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| Submit within 45 days of well completion | <div>State of New Mexico</div> <div>Energy, Minerals and Natural Resources</div> <div>Oil Conservation Division</div> <div>1220 S. St Francis Dr.</div> <div>Santa Fe, NM 87505</div> | Revised November 6, 2013 | | | | |
| | | 1. WELL API NO. 30-025-41499 | | | | |
| | | 2. Well Name: DEEP JACK #001 | | | | |
| | | 3. Well Number: 001 | | | | |
| <div>HYDRAULIC FRACTURING FLUID DISCLOSURE</div> <div><input checked="" type="checkbox"/> Original</div> <div><input type="checkbox"/> Amendment</div> | | 4. Surface Hole Location: Unit:L Lot:L Section:17 Township:18S Range:35E Feet from:2310 N/S Line:S Feet from:990 E/W Line:W | | | | |
| | | 5. Bottom Hole Location: Unit:L Lot:L Section:17 Township:18S Range:35E Feet from:2310 N/S Line:S Feet from:990 E/W Line:W | | | | |
| | | 6. latitude: longitude: 32.7469193074516 - 103.485092858229 | | | | |
| | | 7. County: Lea | | | | |
| | | | | | | |
| 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: 3/27/2014 Frac Performed by: Elite Well Services | | 12. Production Type: O | | | | |
| 13. Pool Code(s): 97930 | | 14. Gross Fractured Interval: 8,828 ft to 8,915 ft | | | | |
| 15. True Vertical Depth (TVD): 9,454 ft | | 16. Total Volume of Fluid Pumped: 1,284,906 gals | | | | |
| 17. Total Volume of Re-Use Water Pumped: N/A | | 18. Percent of Re-Use Water in Fluid Pumped: Not Disclosed | | | | |
| 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) |
| Water | | Carrier/Base Fluid | Water | 7732-18-5 | 100% | 95.52881% |
| Sand (Proppant) | US Silica | Proppant | Silica Substrate | 14808-60-7 | 100% | 0.45882% |
| RCS (Proppant) | Momentive | Proppant | Silica Substrate | 14808-60-7 | 100% | 3.57827% |
| Hydrochloric Acid | CNR | Acidizing | Hydrochloric Acid | 7647-01-0 | 38.8% | 0.09658% |
| Claymax | Chemplex | Clay Stabilizer | Choline Chloride | 67-48-1 | 62% | 0% |
| 4-N-1 Plus | Chemplex | Iron Control, Inhib | Acetic Acid | 64-19-7 | 80% | 0.00146% |
| | | | Methanol | 67-56-1 | 10% | 0.00018% |
| Plexcide 24L | Chemplex | Biocide | Tetrahydro-3 Dimethyl-2H | 533-74-4 | 24% | 0.00637% |
| Plexset 730 | Chemplex | Activator | Secondary Alcohol Ethoxylate | 84133-50-6 | 50% | 0% |
| Plexsurf 240 E | Chemplex | Surfactant | Methyl Alcohol | 67-56-1 | 10% | 0% |
| | | | 2-Butoxyethanol | 111-76-2 | 50% | 0% |
| Plexslick 953 | Chemplex | Friction Reducer | Alcohol Ethoxylate Surfactants | Proprietary | 8% | 0.01191% |
| | | | Hydrotreated Petroleum Distillate | 64742-47-8 | 30% | 0.04466% |
| | | | Polyacrylamide-Co-Acrylic Acid | 9003-06-9 | 31% | 0.04615% |
| AMA 398 | Chemplex | Biocide | Tetrahydro-3 Dimethyl-2H | 533-74-4 | 98% | 0% |
| Plexgel 907 LE | Chemplex | Polymer | Guar Gum | 9000-30-0 | 50% | 0% |
| | | | Mineral Oil | 64742-47-8 | 55% | 0% |
| | | | Bentonite Clay | 14808-60-7 | 2% | 0% |
| | | | Surfactant | 68439-51-0 | 2% | 0% |
| Plexbor 101 | Chemplex | Crosslinker | Ethylene Glycol | 107-21-1 | 9.99% | 0% |
| | | | Potassium Metaborate | 13709-94-9 | 30% | 0% |
| | | | Potassium Hydroxide | 1310-58-3 | 5% | 0% |
| Plexgel Breaker 10L | Chemplex | Gel Breaker | Mannanase Enzymes | Propreitary | 2% | 0% |
| | | | Sodium Chloride | 7647-14-5 | 15% | 0% |
| Sodium Persulfate | Chemplex | Gel Breaker | Sodium Persulfate | 7775-27-1 | 98% | 0% |
| Buffer 11 | Chemplex | PH Control | Potassium Hydroxide | 1310-58-3 | 23% | 0% |
| Greenhib 679 | Chemplex | Scale Inhibitor | Glycerine | 56-81-5 | 35% | 0.00278% |
| | | | Proprietary | Proprietary | 35% | 0.00278% |
| | | | Water | 7732-18-5 | 30% | 0.00239% |
| 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: Deana Weaver | | Title: Production Clerk | | |
| Date: 3/28/2014 | | | | | | |
| E-mail Address: deanap@mackenergycorp.com | | | | | | |

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