BaraShield®-664
Medium-Sized Granular Multi-Modal LCM, Mesh Size (-18/+325)

Challenge
During the drilling process, wellbore instability and lost circulation are major causes of drilling non-productive time – causing major expense for the operator. When combined with the additional cost associated with lost fluids, preventing lost circulation is crucial. Lost circulation raises significant costs and risks, including stuck pipe, formation damage and loss of well control, and threatens to pose greater challenges in the future.

Overview
Halliburton Baroid’s BaraShield®-664 lost circulation material (LCM) is designed to help prevent and remediate lost circulation by quickly sealing a wide range of fractures in permeable and impermeable formations and remediate fluid losses when utilized as a LCM pill.

With BaraShield-664 LCM, operators can reduce non-productive time with the predefined material composition in a single sack and increase wellbore stability by preventing seepage and partial fluid losses.

Operators can mitigate partial fluid loss rates with BaraShield-664 LCM as an effective continuous treatment to remediate fluid losses typically occurring in unconsolidated sand or gravel, small natural fractures, or small induced fractures. By utilizing our “STRESS-SHIELD™ Engineering Method,” determine the appropriate amount to effectively prevent fractures from further expansion before reaching the maximum sealing capacity. Manage inventory control more effectively by identifying the proper amount required for each application.

Features
• Quickly plugs fractures up to at least 1,000 microns in size
• Optimal concentration can be determined using “STRESS-SHIELD” Engineering Method”
• Added to existing fluid without altering fluid properties or particulate formulation
• Effective as continuous treatment when utilized as a LCM pill

Potential Benefits
Maintain Wellbore Stability
• Prevents fluid losses in permeable and impermeable formations

Versatile Technology
• Effective as continuous treatment and also when utilized as LCM pill

Increased Drilling Efficiency
• Reduces time and effort required to identify the proper mix and time needed to cut multiple sacks
• Identify the proper amount utilizing “STRESS-SHIELD Engineering Method”

Reduced Costs
• Lower inventory, saves rig space and reduces waste

Reduced HSE Incidents
• Less sacks to lift and cut
Applications
BaraShield-664 LCM can be utilized for seepage and partial loss prevention in aqueous and non-aqueous-based fluids without altering fluid properties. BaraShield-664 LCM is suitable for all well types in any location.