

Well intervention

IntelliTTCE™ service

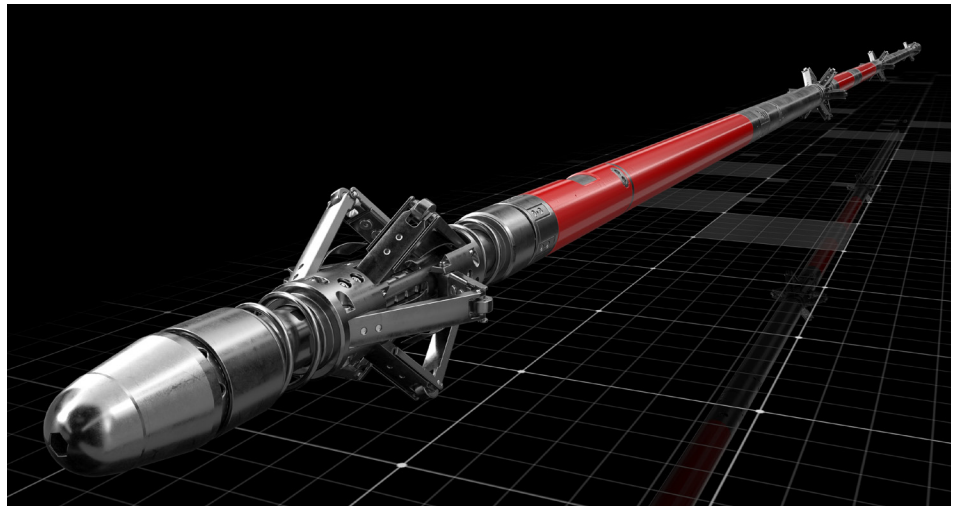
Early, high-resolution cement insight supports confident well decisions without removing tubing

FEATURES

- Dual independent methods: acoustic resonance and guided-wave propagation
- High azimuthal resolution identifies cement channels greater than 20°
- Deterministic, physics-based analysis delivers transparent and traceable results

BENEFITS

- Make informed decisions by evaluating cement condition behind casing without removing tubing
- Verify zonal isolation before committing rig time and workover resources
- Plan well interventions based on actual well conditions, not contingencies
- Adjust workover plans in real time based on accurate TOC detection

