

# HYDRO SURF

## PRODUCT DESCRIPTION

HYDROSURF is a liquid blend of surfactants and shale stabilizers designed to increase ROP in the lateral section of the well. Developed for use in clear brine fluids, HYDROSURF significantly increases ROP by increasing hole cleaning, and preventing the formation of cuttings beds caused by agglomeration.

HYDROSURF works synergistically with organic lubricants utilized in the mud system, by preventing and removing lube buildup on the drilled cuttings and wellbore. HYDROSURF can also be used as a wellbore cleanup flush prior to cementing to remove built up sludge and organics from the wellbore.

HYDROSURF is compatible with most clear brine fluids. Treatment levels for sweeps range from 1% - 3% by volume, while typical system treatments range from 0.25 - 1.5% by volume. Pilot testing is recommended prior to field application. Avoid simultaneous mixing of dry products into the mud while adding HYDROSURF.

## PRIMARY APPLICATIONS

- ✓ Promotes hole cleaning by coating the drilled solids and preventing them from sticking to each other
- ✓ Protects shale formations from hydration and destabilization
- ✓ Thermally stable to >500°F
- ✓ Compatible with divalent brines

## PHYSICAL PROPERTIES

- ✓ Appearance: Clear colorless fluid
- ✓ Specific Gravity: 60°F: 0.9479
- ✓ Viscosity, CPS @ 24°C: 24
- ✓ Thermal Stability: >500°F
- ✓ Flash Point: 120°F
- ✓ Odor: Mild
- ✓ Shelf Life: 2 years

## PACKAGING

- ✓ HYDROSURF is available in 55 gallon drums and 330-gallon totes



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