

LRST

Long reach setting tool

APPLICATIONS

- Horizontal wells
- Well applications requiring rotation when running in hole
- Operations requiring pushing and pulling the liner to reach target depth
- Well applications requiring a hydraulic setting and release mechanism

FEATURES & BENEFITS

- Minimize completion time by rotating the liner when running in hole
- Reduces risk of pulling liner out of well and saves associated time and costs with secondary-release option
- Clutch design to transmit torque to the liner
- Hydraulic pusher sleeve to hang and pack off tool
- Setting tool that accepts inner circulation string
- Backup mechanical release to ensure liner release (¼ left-hand turn)

Description

The Long Reach Setting Tool (LRST) is used exclusively to run liner systems that use the Long Reach Liner Packer (LRP). The setting tool includes a collet-type hydraulic release liner deployment and release mechanism, as well as a pusher sleeve to pack off the LRP. No rotation is required to release the LRST from the liner, making it suitable for horizontal and high-inclination wells.

The LRST allows the Long Reach Liner system to be pushed, pulled, and rotated to achieve target depth. An internal bypass feature reduces formation surge pressures and allows faster running speeds. The LRST also features a backup mechanical-release mechanism (option) that reduces the risk of not being able to release the LRST from the liner. The mechanical release is achieved by a one-quarter turn to the left.

Operation

The packer is conveyed with the LRST. Utilizing a ball drop, dart, or another plugging system, pressure is applied to the work string; the packer is hydraulically set, and hydraulically disconnects from the LRST.

A positive pressure indication is relayed on surface, and the setting tool is straight pulled from the liner packer, back to surface. No work string manipulation is required.

LRST - LONG REACH SETTING TOOL SPECIFICATIONS

Size

in [mm]

4,500 x 7,000 [114.3 x 177.8]

5,000 x 7,000 [127.0 x 177.8]

5,500 x 8,625 [139.7 x 219.1]

7,000 x 9,625 [177.8 x 244.5]

9,625 x 11,750 [244.5 x 298.5]



STEELHAUS

