

LATIBASE

Enhance effectiveness of water-based fluid properties

Applications

- Water-based drilling fluids
 - Fresh to saturated brine phase
- Vertical and directional wells up to 250°F (121°C)
- Weighted and unweighted fluids

Features and benefits

- Provides desired fluid properties at low concentrations
 - Minimizes product additions and potential nonproductive time
 - Can be quickly applied while drilling time-sensitive, large-surface sections
- Single-sack solution with small footprint
 - Lessens need for multiple products on rig site
 - Eases use and reduces logistical concerns
- Unconventional integrated formula
 - Enables standalone performance in express wells and intermediate sections
 - Provides foundation for mixing HPWBM in deeper sections

LATIBASE™ multifunctional water-based drilling fluid additive from Baker Hughes is an unconventional, integrated formula for versatile applications in water-based fluids. The LATIBASE additive was instrumentally designed as a single product to provide standalone performance in express wells and all intermediate sections with moderate complexity levels. It can also be used as the foundation for mixing high-performance, water-based mud (HPWBM) platforms for use in deeper sections and is best when used with the Baker Hughes **LATIDRILL™ high-performance, water-based drilling fluid** platform.

The LATIBASE additive provides excellent filtration and rheology properties, and in turn has the potential to displace a majority of commonly used viscosifiers and filtration control agents. Minor additions of bentonite and/or viscosifying polymer may be required for low-end rheology support. The LATIBASE additive also enhances shale inhibition, wellbore sealing, and lubricity characteristics while providing alkalinity so that alkalinity control agents can be minimized or eliminated. The LATIBASE additive also demonstrates antifoaming attributes, reducing the need for defoamers at the rig site.

Because of the low concentrations required to achieve desired properties, the LATIBASE additive has great potential to reduce logistical costs in both onshore and offshore applications. Whether drilling in the surface, intermediate, build-up, vertical, or lateral sections, the performance of the LATIBASE additive will enhance drilling efficiency, whether used as an additive or standalone product.

Recommended treatment

The LATIBASE additive should be added at a rate of 3 to 5 minutes per sack through a mixing hopper into the active mud system or through a premixed volume of mud. For optimum results, use 1.0 to 7.0 lb/bbl (2.86 to 20.0 kg/m³) in freshwater systems and 3.0 to 10.0 lb/bbl (8.6 to 28.6 kg/m³) in high salinity systems, depending on desired properties and application. For best performance, preliminary pilot tests based on the specific drilling conditions where the LATIBASE additive is to be applied are recommended.

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 LATIBASE additive is not restricted by international or USA regulatory agencies.

Safe handling

recommendations

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

Packaging

LATIBASE additive is packaged in 50-lb (22.7-kg) multi-walled bags.

Typical properties

Appearance	Light gray powder
Specific gravity	2.1
pH (10% solution)	9.0 to 9.5