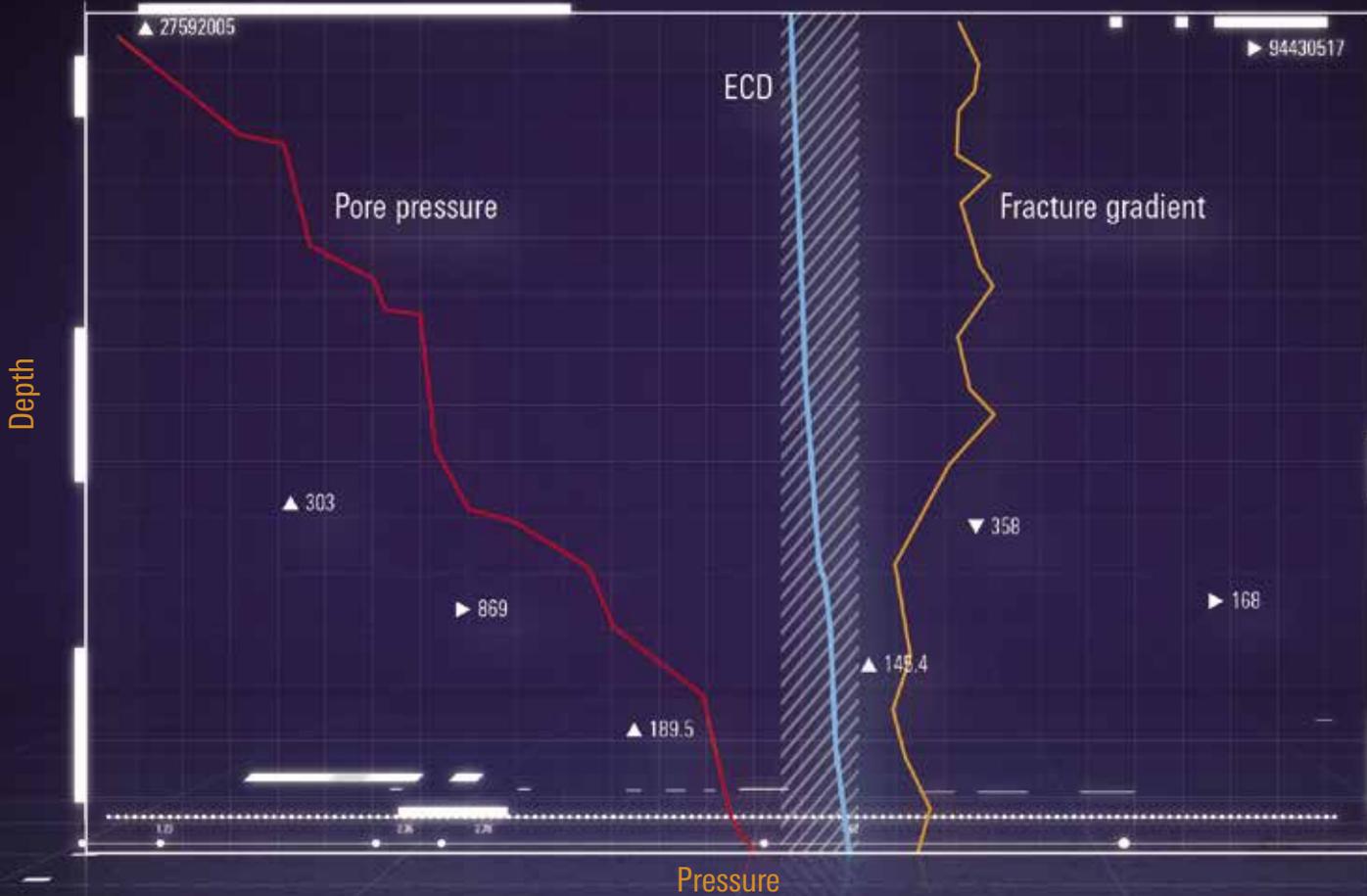


RheGuard

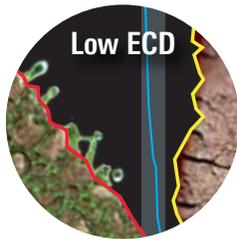
Flat rheology drilling fluid system



The RheGuard system can eliminate logistical complications and costs when drilling narrow hydraulic windows.

RheGuard

Flat rheology fluid system optimizes ECD, lowers barite sag, reduces losses, and improves ROP.



The RheGuard* flat rheology drilling fluid system delivers the consistently lower ECD and sag potential required for intricate intervals drilled in deepwater and other complex wells.



And this innovative single-fluid solution improves ROP, enables trouble-free pipe running, as well as high-integrity casing and liner cementing while minimizing losses.



A unique emulsifier package enables reliable operation in a range of downhole conditions and can be designed for stability in temperatures up to 325 degF [163 degC].

Advanced fluid solution for the most challenging offshore environments.

The RheGuard system is designed with an enhanced emulsifier and suspension package to achieve higher densities with a thin rheological profile. It provides the added option of higher flow rates and subsequent higher ROP while drilling to total depth, reducing losses, increasing tripping speeds, and ensuring high-integrity cementing of casing strings.

The RheGuard system is our innovative, cost-effective answer to challenging wells and has proven itself on numerous wells in the Gulf of Mexico and Norway.

Applications

- Hydraulic windows too narrow for conventional systems
- High-angle wells with a known risk of barite sag
- Intervals where high losses when running and cementing casing or liners results in poor cement integrity
- Higher ROP due to wider hydraulic windows
- High mud-weight intervals that require thin rheological profiles
- Complex offshore wells that must reach TD faster and economically

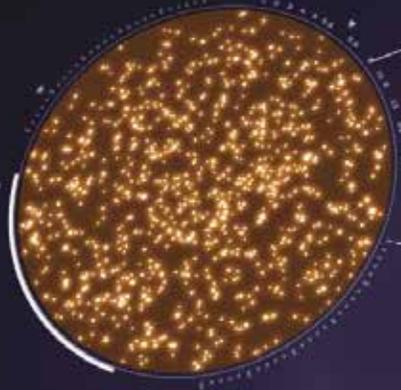


Improve overall drilling performance with flat rheology.

Sag stability is particularly important when drilling critical wells with small hydraulic windows and the RheGuard system meets the challenge of being rheologically thin to maintain low ECD, but is also stable for extended periods of time when the mud is left static in the hole prior to completion. The system uses a combination of the new RheMul* flat rheology system emulsifier and high aspect ratio organophilic clays to reduce barite sag, while maintaining a flat rheology at low temperature (40 degF).

Additionally, when using the RheCon* flat rheology system conditioner, the 40 degF rheology and gels can be lowered, giving the fluid a reverse effect on the flat rheology, providing a thinner profile than the 150 degF fluid, all without diluting the system.

No Density Variations



Use the RheGuard system to optimize deepwater and other complex operations.

To discover more about our RheGuard flat rheology drilling fluid system, please visit slb.com/rheguard

