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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. 30-005-64026 | | | | |
| | | 2. Well Name: ESKIMO STATE #002 | | | | |
| | | 3. Well Number: 002 | | | | |
| HYDRAULIC FRACTURING FLUID DISCLOSURE <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment | | 4. Surface Hole Location: Unit:K Lot:K Section:19 Township:15S Range:29E Feet from:1650 N/S Line:S Feet from:1650 E/W Line:W | | | | |
| | | 5. Bottom Hole Location: Unit:K Lot:K Section:19 Township:15S Range:29E Feet from:1650 N/S Line:S Feet from:1650 E/W Line:W | | | | |
| | | 6. Latitude: 32.9986802568596 Longitude: - 104.071268953194 | | | | |
| | | 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: 12/17/2012 Frac Performed by: Elite Well Services LLC | | 12. Production Type: O | | | | |
| 13. Pool Code(s): 52770 | | 14. Gross Fractured Interval: 2,953 ft to 3,230 ft | | | | |
| 15. True Vertical Depth (TVD): 3,455 ft | | 16. Total Volume of Fluid Pumped: 22,506 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) |
| Water | | Carrier Base Fluid | Water | 7732-18-5 | 100% | 95.50761% |
| Sand (Proppant) | | Proppant | Silicon Dioxide | 14808-60-7 | 100% | 3.01252% |
| Ferriplex 66 | Chemplex, LC | Iron Control | Acetic Acid | 64-19-7 | 50% | 0.00058% |
| | | | Citric Acid | 77-92-9 | 30% | 0.00035% |
| | | | Water | 7732-18-5 | 35% | 0.00041% |
| Greenhib 679 | Chemplex, LC | Scale Inhibitor | Glycerine | 56-81-5 | 35% | 0.0182% |
| | | | Trade Secret | Trade Secret | 35% | 0.0182% |
| | | | Water | 7732-18-5 | 50% | 0.02599% |
| Plexcide 24B | Chemplex, LC | Biocide | Tetrahydro-3,5-Dimethyl-2H, 1,3,5-Thiadiazine-2-Thione | 533-73-2 | 24% | 0.00609% |
| | | | Sodium Hydroxide | 1310-73-2 | 12% | 0.00305% |
| | | | Water | 7732-18-5 | 72% | 0.01828% |
| | | | Plexhib 256 | Chemplex, LC | Corrosion Inhibitor | Methyl Alcohol |
| Propargyl Alcohol | 107-19-7 | 8% | | | | 3E-05% |
| Thiourea-Formaldehyde Copolymer | 68527-49-1 | 30% | | | | 0.0001% |
| Alcohol Ethoxylate Surfactants | Trade Secret | 30% | | | | 0.0001% |
| N-Olefins | Trade Secret | 10% | | | | 3E-05% |
| Plexslick 921 E | Chemplex LC | Friction Reducer | Hydrotreated Petroleum Distillate | 64742-47-8 | 30% | 0.04522% |
| | | | Polyacrylamide-Co-Acrylic Acid | 9003-06-9 | 32% | 0.04823% |
| | | | Water | 7732-18-5 | 35% | 0.05275% |
| | | | Alcohol Ethoxylate Surfactants | Trade Secret | 8% | 0.01206% |
| Plexsurf 240 E | Chemplex, LC | Surfactant | Methyl Alcohol | 67-56-1 | 20% | 4E-05% |
| | | | Alcohol Ethoxylate Surfactants | Trade Secret | 20% | 4E-05% |
| | | | Water | 7732-18-5 | 80% | 0.00016% |
| 15% Hydrochloric Acid | CNR | Acid | 36% Hydrochloric Acid | 7647-01-0 | 38% | 0.00921% |
| | | | Water | 7732-18-5 | 62% | 0.01502% |
| 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: 12/18/2012 | | | | | | |
| 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.