

**SUN'S LUBRA-GLIDE®**  
**BEAD RECOVERY UNIT TECHNOLOGY**



**SUCCESSFUL HORIZONTAL PROJECTS WORLD WIDE!**

SUN'S LUBRA-GLIDE® COPOLYMER BEAD RECOVERY UNIT (BRU) has been utilized effectively in thousands of wells around the world. The LUBRA-GLIDE® BEAD RECOVERY UNIT was developed by SUN and is a patented process of recovering LUBRA-GLIDE® copolymer beads for use in drilling and completion fluids.

The process is simple and efficient. LUBRA-GLIDE® copolymer beads and cuttings are removed by the rig shaker and washed down into the recovery tank. The turbulent water action within the recovery tank serves to separate LUBRA-GLIDE® copolymer beads from the cuttings. Upon separation, the cuttings settle quickly to the bottom and are transported across our high-speed cuttings shaker screens. The finer solids and LUBRA-GLIDE® copolymer beads are then pumped to one (1) or two (2) hydro cyclone manifolds mounted atop our high-speed cuttings shaker equipped with 150 to 250 mesh screens.

The LUBRA-GLIDE® BEADS (with a specific gravity of ~1.06, virtually equal to that of water) is forced upward through the hydro cyclone overflow while the unwanted solids travel downward for discharge. At this point the final recovery step takes place. The bead carrying fluid discharged through the hydro cyclone overflow is directed by hose across our recovery shaker. This shaker is equipped with 150-200 mesh screens. This final separation of LUBRA-GLIDE® copolymer beads from the fluid assures re-introduction of clean beads into the circulation system via the rig suction pit. The fluid is then returned to its original point, the recovery tank keeping the fluid in its own "closed loop" system.

This recovery process allows for 90% - 95% of the LUBRA-GLIDE® to be recovered. This continuous re-introduction of LUBRA-GLIDE® into the drilling and/or coil tubing fluid creates a constant free flowing concentration of beads working downhole to effectively reduce torque and drag conditions.

Advantages

- ◆ Closed loop system and environmentally safe
- ◆ Reduces torque and drag in drilling operations
- ◆ Provides non-abrasive mechanical lubrication
- ◆ Reduces drill pipe damage and casing wear
- ◆ Reduces drag while running casing
- ◆ 90+% effective in recovery
- ◆ Compatible with all muds
- ◆ Successful lateral lengths >25,000 feet



Enhancing Your Value Horizons

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