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| Submit within 45 days of well completion | <div>State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505</div> | Revised November 6, 2013 | | | | |
| <div>HYDRAULIC FRACTURING FLUID DISCLOSURE</div> <div><input checked="" type="checkbox"/> Original</div> <div><input type="checkbox"/> Amendment</div> | | 1. WELL API NO: 30-015-42037 | | | | |
| | | 2. Well Name: WINDFOHR 4 FEDERAL #012 | | | | |
| | | 3. Well Number: 012 | | | | |
| | | 4. Surface Hole Location: Unit:O Lot:19 Section:4 Township:18S Range:27E Feet from:430 N/S Line:S Feet from:2140 E/W Line:E | | | | |
| | | 5. Bottom Hole Location: Unit:O Lot:19 Section:4 Township:18S Range:27E Feet from:430 N/S Line:S Feet from:2140 E/W Line:E | | | | |
| | | 6. Latitude: 32.7706982192462 Longitude: -104.281810538937 | | | | |
| | | 7. County: Eddy | | | | |
| 8. Operator Name and Address: LIME ROCK RESOURCES II-A, L.P. 1111 Bagby Street Suite 4600 Houston 77002 | | 9. OGRID: 277558 | 10. Phone Number: 713-292-9517 | | | |
| 11. Last Fracture Date: 4/8/2015 Frac Performed by: ELITE | | 12. Production Type: O | | | | |
| 13. Pool Code(s): 51120 | | 14. Gross Fractured Interval: 3,113 ft to 4,635 ft | | | | |
| 15. True Vertical Depth (TVD): 4,716 ft | | 16. Total Volume of Fluid Pumped: 1,174,866 gals | | | | |
| 17. Total Volume of Re-Use Water Pumped: 1,174,866 gals | | 18. Percent of Re-Use Water in Fluid Pumped: 100% | | | | |
| 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) |
| SAND | US SILICA | PROPPANT | SILICON DIOXIDE | 14808-60-7 | 100% | 9.3277% |
| HYDROCHLORIC ACID | CNR | ACIDIZING | HYDROCHLORIC ACID | 7647-01-0 | 38.8% | 0.17351% |
| 4-N-1 | CHEMPLEX | IRON CONTROL | ACETIC ACID | 64-19-7 | 80% | 0.00277% |
| | | | METHANOL | 67-56-1 | 10% | 0.00035% |
| PLEXICIDE 24L | CHEMPLEX | BIOCIDE | TETRAHYDRO-3,DIMETHYL-2H | 533-74-4 | 24% | 0.00619% |
| PLEXSLICK 957 | CHEMPLEX | FRICTION REDUCER | ALCOHOL ETHOXYLATE SURFACTANTS | TRADE SECRET | 8% | 0.00553% |
| | | | HYDROTREATED PETROLEUM DISTILLATE | 64742-47-8 | 30% | 0.02075% |
| | | | POLYACRYLAMIDE-CO-ACRYTIC ACID | 9003-06-9 | 31% | 0.02145% |
| GREENHIB 679 | CHEMPLEX | SCALE INHIBITOR | GLYCERINE | 56-81-5 | 35% | 0.01805% |
| | | | TRADE SECRET | TRADE SECRET | 35% | 0.01805% |
| SCALE SORB 3 | BAKER | SCALE INHIBITOR | DIATOMACEOUS EARTH, CALCINED | 91053-39-3 | 69% | 0.00287% |
| | | | AMINO ALKYL PHOSPHONIC ACID | TRADE SECRET | 30% | 0.00125% |
| | | | PHOSPHONIC ACID | 13598-36-2 | 1% | 4E-05% |
| | | | CRYSTALLINE SILICA | 14808-60-7 | 1% | 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: Mike Pippin | | Title: Consultant | | |
| Date: 4/19/2015 | | | | | | |
| E-mail Address: mike@pippinllc.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.