



QMAXDRILL™: High-Performance Water-Based Drilling Fluid

APPLICATIONS

Compatible with most fluid products, QMAXDRILL is used for formulating systems for drilling intermediate sections containing sensitive formations and clay containing reservoirs. QMAXDRILL is used in various water-based fluids such as:

- High-performance/clay-free polymer systems
- Bentonite-based systems
- Clear water fluids
- Compatible with most fluids products

QMAXDRILL is added and maintained at a concentration of 0.2 – 0.6 gpb (4 – 14 L/m³), depending on the degree of reactivity/clay content of the shale formation drilled, diameter of wellbore, and the rate of penetration. The available amine content in the filtrate is tested at the wellsite.

Solution for water sensitive shale formations

QMAXDRILL, a high-performance, highly inhibitive, water-based drilling fluid system, can be used in the most challenging and environmentally sensitive drilling applications, both onshore and offshore. The technology is applicable where highly-reactive formations are present, and water-based fluids are required, including troublesome shales. The formulation reduces environmental and disposal concerns that may arise with oils or elevated chlorides, nitrates, or sulfates.

The dual, chemical, and mechanical inhibition mechanisms created by the amine and the polymeric combination maximizes its performance. For specific applications, further enhancement can be achieved by the use of a proprietary glycol.

The QMAXDRILL system offers low filtration rates, a wide range of rheological properties, and enhanced lubrication. It is a cost-effective alternative to synthetic-based fluid because disposal costs are cut in half when compared with a non-aqueous system. Furthermore, the cost per barrel of the QMAXDRILL system is effective compared to other water-based fluid systems and oil-based fluids.



QMAXDRILL is custom formulated to maximize performance while protecting sensitive formations.



TYPICAL PROPERTIES

QMAXDRILL is:

- Liquid
- Clear to off-yellow
- Specific Gravity: 1.07-1.09
- pH: 6.5-7.5
- Solubility: Soluble in water

Benefits

- High-performing clay inhibitor
- Minimizes bit and BHA balling
- Enhances ROP
- Cost-effective and environmentally friendly
- Works synergistically with other clay inhibitors such as PHPA
- Maintains low LGS content in the fluid
- Prevents formation of fluid rings
- Minimizes pore pressure transmission



Safety and Handling

Avoid using strong anionic products such as thinners/dispersants to minimize the risk of amine depletion in the fluid. Maintain the fluid pH below 10.5 for maximum amine effectiveness.

Prior to using this product, refer to the safety data sheet for information on use of personal protective equipment, safe handling, storage, transport, and disposal.

QMAXDRILL is packaged in 55 gal (208 L) drums and 20 L pails.

We Deliver, No Excuses