           | 100%   | 0.00033%   |
|  |              |                  | Sodium sulfate  | 7757-82-6                           | 0.1%   | 0%   |
|  |              |                  | Sorbitan monooleate polyoxyethylene derivative  | 9005-65-6                           | 5%   | 0.00235%   |
|  |              |                  | Tributyl tetradecyl phosphonium chloride  | 81741-28-8                          | 10%  | 0.00379%   |
|  |              |                  | Water   | 7732-18-5                           | 100%   | 1.04834%   |

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:    Marissa Walters    Title:    Pertotech

Date:    10/17/2016

E-mail Address:    mwalters@gmtexploration.com

NMOCD does not require the reporting of information beyond MSDS data as described in 29 CFR 1910.1200. NMOCD does not require the reporting or disclosure of proprietary, trade secret or confidential business information.