| HYDRAULIC FF DISCLOSURE Soriginal Amendment | En | State of New Mexico Energy, Minerals and Natural Reso Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505 IRING FLUID | | | urces | Revised November 6, 2 | | |
|--|----------------------------|---|--|------------------------------|--|---|----------------------|--|
| | | | | | | 32.0 7. County: | 4173741 | -103.9441331 |
| | | | | | | Eddy | | |
| Operator Name and Address: MEWBOURNE OIL PO Box 5270 Hobbs 88241 | | | | | 9. OGRID: | 14744 | 10. Phone Numbe | er: 575-393-5905 |
| 11. Last Fracture Date: 8/22/2016 Frac Performed by: Halliburton | | | | | 12. Production Type: G | | | |
| 13. Pool Code(s): 72897 15. True Vertical Depth (TVD): | | | | | 14. Gross Fractured Interval: 10,458 ft to 10,519 ft 18. Total Volume of Fluid Pumped: | | | |
| 10,489 ft 17. Total Volume of Re-Use Water Pumped: | | | | | 13,518,456 gals 18. Percent of Re-Use Water in Fluid Pumped: | | | |
| N/A 19. HYDRAULIC FLUID | COMPOSITION | AND CONCENTRA | TION: | | N | ot Disclosed | | |
| Trade Name | Supplier | Purpose | Ingredients | (CAS #) Chemi Service # | cal Abstract | Maximum Ingred Concentration in mass) | | Maximum Ingredient Concentration in HF Fluid (% by mass) |
| Fresh Water BE-9 | Operator | Base Fluid Biocide | Water Listed Below | 7732-18-5 Listed Below | | 100% | | 91.484349 |
| DCA-32003 | Halliburton Halliburton | Wetting Agent | Listed Below | Listed Below | | | 0% | 09 |
| FDP-S1239-16 | Halliburton | Friction Reducer | Listed Below | Listed Below | | | 0% | 09 |
| HCL Acid | Halliburton | Base Fluid | Listed Below Listed Below | Listed Below Listed Below | | | 0% 0% | 0% |
| OptiKleen-WF(TM) SAND-COMMON WHITE - | Halliburton Halliburton | Concentrate Proppant | Listed Below Listed Below | Listed Below Listed Below | isted Below | | 0% 0% | 0% |
| 100 MESH, 3307 LB BAG SAND-PREMIUM WHITE- 40/70, BULK | Halliburton | Proppant | Listed Below | Listed Below | | | 0% | 0% |
| MSDS and Non-MSDS Ingredients are listed below the | 111 | | and the | | | | 0% | 0% |
| Ingredients | Listed Above | Listed Above | Alkylbenzene sulfonate compd. with 2-propanamine Alkylbenzene | 68584-25-8 68584-24-7 | | | 10% | 0.00384% |
| | | | sulfonate compd. with triethanolamine Benzene, C10-16 | 68648-87-3 | | | 1% | 0.000389 |
| | | | alkyl derivatives Copolymer of acrylamide and | 25085-02-3 | | | 30% | 0.02478% |
| | | | crystalline silica, quartz | 14808-60-7 | | | 100% | 8.317799 |
| | | | Ethoxyalted alcohols | | | | 5% | 0.004139 |
| | | | Ethoxylated sorbitan monostearate | | | | 5% | 0.004139 |
| | | | Hydrotreated light petroluem distillate | Proprietary | | | 30% | 0.024789 |
| | | | Hydroxyacetic acid | 79-14-1 | | | 1% | 0.00083% |
| | | | Methanol | 67-56-1 | | | 100% | 0.03841% |
| | | | HCL Acid Sobitan, mono-9- | 7647-01-0 1338-43-8 | | E | 20% 1% | 0.00975% 0.00083% |
| | | | octadecenoate, (Z) Sodium perborate | 10486-00-7 | | | 100% | 0.00921% |
| | | | tetrahydrate Tributyl tetradecyl phosphonium | 81741-28-8 | | | 10% | 0.00189% |
| | | | chloride Water | 7732-18-5 | | | 100% | 0.08001% |
| 20. I, as Operator, hereby certify the | 5.60 (5.00) | 1.000000000 | rue and complete to the best | | and belief. | | 10076 | 0.000017 |
| Date: 10/26/201 | 6 | Printed Name: Nm Young | | | | Title: Manager | | |
| Activities and activities activities and activities activities activities and activities act | newbourne.com | nd MSDS data as described | in 29 CFR 1910.1200. NMOC | D does not require | the reporting o | r disclosure of propr | ietary, trade secret | or confidential business infor |