

LATIDRILL

High-performance water-based drilling fluid system

Applications

- Water-based drilling fluids
- Unconventional shales
- Extended reach drilling

Features and benefits

- Enhances lubricity
 - Effective at high temperatures and pressures
 - Improves sliding
 - Minimizes torque and drag
- Prevents bit balling and accretion
 - Increases rate of penetration
- Exceptional wellbore stability
 - Suppresses clay hydration and swelling
 - Penetrates and seals microfractures
 - Maintains integrity of the wellbore
 - Lowers NPT
- Reduced costs and risk
 - Reduces environmental liability risk
 - Eliminates costs associated with disposal, transportation, and cleanup
 - Avoids HS&E issues associated with oil-based fluids

The **LATIDRILL™ high-performance water-based drilling fluid system** from Baker Hughes was developed to specifically address the technical challenges commonly encountered in unconventional shale drilling.

LATIDRILL enhances drilling of extended laterals with reduced risk. LATIDRILL enhances lubricity and increases rates of penetration (ROP) for extending the lateral section. The system is effective in high-pressure/high-temperature (HP/HT) environments, lowering the coefficient of friction, improving sliding and minimizing torque and drag. The LATIDRILL system prevents bit balling and accretion, removing cuttings from the bit surface, thereby increasing ROP.

LATIDRILL suppresses clay hydration and swelling preventing breakout and sloughing. The system also penetrates and seals microfractures preventing fluid invasion into the wellbore. This combined approach prevents hole enlargement and stabilizes the borehole maintaining the overall integrity of the wellbore and minimizing issues associated with nonproductive time.

Baker Hughes is committed to providing environmentally compliant, high performance drilling fluids which reduce the risk of environmental liability. LATIDRILL eliminates costs associated with disposal, transportation and cleanup and avoids HS&E issues associated with oil-based fluids.

Typical components of LATIDRILL system

Product Name	Description
LATIBASE™	Single sack, multifunctional, water-based drilling fluid additive
LATIMAGIC™	Wellbore stabilizer and lubricant
LATIRATE™	Rate of penetration (ROP) enhancer and lubricant

Additional information describing recommended treatment, environmental information, safe handling recommendations, packaging description, and typical physical properties is available for each product.