

## DRILL BOSS

Drilling fluid additive

### BENEFITS

- Very versatile, fulfils many functions
- Yields rapidly. Easily handled liquid
- High-activity formulation is very cost-effective
- Dispersion formulation greatly reduces undesirable phase separation
- Can be used for oil, gas, water and mineral drilling

### DESCRIPTION

DRILL BOSS is a synthetic, high-molecular weight, anionic, acrylamide-based copolymer.

DRILL BOSS is supplied as a high-activity, water-free dispersion of polymer in a low-toxicity mineral oil. Being water-free, the product is not subject to premature activation inside the pail, drum or bulk container. It also has excellent freeze-thaw stability.

DRILL BOSS has improved long-term stability that virtually negates any undesirable phase separation, making long-term storage possible.

DRILL BOSS is a very cost-effective viscosifier for low salinity clear-water drilling operations. Its shear-thinning properties ensure maximum power at the bit under high shear and excellent carrying capacity under low shear, yet allows easy solids removal in the mud pits.

### APPLICATION

**VISCOSITY** - DRILL BOSS is a very cost-effective viscosifier for low salinity clear-water drilling operations. Its shear-thinning properties ensure maximum power at the bit under high shear, and excellent carrying capacity under low shear, yet allows easy solids removal in the mud pits.

**SHALE STABILISATION / INHIBITION** - DRILL BOSS can be used alone or in conjunction with KCl to stabilise active shales. DRILL BOSS encapsulates reactive shale platelets by forming a protective layer on the well bore and around drilled cuttings, decreasing the shale's tendency to absorb water, swell and slough-off.

**FOAM STABILISATION** - The long chain polymer structure of DRILL BOSS aids foam drilling by creating tighter, stronger foam, enhancing cuttings removal and reducing water requirements. DRILL BOSS is compatible with all common foamers.

**FLOW LINE FLOCCULANT** - The flocculation and removal of drill solids can be economically achieved by the addition of small doses of DRILL BOSS. The polymer is added at the flow line to promote solids settlement in the mud pit or at a point just prior to mechanical separation equipment, e.g. the centrifuge, shale shaker, etc.

**FRICITION REDUCTION AND LUBRICATION** - DRILL BOSS'S shear-thinning properties reduce power losses at points of high shear, especially at the drill bit and other restrictions such as the pump discharge, drill collars, etc. The polymer structure also helps reduce turbulence, thereby reducing erosion and wash-outs in weak structures.

### HEALTH, SAFETY, ENVIRONMENT AND THE COMMUNITY (HSEC)

RST strives, through a process of continuous improvement, to fully integrate health, safety, environmental and community (HSEC) consciousness into all aspects of its activities

*For more information and/or to obtain the Material Safety Data Sheet please contact RST.*