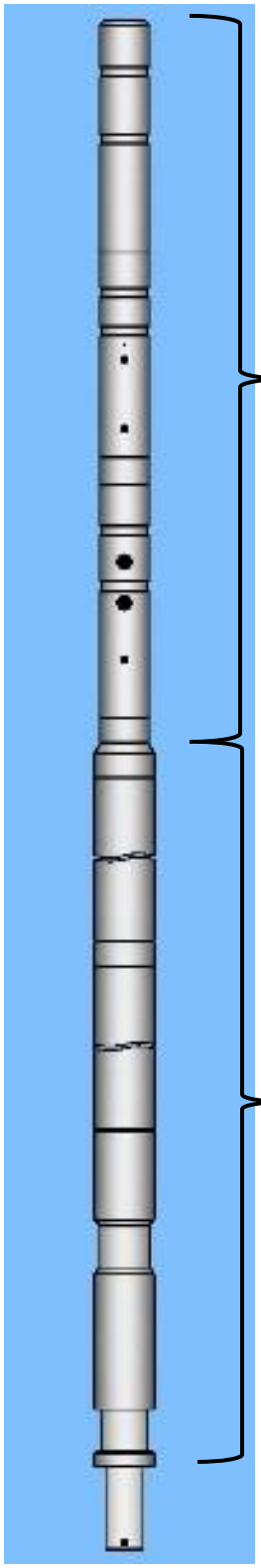
Rigless Recompletions

Non-explosive Thru-Tubing Zonal Isolations

Electromechanical NeoHST

Nonexplosive oilfield Products



Electromechanical NeoHSTs are hydrostatic driven setting tools used to effectively set the Permanent and Removable NeoPEPs (Neo Positive-sealing Elastomeric Plugs).

Electromechanical NeoHSTs function in multiple stages, with 2 stages being the standard. These multiple stages generate the force necessary to set the anchors, compress the packing element, and sever the weak point. Severing the weak point allows the NeoHST to release from the NeoPEP.

The pressure housing of the Electromechanical NeoHST houses atmospheric pressure chambers. The first and second stages utilize the bottom hole pressure applied to the lower end of the pistons working against these atmospheric chambers. The moving pistons are driven up into the chamber drawing the plug mandrel into the tool. This action causes the outer components of the plug mandrel to be compressed against the bull plug attached to the bottom of the mandrel. When the predetermined load is reached, the weak point severs, releasing the set NeoPEP from the Electromechanical NeoHST.

The Electromechanical NeoHST comes standard as a 2-stage tool. Additional stages, sold as Extra Stage Kits, are needed for lower Setting Depth Pressures.

NeoProducts provides all the non-explosive tools needed for a 1-day zonal isolation;

- Positive-sealing Elastomeric Plug (NeoPEP)
- Non-Explosive Electromechanical NeoHST
- Non-Explosive Hybrid Cement Dump Bailer System (NeoBB)
- High Shear Bond Cement Slurry Kits (17 - 20 ppg expanding NeoSuperSlurry)

Electromechanical NeoHSTs are run on wireline, slickline, tractor, coiled tubing, and threaded pipe, and can set NeoPEPs in open hole, cased hole, perforated casing intervals, and gravel packs.

Electromechanical NeoHSTs are not suitable for use in solid-bearing wellbore fluids (muds) or media intended to abate fluid loss.

Contact NeoProducts for service ratings for our Electromechanical NeoHSTs and NeoPEPs.

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