

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:  
30-015-44016

2. Well Name:  
CEDAR CANYON 28 FEDERAL #009H

3. Well Number:  
009H

HYDRAULIC FRACTURING FLUID  
DISCLOSURE

☒ Original  
☐ Amendment

4. Surface Hole Location:  
Unit:H    Lot:H    Section:29    Township:24S    Range:29E  
Feet from:1990    N/S Line:N  
Feet from:120    E/W Line:E

5. Bottom Hole Location:  
Unit:H    Lot:    Section:28    Township:24S    Range:29E  
Feet from:1684    N/S Line:N  
Feet from:163    E/W Line:E

6. latitude:  
32.1909764    longitude:  
-103.9814295

7. County:  
Eddy

8. Operator Name and Address:  
OXY USA INC  
PO Box 4294  
Houston 77210

9. OGRID:  
16696

10. Phone Number:  
713-366-5716

11. Last Fracture Date:  
3/28/2017    Frac Performed by:  
Schlumberger

12. Production Type:  
O

13. Pool Code(s):  
96473

14. Gross Fractured Interval:  
9,079 ft to 13,637 ft

15. True Vertical Depth (TVD):  
8,708 ft

16. Total Volume of Fluid Pumped:  
6,958,299 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) |
|--------------------|--------------|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| Proppant Transport | Schlumberger | Acid Corrosion Inhibitor, Water Gelling Agent, Surfactant, Acid, Breaker, Friction Reducer, Chelatin | Water (Including Mix Water Supplied by Client)*                                                    | CAS Not Assigned                    | 0%                                                       | 88.14997%                                                |
|                    |              |                                                                                                      | Quartz, Crystalline silica                                                                         | 14808-60-7                          | 98.42639%                                                | 11.66355%                                                |
|                    |              |                                                                                                      | Guar gum                                                                                           | 9000-30-0                           | 0.66505%                                                 | 0.07881%                                                 |
|                    |              |                                                                                                      | Hydrochloric acid                                                                                  | 7647-01-0                           | 0.60468%                                                 | 0.07165%                                                 |
|                    |              |                                                                                                      | Diammonium peroxodisulphate                                                                        | 7727-54-0                           | 0.07669%                                                 | 0.00909%                                                 |
|                    |              |                                                                                                      | Ammonium sulfate                                                                                   | 7783-20-2                           | 0.07208%                                                 | 0.00854%                                                 |
|                    |              |                                                                                                      | Polyethylene glycol monoheyl ether                                                                 | 31726-34-8                          | 0.05908%                                                 | 0.007%                                                   |
|                    |              |                                                                                                      | Acrylamide, 2-acrylamido-2-methylpropanesulfonic acid, sodium salt polymer                         | 38193-60-1                          | 0.0532%                                                  | 0.0063%                                                  |
|                    |              |                                                                                                      | Vinylidene chloride/methylacrylate copolymer                                                       | 25038-72-6                          | 0.00783%                                                 | 0.00093%                                                 |
|                    |              |                                                                                                      | Polymer of 2-acrylamido-2-methylpropanesulfonic acid sodium salt and methyl acrylate               | 136793-29-8                         | 0.0057%                                                  | 0.00068%                                                 |
|                    |              |                                                                                                      | Tetrasodium ethylenediaminetetraacetate                                                            | GeOeral                             | 0.00549%                                                 | 0.00065%                                                 |
|                    |              |                                                                                                      | Dicoco dimethyl quaternary ammonium chloride                                                       | 61789-77-3                          | 0.00492%                                                 | 0.00058%                                                 |
|                    |              |                                                                                                      | Propan-2-ol                                                                                        | 67-63-0                             | 0.00389%                                                 | 0.00046%                                                 |
|                    |              |                                                                                                      | Urea                                                                                               | 57-13-6                             | 0.0035%                                                  | 0.00041%                                                 |
|                    |              |                                                                                                      | Silicon Dioxide                                                                                    | 7631-86-9                           | 0.00254%                                                 | 0.0003%                                                  |
|                    |              |                                                                                                      | Heavy aromatic naphtha                                                                             | 64742-94-5                          | 0.00216%                                                 | 0.00026%                                                 |
|                    |              |                                                                                                      | Fatty acid, tall-oil reaction products with acetophenone                                           | 68188-40-9                          | 0.00113%                                                 | 0.00013%                                                 |
|                    |              |                                                                                                      | Alcohols, C12-C16, ethoxylated                                                                     | 68551-12-2                          | 0.00094%                                                 | 0.00011%                                                 |
|                    |              |                                                                                                      | Sodium sulfate                                                                                     | 7757-82-6                           | 0.00082%                                                 | 0.0001%                                                  |
|                    |              |                                                                                                      | Isodecanol w/6-7 Moles Ethylene Oxide                                                              | 26183-52-8                          | 0.00063%                                                 | 8E-05%                                                   |
|                    |              |                                                                                                      | Amines, dicoco alkylmethyl                                                                         | 61788-62-3                          | 0.00049%                                                 | 6E-05%                                                   |
|                    |              |                                                                                                      | Formaldehyde, polymer with methyloxirane, 4-nonylphenol and oxirane                                | 63428-92-2                          | 0.00046%                                                 | 5E-05%                                                   |
