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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. 30-025-40399 | | | | |
| | | 2. Well Name: ENCORE M STATE #007 | | | | |
| | | 3. Well Number: 007 | | | | |
| HYDRAULIC FRACTURING FLUID DISCLOSURE <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment | | 4. Surface Hole Location: Unit:B Lot:B Section:19 Township:22S Range:37E Feet from:749 N/S Line:N Feet from:1610 E/W Line:E | | | | |
| | | 5. Bottom Hole Location: Unit:B Lot:B Section:19 Township:22S Range:37E Feet from:749 N/S Line:N Feet from:1610 E/W Line:E | | | | |
| | | 6. latitude: longitude: 32.3825259241842 - 103.198801607417 | | | | |
| | | 7. County: Lea | | | | |
| | | | | | | |
| 8. Operator Name and Address: QUANTUM RESOURCES MANAGEMENT, LLC 1401 McKinney St Suite 2400 Houston 77010 | | 9. OGRID: 243874 | | 10. Phone Number: 713-634-4696 | | |
| 11. Last Fracture Date: 4/16/2012 Frac Performed by: Cudd Energy Services | | 12. Production Type: O | | | | |
| 13. Pool Code(s): 6660, 19190, 62700 | | 14. Gross Fractured Interval: 5,490 ft to 6,828 ft | | | | |
| 15. True Vertical Depth (TVD): 6,890 ft | | 16. Total Volume of Fluid Pumped: 150,726 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) |
| Water | | Carrier / Base Fluid | | 7732-18-5 | 100% | 0% |
| Sand (Proppant) | | Proppant | Silicon Dioxide | 14808-60-7 | 100% | 0% |
| RCS (Proppant) | | | | | 100% | 0% |
| HydroProp (Proppant) | | | | | 100% | 0% |
| Sinterlite (Proppant) | | | | | 100% | 0% |
| | | | | | 0% | 0% |
| B-15 | Water Science Tech | Biocide | Tetrakis (hydroxymethyl) phosphonium sulfate | 55566-30-8 | 20% | 0% |
| | | | Water | 7732-18-5 | 80% | 0% |
| B-22 | Baker Hughes | Biocide | 2-Methyl-4-isothiazolin-3-one | 2682-20-4 | 5% | 0% |
| | | | Magnesium Chloride | 7786-30-3 | 10% | 0% |
| | | | Magnesium Nitrate | 10377-60-3 | 10% | 0% |
| | | | Crystalline Silica, Quartz | 14808-60-7 | 1% | 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: Celeste G Dale | | Title: Sr. Regulatory Analyst | | |
| Date: 10/8/2013 | | | | | | |
| E-mail Address: cdale@gracq.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.