



# WelLube®

Wellbore Dry Lubricant / Wellbore Stability / Stress Caging / Fluid Loss

"Quality products at a competitive price with service second-to-none"

WelLube® is a top-performing lubricant that works well in all drilling conditions, specifically in WBF, NAF, and Brine systems, effectively reducing friction and maintaining the right fluid properties in very long drilling sections. Its formulation remains stable even at high temperatures, up to 1112°F (600°C), making it ideal for tough drilling environments. This product also strengthens the wellbore, preventing collapses and reducing wear on equipment, which helps improve overall operational efficiency. Its unique, dense composition helps control fluid loss and maintain fluid stability. Recognized as both cost-effective and versatile, WelLube® stands out as one of the best dual-function drilling lubricants on the market.

Incorporating stress caging techniques, WelLube® significantly improves drilling safety and effectiveness, particularly in challenging conditions where maintaining the integrity of the formation is essential. Enhanced lubricity boosts mechanical efficiency and safety across complex geological formations and in deepwater drilling. As a Lubricant Torque Reducer (LTR) and Loss Intervention Material (LIM), WelLube® also adheres to strict environmental and ESG standards, demonstrating WelDril Products®' dedication to innovative and precise fluid management solutions.

Note from lab: Many fatty acid-based liquid lubricants are highly incompatible with modern day water-based drilling fluids. WelLube will not "grease out" or precipitate in the presence of moderate to high levels of calcium.

#### Performance Benefits:

- Reduces friction by 40% in NAF fluids and in water-based fluids (WBF) during lab testing, using an 80/20 oil/water ratio. When mixed, the product has an oil-wet appearance, which enhances the slickness of your filter cake.
- WelLube may contribute to seepage control and wellbore strengthening.
- Compatible with diverse drilling fluid systems and oil insoluble.
- Integrates with standard rig mixing.
- Optimizes BHA mobility by minimizing torque and drag.
- Uses optimized concentrations without affecting fluid density.
- Minimal rheological impact, maintaining fluid properties.

#### APPLICATIONS:

- Lowers torque and drag in extended laterals.
- Forms a strong filter-cake for wellbore stability.
- Limits fluid losses by removing saturated cuttings.
- Enhances stress caging for optimal well integrity.

#### PHYSICAL PROPERTIES:

- Black Powery Appearance.
- Specific Gravity - 1.30 g/cm<sup>3</sup>.
- Absolute Density - 80 lbs./ft<sup>3</sup>.
- PSD Range - 45µm to 120µm.
- PSD Average - 75µm.
- 50# sacks 50 per pallet.
- UV Shrink Wrapped.
- Temperature Rating: 1,112°F (600°C).

#### COST BENEFITS:

- Inexpensive packaging.
- Extended shelf life.
- Competitive pricing.
- One renowned product.

#### CUSTOMER SERVICE BENEFITS:

- Exemplary products and services.
- Deliveries on Trucking Availability.
- Special and Extra Larger orders are ready for shipment in 24 to 48 hours.

#### AVAILABLE PRODUCT INFORMATION:

- Product SDS and General Recommendation.
- Custom Recommendations and Procedures upon request.



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