|                    |              |                                                                                                      | Sodium Glycolate (impurity)                                                                        | 2836-32-0                           | 0.00044%                                                 | 5E-05%                                                   |
|                    |              |                                                                                                      | Cinnamaldehyde                                                                                     | 104-55-2                            | 0.00041%                                                 | 5E-05%                                                   |
|                    |              |                                                                                                      | Naphthalene                                                                                        | 91-20-3                             | 0.00026%                                                 | 3E-05%                                                   |
|                    |              |                                                                                                      | Magnesium silicate hydrate (talc)                                                                  | 14807-96-6                          | 0.00024%                                                 | 3E-05%                                                   |
|                    |              |                                                                                                      | 2-Propenamid (impurity)                                                                            | GeOeral                             | 0.00017%                                                 | 2E-05%                                                   |
|                    |              |                                                                                                      | 1,2,4 trimethylbenzene                                                                             | 95-63-6                             | 0.00016%                                                 | 2E-05%                                                   |
|                    |              |                                                                                                      | Sodium hydroxide                                                                                   | 1310-73-2                           | 0.00015%                                                 | 2E-05%                                                   |
|                    |              |                                                                                                      | Disodium Ethylene Diamine Tetra Acetate (impurity)                                                 | 139-33-3                            | 0.00015%                                                 | 2E-05%                                                   |
|                    |              |                                                                                                      | Trisodium Ethylenediaminetetraacetate (impurity)                                                   | 150-38-9                            | 0.00015%                                                 | 2E-05%                                                   |
|                    |              |                                                                                                      | Amines, tallow alkyl, ethoxylated                                                                  | 61791-26-2                          | 0.00012%                                                 | 1E-05%                                                   |
|                    |              |                                                                                                      | poly(tetrafluoroethylene)                                                                          | 9002-84-0                           | 0.0001%                                                  | 1E-05%                                                   |
|                    |              |                                                                                                      | Trisodium nitriotriacetate (impurity)                                                              | 5064-31-3                           | 7E-05%                                                   | 1E-05%                                                   |
|                    |              |                                                                                                      | Dodecyl poly(oxyethylene) ether                                                                    | 9002-92-0                           | 5E-05%                                                   | 1E-05%                                                   |
|                    |              |                                                                                                      | Dimethyl siloxanes and silicones                                                                   | 63148-62-9                          | 5E-05%                                                   | 1E-05%                                                   |
|                    |              |                                                                                                      | 4-nonylphenol, ethoxylated                                                                         | 26027-38-3                          | 4E-05%                                                   | 1E-05%                                                   |
|                    |              |                                                                                                      | Glycols, polyethylene, monotetradecyl ether                                                        | 27306-79-2                          | 4E-05%                                                   | 1E-05%                                                   |
|                    |              |                                                                                                      | Formaldehyde, polymer with 4-(1,1-dimethylethyl)phenol, 2-methyloxirane, 4-nonylphenol and oxirane | 68188-99-8                          | 3E-05%                                                   | 1E-05%                                                   |
|                    |              |                                                                                                      | Siloxanes and silicones, dimethyl, reaction products with silica                                   | 67762-90-7                          | 1E-05%                                                   | 1E-05%                                                   |
|                    |              |                                                                                                      | Octamethylcyclotetrasiloxane                                                                       | 556-67-2                            | 1E-05%                                                   | 1E-05%                                                   |
|                    |              |                                                                                                      | Decamethyl cyclopentasiloxane                                                                      | GeOeral                             | 1E-05%                                                   | 1E-05%                                                   |
|                    |              |                                                                                                      | Dodecamethylcyclohexasiloxane                                                                      | 540-97-6                            | 1E-05%                                                   | 1E-05%                                                   |
|                    |              |                                                                                                      | Copper(II) sulfate                                                                                 | 7758-98-7                           | 1E-05%                                                   | 1E-05%                                                   |
|                    |              |                                                                                                      | Potassium hydroxide                                                                                | 1310-58-3                           | 1E-05%                                                   | 1E-05%                                                   |
|                    |              |                                                                                                      | Ethylbenzene (impurity)                                                                            | 100-41-4                            | 1E-05%                                                   | 1E-05%                                                   |
|                    |              |                                                                                                      | Acetic acid, potassium salt                                                                        | GeOeral                             | 1E-05%                                                   | 1E-05%                                                   |

☒ Proprietary Technology

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  
Date: 5/9/2017  
E-mail Address: david\_stewart@oxy.com

Printed Name: David Stewart

Title: Sr. Regulatory Advisor

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