Overview
True Flow diagnostics reveal elusive flowpaths around the entire well system, so you can get an accurate picture of where your flow is – or isn’t – going.

Understanding how fluids flow between permeable formation layers and the well completion is key to managing performance. Including those behind casing in unperforated zones, and between producing or injection layers.

True Flow gives you a detailed picture of well system dynamics, so you get the insights you need to make informed decisions and ensure you are connecting the right fluids to the right places, safely, productively and profitably.

The system approach
Much of what affects performance happens outside the wellbore, beyond the reach of conventional tools. That’s why we use diagnostic systems, not just tools.

They see more, completely and accurately, from the wellbore to the outer reaches of the well, into the reservoir.
The picture they reveal enables you to better understand what is happening and manage your well more effectively.

Our True Flow diagnostic system follows a logical workflow and is powered by four remarkable technology platforms—Chorus, Cascade, Indigo and Maxim. Each platform is charged with a specific task but works together to reveal a more complete picture of flow within your well system.

The product approach
The final link in the True Flow diagnostic system is our tailored portfolio of proprietary products.

The products are designed to address the full spectrum of well system flow challenges. True Flow products provide the in-depth answers you need to keep your well performing productively and profitably.

**True Flow Products**

- **Total Flow**
  Locates and quantifies flow in the well system

- **Dual String Flow**
  Locates and quantifies flow in a dual string completion

- **Reservoir Flow**
  Locates flow profiles behind casing at the well-to-reservoir interface

- **Fibre Flow**
  Locates and quantifies flow in a fibre optic completion

- **Wellbore Flow**
  Locates and quantifies flow in the wellbore

- **Sand Flow**
  Locates sand entry into the wellbore and provides qualitative sand count

- **Fracture Flow**
  Locates and quantifies flow before or after hydraulic fracturing

- **Reservoir Pressure**
  Quantifies formation pressure

- **Stimulate Flow**
  Locates and quantifies flow before or after stimulation

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**Technical papers**

- SPE-191011-MS: Defining Downhole Contribution/Injection Profile in Multi-Zone Completion by Temperature and Spectral Noise Logging
- SPE-191338-MS: Out of Zone Injection
- SPE-182856-MS: Formation Pressure Evaluation for producing wells without shutting down the well, using Triple Spectral Noise Logging (TSNL)
- SPWLA-2013-TTT: Complementing Production Logging with Spectral Noise Analysis to Improve Reservoir Characterisation and Surveillance