RIG OIL sales & services

INFORMATION

POLY-SLICK

COPOLYMER BEAD LUBRICANT

DESCRIPTION

POLY-SLICK is especially designed for use as a lubricity agent in high angle hole directional drilling. In the past many materials have been added to the drilling fluid to reduce wear on the drill pipe and to increase rotary speeds via torque reduction. Materials like glass beads, ground teflon and nut plug have been used with some success. However, these materials are either very expensive, or in the case of nut plug, contribute to solids buildup in the mud system.

POLY-SLICK is an inexpensive blend of sized poly materials of high strength and controlled particle size. When added to a mud system, the mud temperature greatly reduces the surface tension of the particles, providing extreme lubricity to the drill string on contact against the well bore. Its typical properties are:

Specific Gravity	1.15
Bulk Density	29 lb/cu ft
Melt Point (In Aqueous media)	500° F (260° C)

Mesh Size: A.S.T.M. 100% (wt) minus 12 mesh: 60% (wt) minus 20 mesh.

BENEFITS AND RECOMMENDED TREATMENT

For reduction of torque and drag on high angle hole drilling 2-6 ppb of POLY-SLICK is recommended. POLY-SLICK virtually eliminates the chances of differential pressure sticking by keeping the drill string from becoming embedded in the wall cake by holding the pipe away from the wall cake and, providing firm high lubricity between the drill string and well bore.

Although used mainly for reduction of torque and drag and to prevent differential sticking, POLY-SLICK provides inherent protection from loss of circulation. It can be used as is or in combination with materials such as Mesuco-Fiber or Mica, or as a substitute for nut shells (Mesuco-Plug).

PACKAGING

POLY-SLICK is packaged in 50 lb multi-wall bags, in 75 lb multi-wall bags, and in 200 lb fiber drums.

POLY-SLICK is a Messina trademark