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|--|--|---|--|-------------------------------------|--|--|--|--|--|
| 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 February 15, 2012 | | | | | | | |
| | | 1. WELL API NO: 30-015-41124 | | | | | | | |
| | | 2. Well Name: BLACK LAKE 5 PA STATE COM #001H | | | | | | | |
| | | 3. Well Number: 001H | | | | | | | |
| HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original <input type="checkbox"/> Amendment | | 4. Surface Hole Location: Unit: P Lot: P Section: 5 Township: 25S Range: 28E Feet from: 150 N/S Line: S Feet from: 330 E/W Line: E | | | | | | | |
| | | 5. Bottom Hole Location: Unit: P Lot: A Section: 5 Township: 25S Range: 28E Feet from: 337 N/S Line: N Feet from: 389 E/W Line: E | | | | | | | |
| | | 6. Latitude: 32.15235536216 Longitude: -104.102141978662 | | | | | | | |
| | | 7. County: Eddy | | | | | | | |
| | | | | | | | | | |
| 8. Operator Name and Address: MEWBOURNE OIL CO Po Box 5270 Hobbs 88241 | | 9. OGRID: 14744 | 10. Phone Number: 575-393-5905 | | | | | | |
| 11. Last Fracture Date: 9/15/2013 Frac Performed by: Halliburton | | 12. Production Type: O | | | | | | | |
| 13. Pool Code(s): 64450 | | 14. Gross Fractured Interval: 8,036 ft to 8,042 ft | | | | | | | |
| 15. True Vertical Depth (TVD): 8,039 ft | | 16. Total Volume of Fluid Pumped: 2,179,128 gals | | | | | | | |
| 17. 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% | 84.25188% | | | |
| Common White - 100 Mesh | Halliburton | Proppant | Crystalline silica, quartz | 14808-60-7 | 100% | 0.69557% | | | |
| Premium White 20/40 | Halliburton | Proppant | Crystalline silica, quartz | 14808-60-7 | 100% | 11.94207% | | | |
| CRC 20/40 | Halliburton | Proppant | Crystalline silica, quartz | 14808-60-7 | 100% | 2.68703% | | | |
| | | | Hexamethylenetetramine | 100-97-0 | 2% | 0.05374% | | | |
| OilPerm FM-7 | Halliburton | Surfactant | Phenol / formaldehyde resin | 9003-35-4 | 5% | 0.13435% | | | |
| | | | Terpenes and Terpenoids, sweet orange-oil | 68647-72-3 | 10% | 0.01472% | | | |
| | | | Terpene hydrocarbon by-products | 68956-56-9 | 5% | 0.00736% | | | |
| | | | Isopropanol | 67-63-0 | 10% | 0.01472% | | | |
| | | | Fatty acids, coco, reaction products with ethanolamine, ethoxylated | 61791-08-0 | 10% | 0.01472% | | | |
| | | | Glycerine | 56-81-5 | 5% | 0.00736% | | | |
| BC-140 X2 | Halliburton | Initiator | Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-.omega.-hydrox y- | 61827-42-7 | 10% | 0.01472% | | | |
| | | | Ethylene glycol | 107-21-1 | 30% | 0.01541% | | | |
| BE-9 | Halliburton | Biocide | Monoethanolamine borate | 26038-87-9 | 100% | 0.05135% | | | |
| FR-66 | Halliburton | Friction Reducer | Tributyl tetradecyl phosphonium chloride | 81741-28-8 | 10% | 0.00184% | | | |
| SUPERSET W | Halliburton | Activator | Hydrotreated light petroleum distillate | 64742-47-8 | 30% | 0.00839% | | | |
| OPTIFLO-HTE | Halliburton | Breaker | Methanol | 67-56-1 | 60% | 0.0274% | | | |
| | | | Ethoxylated nonylphenol | Confidential Business Information | 60% | 0.0274% | | | |
| OptiKleen-WF™ | Halliburton | Concentrate | Crystalline silica, quartz | 14808-60-7 | 30% | 0.00093% | | | |
| | | | Walnut hulls | Mixture | 100% | 0.00309% | | | |
| WG-36 GELLING AGENT Ingredients Listed Below This Line Are Part of the | Halliburton | Gelling Agent | Sodium perborate tetrahydrate | 10486-00-7 | 100% | 0.00128% | | | |
| | | | Guar gum | 9000-30-0 | 100% | 0.14085% | | | |
| | | | 2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt | 915-67-3 | 0% | 0% | | | |
| | | | Alcohols, C12-16, ethoxylated | 68551-12-2 | 0% | 0% | | | |
| | | | Ammonium chloride | 12125-02-9 | 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% | | | |
| | | | Crystalline Silica, Quartz | 14808-60-7 | 0% | 0% | | | |
| | | | Cured acrylic resin | Confidential Business Information | 0% | 0% | | | |
| | | | Cured acrylic resin | Confidential Business Information | 0% | 0% | | | |
| | | | Enzyme | Confidential Business Information | 0% | 0% | | | |
| | | | Fatty acid tall oil amide | Confidential Business Information | 0% | 0% | | | |
| | | | Oxyalkylated phenolic resin | Confidential Business Information | 0% | 0% | | | |
| | | | Oxyalkylated phenolic resin | Confidential Business Information | 0% | 0% | | | |
| | | | Polyacrylamide copolymer | Confidential Business Information | 0% | 0% | | | |
| | | | Silica gel | 112926-00-8 | 0% | 0% | | | |
| | | | Sodium chloride | 7647-14-5 | 0% | 0% | | | |
| | | | Sorbitan monooleate polyoxyethylene derivative | 9005-65-6 | 0% | 0% | | | |
| | | | Sorbitan, mono-9-octadecenoate, (Z) | 1338-43-8 | 0% | 0% | | | |
| | | | Surfactant mixture | Confidential Business Information | 0% | 0% | | | |
| | | | Surfactant mixture | Confidential Business Information | 0% | 0% | | | |
| | | | Water | 7732-18-5 | 0% | 0% | | | |
| | | | 18. 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: NM Young Title: Manager | | | | | | |
| | | | Date: 10/18/2013 | | | | | | |
| | | | E-mail Address: myoung@mewbourne.com | | | | | | |

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