

LUBRA-GLIDE "Z" CO-POLYMER BEADS®

THE BEAD MADE EXCLUSIVELY FOR HIGH PRESSURE & HIGH TEMPERATURES!

The next generation of beads for problem wells.

- ◆ Will not break downhole!
- ◆ Will not melt downhole!
- ◆ Limited supply



Advantages

- ◆ Reduces torque and drag
- ◆ Reduces casing wear
- ◆ Is non-abrasive
- ◆ Is recoverable using Sun's patented process
- ◆ Is thermally stable up to 700°F
- ◆ Is compatible with both oil and water base mud
- ◆ Is environmentally safe
- ◆ Resistance to deformation is greater than 30,000 psi hydrostatic, thermally stable down hole to 700°F in a drilling environment

Physical Properties

- ◆ Form: Spherical Solid Bead
- ◆ Color: Black
- ◆ Specific gravity: 1.06

Application

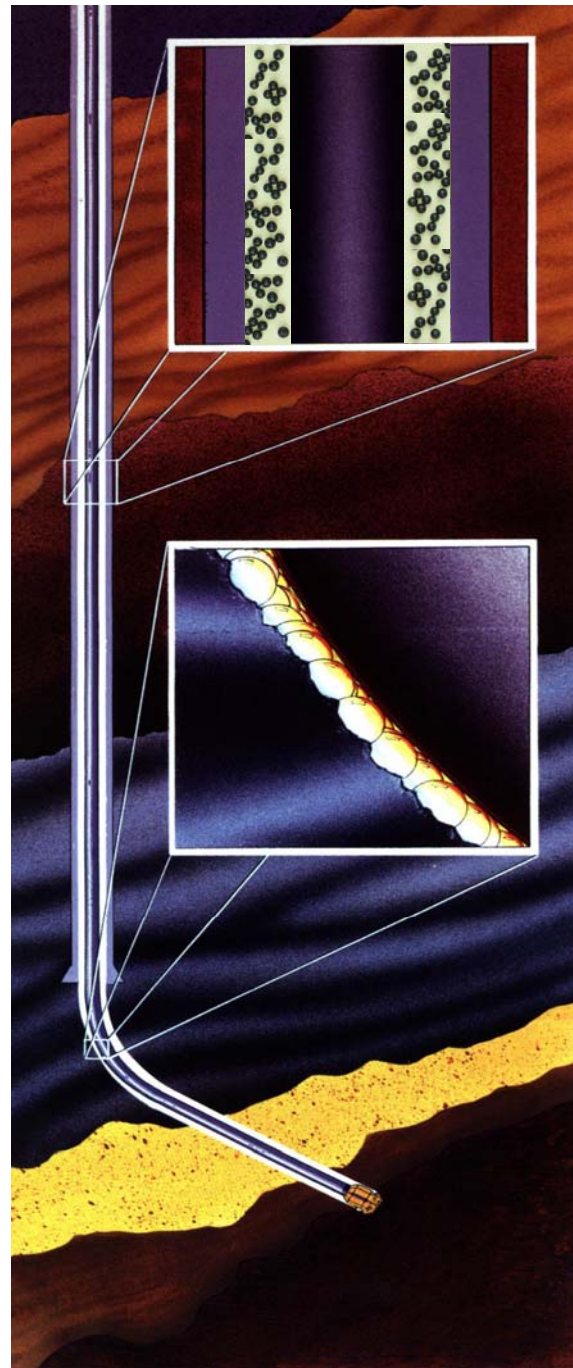
- ◆ Concentrations of 2 – 8 ppb (5.71 – 22.87 Kg/m³) will be sufficient to control torque and drag
- ◆ Concentrations of 8 –12 ppb (22.87 – 34.31 Kg/m³) will be sufficient for spotting in wire-line operations and running casing
- ◆ LUBRA-GLIDE "Z" CO-POLYMER BEADS® (coarse and fine) should mix through the mud-mixing hopper

Packaging

- ◆ LUBRA-GLIDE "Z" CO-POLYMER BEADS® is available in 50 lbs (22.6 Kg) sacks, 48 or 50 sacks per pallet

Typical Uses for LUBRA-GLIDE "Z" CO-POLYMER BEADS®

- ◆ Spot in hole prior to running casing or liners
- ◆ Spot in hole prior to logging operations
- ◆ Allows more true weight to bit
- ◆ Spot in key seats to reduce torque, drag, and sticking problems
- ◆ Apply LUBRA-GLIDE "Z" CO-POLYMER BEADS® fine beads for torque and drag in coil tubing operations or with work strings
- ◆ Lubricant for OBM or SBM
- ◆ Aids in prevention of differential sticking when using OBM or SBM
- ◆ Aids in directional changes or sliding



Sun ... The HOLE Solution Company

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