X-Trieve™ HP (HHH and HHS) Retrievable Packers

**FEATURES**

» Propped element package
» Barrel slip
» Casing-compliant, metal-to-metal backup shoes with 360° casing wall contact for element containment and reliability
» Slips located below element package for protection from debris
» No mandrel movement operation
» Premium metallurgy and elastomers
» Anti-reset (HHS packer)

**BENEFITS**

» No milling required for retrieval
» Suitable for unsupported casing
» Non-damaging to casing
» Maximum sealing and retrieving reliability
» Designed to minimize rig time during completion and decompletion

**OVERVIEW**

The X-Trieve™ HP (HHH and HHS) retrievable packer is a high-pressure/high-temperature (HP/HT), retrievable, single-string hydrostatic-set packer that can be run in extreme hydrostatic pressures up to 28,000 psi. The HHH packer is set interventionlessly in casing to divert casing-to-tubing flow. This packer contains a hydrostatic-setting feature that allows the packer to be set using available well hydrostatic pressure. Once set, a barrel slip secures the packer against well pressures from above and below. Internal slips system maintains the packer in the set position. Once this packer is run and set, it is released and retrieved by a straight upward pull with the HRB retrieving tool.

The packer is deployed on tubing using regular completion techniques. Once the production packer reaches the intended setting depth, a predetermined surface pressure is applied to increase the hydrostatic pressure at the packer. As the hydrostatic pressure approaches the packer setting pressure, the packer setting motion begins. This process is performed without well intervention or tubing plugging devices.
The X-Trieve HHS retrievable packer is a hydrostatic-set cut-to-release version of the HHH packer. It is ideal for use in complex completions that require advanced packer-setting techniques. The HHS packer eliminates the need to deploy packer setting plugs.

Once the packer is released, a snap ring engages the mandrel, locking the lower wedge in place. This helps hold the barrel slip in the retracted position.

**APPLICATIONS**

» Hot, corrosive, deep, deviated, production, or test completions with hydrostatic pressures up to 28,000 psi

» Extended reach completions where conventional intervention techniques are limited

» Completions in which milling to retrieve a permanent packer is not desired

» Wells in which minimum casing deformation or damage is desired

» Single-trip completions

» Multi-packer installations

» Liner-top installations

» Monobore completions

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com