

# BRIDGEFORM

## Improves drilling efficiency and controls subsurface losses in differentially pressured formations

### Applications

- Mature fields and sensitive reservoir formations
- High temperature wells up to and in excess of 350°F (177°C)
- Wells that exhibit narrow equivalent circulating densities or formation pressure windows

### Features and benefits

- Single-sack dry solution
  - Simplifies use and logistics
  - Tolerates extreme storage temperatures
  - Creates a smaller product footprint on the rig
- Multifunctional product
  - Increases rate of penetration (ROP) in deviated or lateral wells
  - Applicable in all drilling fluid environments
- Optimized wellbore strengthening
  - Reduces fluid invasion into the formation
  - Improves wellbore stability
  - Minimizes induced losses
- Mitigates drilling risks under extreme, overbalanced conditions

The Baker Hughes **BRIDGEFORM™ single-sack wellbore strengthening system** uses a custom-engineered formula to improve wellbore stability in differentially pressured formations. The system leverages advanced nanotechnology and is the next generation of the field-proven **MAX-BRIDGE™ advanced bridging solution**.

The BRIDGEFORM system significantly reduces induced losses and has the ability in certain applications to eliminate casing by combining two sections with different pressure profiles. The BRIDGEFORM system mitigates the risk of differential sticking while maximizing wellbore stability and enhancing rates of penetration.

The dry, single-sack BRIDGEFORM system not only eases logistics and mixing, but also improves performance and efficiency. The system is equally effective in both water-based and oil-based systems, showing minimal effect on rheology while also maintaining emulsion stability in oil-based mud (OBM) systems. Additionally, it also reduces high-pressure/high-temperature (HP/HT) fluid loss, minimizing formation damage through its “low invasion/spurt loss” mechanism.

### Intelligent Fluids Solutions

The BRIDGEFORM wellbore strengthening system is one of Baker Hughes' *Intelligent Fluids Solutions* designed to address your greatest well construction and production challenges.

### Recommended treatment

BRIDGEFORM can be applied directly to the hopper with concentrations ranging from 5.0 to 20.0 lb<sub>m</sub>/bbl (14.3 to 57.2 kg/m<sup>3</sup>) to be maintained in the system based on drilling conditions. Sweeps can be done using 30.0 to 50.0 lb<sub>m</sub>/bbl (86.0 to 143.0 kg/m<sup>3</sup>) as needed.

### Environmental information

For information concerning environmental regulations applicable to this product, contact the Health, Safety, and Environmental department of Baker Hughes.

### Shipping

Transportation of the BRIDGEFORM additive is not restricted by either international or United States regulatory agencies.

### Safe handling recommendations

Use normal precautions for employee protection when handling chemical products. See Safety Data Sheet (SDS) prior to use.

### Packaging

BRIDGEFORM system is packaged 25-lb (11.4-kg) multi-walled bags.

Typical properties	
Appearance	Gray powder
Specific gravity	1.70 to 1.72
Solubility in water	Partially soluble