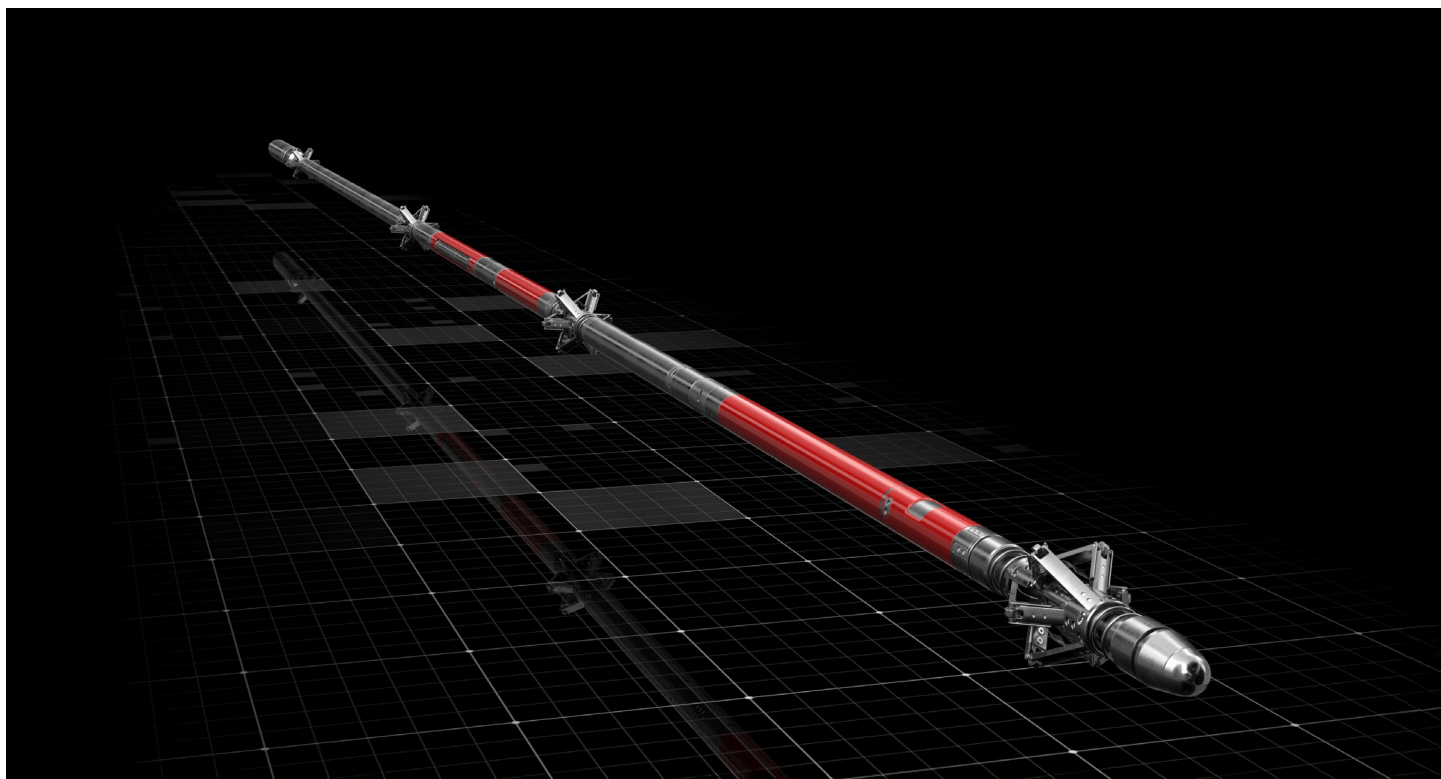


Overview

Understanding cement condition and zonal isolation is critical to confident wellbore decision-making. In many cases, however, that insight is unavailable until after significant time, cost, and operational commitment. Limited visibility behind pipe increases uncertainty, raises operational risk, and forces decisions without a complete picture.

IntelliTTCE™ service helps operators make smarter decisions earlier by delivering trusted, high-resolution insight into cement integrity through tubing without removing the completion. Designed for through-tubing cement evaluation, IntelliTTCE service provides early visibility into well conditions—including the ability to acquire data before rig mobilization—to support planning, monitoring, well integrity assessment, and intervention decisions across the well lifecycle.

In plug and abandonment (P&A) operations, early insight is especially valuable. IntelliTTCE service allows operators to verify zonal isolation before rig mobilization, plan campaigns based on actual well conditions, differentiate intervention requirements across wells, and optimize sequencing and resource allocation. This improves execution confidence and supports more efficient deployment of rig time, services, and resources.



In mature fields, where aging well conditions and incomplete data limit optimization, IntelliTTCE™ service provides the visibility required to assess well integrity, evaluate re-entry opportunities, and support life-extension strategies. Its deterministic, physics-based analysis delivers transparent and repeatable results with advanced diagnostics—allowing operators to understand not only if a cement issue exists, but where and why.

By delivering reliable, repeatable evaluation data before major operations begin—and before significant cost is committed—IntelliTTCE service reduces uncertainty, improves decision confidence, and helps operators plan earlier, decide smarter, and act with confidence.

IntelliTTCE™ service tool specifications

DESCRIPTION	DATA
Tool OD	2.25 in.
Maximum pressure	20,000 psi
Maximum temperature	350°F
Borehole fluids	Water, Oil
Recommended logging speed	10 ft/min
Conveyance	E-line monoconductor or multiconductor

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