

The challenges to oil companies in the years to come will be to drill deeper, in harsher temperature environments and to drill further horizontally into producing formations. Sun Drilling Products has met this challenge by providing a high pressure and a high temperature stable lightweight (SG 1.06) nanocomposite co-polymer bead to allow the operator to succeed in these environments.

The newest technology in beads for your wells!

Tested for 1,000 hours under constant pressure and heat with no breakage or collapse.

Advantages

- ◆ Reduces torque and drag
- ◆ Reduces casing wear
- ◆ Non-abrasive
- ◆ Recoverable using Sun's recovery process
- ◆ Compatible with both oil and water base mud
- ◆ Environmentally safe
- ◆ Resistance to deformation is greater than 26,000 psi hydrostatic, thermally stable in down hole drilling environments

Physical Properties

- ◆ Form: Spherical solid bead
- ◆ Color/Size: Black, 30/80 mesh
- ◆ Specific gravity: 1.06
- ◆ Thermally stable: >450°F Bottom hole temperatures

Application

- ◆ Concentrations of 2 – 8 ppb (5.71 – 22.87 Kg/m³) or as the well bore dictates is normally sufficient to control torque and drag
- ◆ Concentrations of 8 – 12 ppb (22.87 – 34.31 Kg/m³) will be sufficient for spotting in logging, liners and running casing
- ◆ **LUBRAMAX™ BEADS** can easily be added through the mud-mixing hopper

Packaging

- ◆ **LUBRAMAX™ BEADS** are available in 50 lbs (22.6 Kg) sacks, 48 or 50 sacks per pallet, 2000 lb. super-sacks

Typical Uses for LUBRAMAX™ BEADS®

- ◆ Aids in directional changes or sliding
- ◆ Aids in prevention of sticking of liners or casing
- ◆ Additional mechanical lubrication for all muds
- ◆ Allows more true weight to bit
- ◆ Spot in hole prior to logging operations
- ◆ Spot in key seats, dog legs, etc. to reduce torque, drag, and sticking problems
- ◆ Apply **LUBRAMAX™ BEADS® 30/80** for torque and drag in coil tubing operations or with work strings



Sun ... The HOLE Solution Company

713-690-3939

www.sundrilling.com