

BridgeBlend™ lost circulation material

Custom lost-circulation material (LCM) solution

FEATURES

- Enables flexible design of service (DOS) with local materials and a faster turnaround
- Lost-circulation solution customized based on specific wellbore data
- Adaptable to a wide range of carrier fluid, such as pre-flush, spacers, and cements

BENEFITS

- Provides an effective lost-circulation solution tailored for specific loss challenges
- Easy to meet operational requirements, such as acid soluble, low-permeable LCM filter cake, etc.
- Easy to meet regulatory requirements
- Facilitates environmentally acceptable formulations
- Provides a safe LCM solution to mitigate potential bridging in the circulation loop

Overview

Lost-circulation events are one of the most common challenges to overcome in drilling and cement operations and cost the industry USD four billion annually. To recommend an effective treatment, it is important to first understand the loss challenge. Identifying factors, such as loss zone formation characteristics and depth and loss rate, are critical to tailor a treatment that can address the loss challenge.

The Halliburton BridgeBlend™ lost circulation material (LCM) solutions use engineering design algorithms to customize locally available LCMs that address lost-circulation scenarios.

Customized lost-circulation solution tailored with local materials

BridgeBlend™ LCM is a custom-tailored lost circulation solution that uses existing Halliburton products. The solution is tailored with precise design engineering tools, such as the Halliburton Lost Circulation Wizard™ software and Particle Wizard™ software. Rather than conventional LCM tables based on loss severity, these tools use parameters, such as historical loss data coupled with formation characteristics, pore throat size, porosity, estimated fracture size, carrier fluid rheology and density, and the physical properties of locally available LCM materials. This approach optimizes the BridgeBlend LCM solution to achieve the most effective lost circulation mitigation with minimal concentration and help ensure safe passage of the LCM-laden fluid through critical flow-path restrictions.

Using locally sourced LCM in the BridgeBlend LCM designs can mitigate supply chain challenges. In the event of an LCM shortage, materials comprised within the blend are easily replaced with alternates without compromise to efficiency. This enables a faster design of service (DOS), which can reduce nonproductive time (NPT).

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

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