

# RAPID SLIDE

## Oil-base-mud lubricant

### ADVANTAGES

- Effective, all-purpose lubricant for all invert-emulsion fluids
- Decreases coefficient of friction, thereby helping reduce torque and drag
- Reduces the potential for and the severity of differential sticking

### LIMITATIONS

- Can increase viscosity of NAF with a high solids content

RAPID SLIDE\* lubricant additive is a blend of fatty esters designed to reduce the coefficient of friction in synthetic- and oil-based fluids over a wide range of temperatures.

Decreasing the coefficient of friction reduces torque, drag, and the potential of differential sticking in the wellbore.

### Typical Physical Properties

|                     |                         |
|---------------------|-------------------------|
| Physical appearance | Dark brown              |
| Odor                | Characteristic          |
| Solubility in water | Partly soluble in water |
| Specific gravity    | 0.93                    |
| Flash point, C.O.C  | >390 degF [198 degC]    |

### Applications

RAPID SLIDE lubricant additive optimizes the performance of non-aqueous fluids (NAF) used on ERD wells, or wells with complex trajectories that otherwise would be difficult to drill without exceeding the torque and drag limits of the rig. The lubricant also is recommended for slim-hole (either TTRD or coiled tubing) applications to increase the effective weight-on-bit (WOB) and deliver higher penetration rates, which often are critical considerations for the economic success of slim-hole projects.

RAPID SLIDE additive should be added at 1% to 3% concentration by volume depending on the severity of the problem. At 1% by volume, it has the least impact on rheology and can provide a 40% reduction in torque. Care should be taken when adding higher concentrations of the lubricant to NAF with high solids content as an increase of viscosity can occur. Pilot testing is strongly recommended to determine any effects on the rheological properties for initial and all subsequent treatments.

The lubricant should be added slowly, directly to the circulating system by maintaining a small constant stream wherever there is good agitation or through the mixing hopper.

### Toxicity and Handling

Bioassay information is available upon request.

Handle as an industrial chemical, wearing protective equipment and observing the precautions described in the Material Safety Data Sheet (MSDS).

### Packaging and Storage

RAPID SLIDE additive is available in 208 l (55 gal) drums.

Store away from sources of heat or ignition. Keep container closed all the time. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping, and/or stacking.