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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: 30-005-21175 | | | | |
| | | 2. Well Name: MIA MICHELLE STATE #001 | | | | |
| | | 3. Well Number: 001 | | | | |
| HYDRAULIC FRACTURING FLUID DISCLOSURE <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment | | 4. Surface Hole Location: Unit:A Lot:A Section:32 Township:15S Range:30E Feet from:467 N/S Line:N Feet from:1200 E/W Line:E | | | | |
| | | 5. Bottom Hole Location: Unit:A Lot:A Section:32 Township:15S Range:30E Feet from:467 N/S Line:N Feet from:1200 E/W Line:E | | | | |
| | | 6. latitude: longitude: 32.9784976186067 - 103.942665723968 | | | | |
| | | 7. County: Chaves | | | | |
| | | | | | | |
| 8. Operator Name and Address: MACK ENERGY CORP PO Box 960 11344 Lovington Hwy Artesia 88211 | | 9. OGRID: 13837 | | 10. Phone Number: 575-748-1288 | | |
| 11. Last Fracture Date: 6/18/2012 Frac Performed by: Elite Well Service | | 12. Production Type: G | | | | |
| 13. Pool Code(s): 19150 | | 14. Gross Fractured Interval: 3,636 ft to 3,701 ft | | | | |
| 15. True Vertical Depth (TVD): 11,300 ft | | 16. Total Volume of Fluid Pumped: 1,680 bbls | | | | |
| 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) |
| Sand (Proppant) | | Proppant | Silicon Dioxide | 14808-60-7 | 100% | 14.03343% |
| RCS (Proppant) | | Proppant | Silicon Dioxide | 14808-60-7 | 100% | 2.94515% |
| Ammonium Persulfate | Chemplex, LC | Gel Breaker | Ammonium Persulfate | 7727-54-0 | 98% | 0.01026% |
| Claymax | Chemplex LC | Clay Stabalizer | Choline Choride | 67-48-1 | 62% | 0.05168% |
| | | | Water | 7732-18-5 | 38% | 0.03168% |
| Plexbor 101 | Chemplex LC | Crosslinker | Ethylene Glycol | 107-21-1 | 9.99% | 0.0094% |
| | | | Potassium Metaborate | 13709-94-9 | 30% | 0.02823% |
| | | | Potassium Hydroxide | 1310-58-3 | 5% | 0.0047% |
| | | | Water | 7732-18-5 | 75% | 0.07057% |
| Plexbreak 150 | Chemplex LC | Non-Emulsifier | Cocamide Diethanolamine Salt | 68603-42-9 | 30% | 0.0229% |
| | | | Diethanolamine | 111-42-2 | 20% | 0.01526% |
| | | | Methyl Alcohol | 67-56-1 | 50% | 0.03816% |
| | | | Trade Secret | Trade Secret | 5% | 0.00382% |
| Plexcide 24B | Chemplex LC | Non-Emulsifier | Tetrahydro-3, 5-Dimethyl-2H-1,3,5-Thiadiazine-2 Thione | 533-73-2 | 24% | 0.00712% |
| | | | Sodium Hydroxide | 1310-73-2 | 12% | 0.00356% |
| | | | Water | 7732-18-5 | 72% | 0.02136% |
| | | | Plexgel Breaker 10L | Chemplex, LC | Gel Breaker | Mannanase Enzymes |
| Sodium Chloride | 7647-14-5 | 15% | 0.00098% | | | |
| Water | 7732-18-5 | 90% | 0.00589% | | | |
| Plexset 730 | Chemplex LC | Activator | Secondary Alcohol Ethoxylate | 84133-50-6 | 60% | 0.0245% |
| | | | Methyl Alcohol | 67-56-1 | 50% | 0.02041% |
| Plexgel 907 LE | PFP Technology | Polymer | Guar Gum | 9000-30-0 | 50% | 0.2257% |
| | | | Mineral Oil | 64742-47-8 | 55% | 0.24827% |
| | | | Bentonite Clay | 14808-60-7 | 2% | 0.00903% |
| | | | Surfactant | 68439-51-0 | 2% | 0.009003% |
| 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: Deana Weaver | | Title: Production Clerk | | |
| Date: 7/12/2012 | | | | | | |
| E-mail Address: deanap@mackenergycorp.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.