

THOR[®]

Casing Cleaning and Recovery System

The THOR[®] system is designed to perforate, clean and recover casing, all in a Single Trip. The method is based on removing friction in casing annulus to recover the casing. THOR[®] delivers a step change in performance for pulling the longest casing strings from settled barite!

The THOR System is based on the market leading Perforate and Wash technology from Archer Oiltools. The TCP gun system is unique and penetrates the first casing without harming the second casing and keeping the full integrity of this casing. The System can also be configured with a mechanical perforation tool.

Operational sequence

- RIH with BHA (this includes TCP, bi-directional circulating tool, inline spear)
- Perforate interval (drop guns optionally)
- Start clean and wash behind casing
- Engage spear and pack off to verify casing is free
- Pull free and circulating casing annulus
- Release verification spear
- Latch inline spear and pull out with the free casing section

Together with TCP products and new charge development, the THOR[®] System support safe and efficient execution of operations.

Features & benefits

- Efficient one-trip system with tubing conveyed perforation (TCP) or mechanical perforation
- Washing out barite to reduce resistance between casings
- No swarf handling
- Up to 5 days reduction in time spent = 240 ton CO2 emission saved per recovered section*

*Numbers are based on an anchored semi-submersible rig

Specifications

Casing sizes

9 5/8"
10 3/4"
13 3/8"
14"

Full THOR[®] assembly including TCP

