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|--|--|---|--|--|--|--|
| Submit within 45 days of well completion   | State of New Mexico<br>Energy, Minerals and Natural Resources<br>Oil Conservation Division<br>1220 S. St Francis Dr.<br>Santa Fe, NM 87505 | Revised November 6, 2013  |  |  |  |  |
|  |  | 1. WELL API NO:<br>30-021-20598   |  |  |  |  |
|  |  | 2. Well Name:<br>STATE 2229 #361  |  |  |  |  |
|  |  | 3. Well Number:<br>361  |  |  |  |  |
| HYDRAULIC FRACTURING FLUID<br>DISCLOSURE<br><input checked="" type="checkbox"/> Original<br><input type="checkbox"/> Amendment                     |  | 4. Surface Hole Location:<br>Unit:F    Lot:F    Section:36    Township:22N    Range:29E<br>Feet from:1980    N/S Line:N<br>Feet from:1980    E/W Line:W |  |  |  |  |
|  |  | 5. Bottom Hole Location:<br>Unit:F    Lot:F    Section:36    Township:22N    Range:29E<br>Feet from:1980    N/S Line:N<br>Feet from:1980    E/W Line:W  |  |  |  |  |
|  |  | 6. latitude:    36.0952218310135    longitude:    -103.805675847968   |  |  |  |  |
|  |  | 7. County:<br>Harding   |  |  |  |  |
|  |  |   |  |  |  |  |
| 8. Operator Name and Address:<br>WHITING OIL AND GAS CORPORATION<br>400 W. Illinois<br>Midland 79701   |  | 9. OGRID:    25078  | 10. Phone Number:    432-686-6709                                  |  |  |  |
| 11. Last Fracture Date:    6/2/2014    Frac Performed by:    Schlumberger  |  | 12. Production Type:<br>C   |  |  |  |  |
| 13. Pool Code(s):<br>96010   |  | 14. Gross Fractured Interval:<br>Confidential   |  |  |  |  |
| 15. True Vertical Depth (TVD):<br>3,500 ft   |  | 16. Total Volume of Fluid Pumped:<br>11,803 gals  |  |  |  |  |
| 17. Total Volume of Re-Use Water Pumped:<br>N/A  |  | 18. Percent of Re-Use Water in Fluid Pumped:<br>Not Disclosed   |  |  |  |  |
| 19. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION:   |  |   |  |  |  |  |
| Trade Name   | Supplier   | Purpose   | Ingredients  | (CAS #) Chemical Abstract<br>Service # | Maximum Ingredient<br>Concentration in Additive (% by<br>mass) | Maximum Ingredient<br>Concentration in HF Fluid (% by<br>mass) |
| Water  | Schlumberger   | Bactericide (Myacide<br>GA25), Foaming<br>Agent, Surfactant ,<br>Breaker, Gelling<br>Agent, Scale<br>Inhibitor, Cla                                     | Water (Including Mix<br>Water Supplied by<br>Client)*              |  | 0%   | 70.69702%  |
|  |  |   | Ceramic materials and<br>wares, chemicals                          | 66402-68-4                             | 98.07204%  | 28.73803%  |
|  |  |   | Guar gum   | 9000-30-0                              | 1.12364%   | 0.032926%  |
|  |  |   | Cholinium chloride   | 67-48-1                                | 0.25296%   | 0.07412%   |
|  |  |   | Diammonium<br>peroxidisulphate                                     | 7727-54-0                              | 0.24457%   | 0.07167%   |
|  |  |   | Sodium<br>2-[2-[2-(tridecyloxy)<br>ethoxy]ethoxy]ethyl<br>sulphate | 25446-78-0                             | 0.15331%   | 0.04492%   |
|  |  |   | Propan-2-ol  | 67-63-0                                | 0.04036%   | 0.01183%   |
|  |  |   | Polyethylene glycol<br>monohexyl ether                             | 31726-34-8                             | 0.02943%   | 0.00863%   |
|  |  |   | Ethane-1,2-diol  | 107-21-1                               | 0.02449%   | 0.00718%   |
|  |  |   | Vinylidene<br>chloride/methylacrylate<br>copolymer                 | 25038-72-6                             | 0.02382%   | 0.00698%   |
|  |  |   | 2-Propenoic acid,<br>polymer with sodium<br>phosphinate            | 12989-01-7                             | 0.0235%  | 0.00689%   |
|  |  |   | Glutaraldehyde   | 111-30-8                               | 0.01625%   | 0.00476%   |
|  |  |   | Sodium chloride  | 7647-14-5                              | 0.00482%   | 0.00141%   |
|  |  |   | Non-crystalline silica   | 7631-86-9                              | 0.00306%   | 0.0009%  |
|  |  |   | Calcium chloride   | 10043-52-4                             | 0.00223%   | 0.00065%   |
|  |  |   | Dicoco dimethyl<br>quaternary ammonium<br>chloride                 | 61789-77-3                             | 0.00123%   | 0.00036%   |
|  |  |   | Magnesium silicate<br>hydrate (talc)                               | 14807-96-6                             | 0.00073%   | 0.00021%   |
|  |  |   | poly<br>(tetrafluoroethylene)                                      | 9002-84-0                              | 0.00031%   | 9E-05%   |
|  |  |   | 2,2'-oxydiethanol  | 111-46-6                               | 0.00025%   | 7E-05%   |
|  |  |   | Sodium hydroxide   | 1310-73-2                              | 0.00012%   | 4E-05%   |
| 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:    Kay Maddox   |  | Title:    Regulatory Agent  |  |  |  |  |
| Date:    11/20/2014  |  |   |  |  |  |  |
| E-mail Address:    kay.maddox@whiting.com  |  |   |  |  |  |  |

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