BaraShield®-663
Lost Circulation Material

Premium Fine-sized Granular Multi-modal LCM, Mesh Size (-30/+325)

CHALLENGE

During the drilling process, wellbore instability and lost circulation are major causes of drilling non-productive time – causing major expenses 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®-663 lost circulation material (LCM) is an innovative, engineered solution to effectively help prevent lost circulation by sealing fractures up to at least 500 microns in size in porous formations.

With BaraShield-663 LCM, operators can reduce non-productive time with the predefined material composition in a single sack, and increase wellbore stability. By preventing seepage and sealing small fractures as they form, this stops them from propagating. By utilizing our “STRESS-SHIELD™ Engineering Method,” determine the appropriate amount to effectively prevent fractures from further expansion.

FEATURES

» Quickly seals pores and fractures up to at least 500 microns in size
» Added to existing fluid without altering fluid properties or particulate formulation

BENEFITS

» Maintain wellbore stability
» Increased drilling efficiency
» Reduced costs
» Reduced HSE incidents

BaraShield-663 outperforms a competitor in effectively sealing pores in most scenarios.
BaraShield-663 LCM seals both pores and fractures while a competitor’s product only moderately seals pores, but not fractures. When encountering natural fractures, increasing the concentration of BaraShield-663 LCM to 40 ppb has proven to further enhance fluid loss performance. 

BaraShield-663 LCM can be utilized for seepage and partial loss prevention in aqueous and non-aqueous-based fluids without altering fluid properties. BaraShield-663 LCM is suitable for all well types in any location.

APPLICATIONS