

Product True Flow

Wellbore Flow

Locates and quantifies flow in the wellbore

What it delivers

Evaluating wellbore fluids and flow is the conventional means of understanding well performance.

Wellbore Flow provides wellbore flow profiles and fluid analysis in a wide variety of flow regimes.

Delivered by our True Flow system using the Indigo (multisense) platform and the Chorus

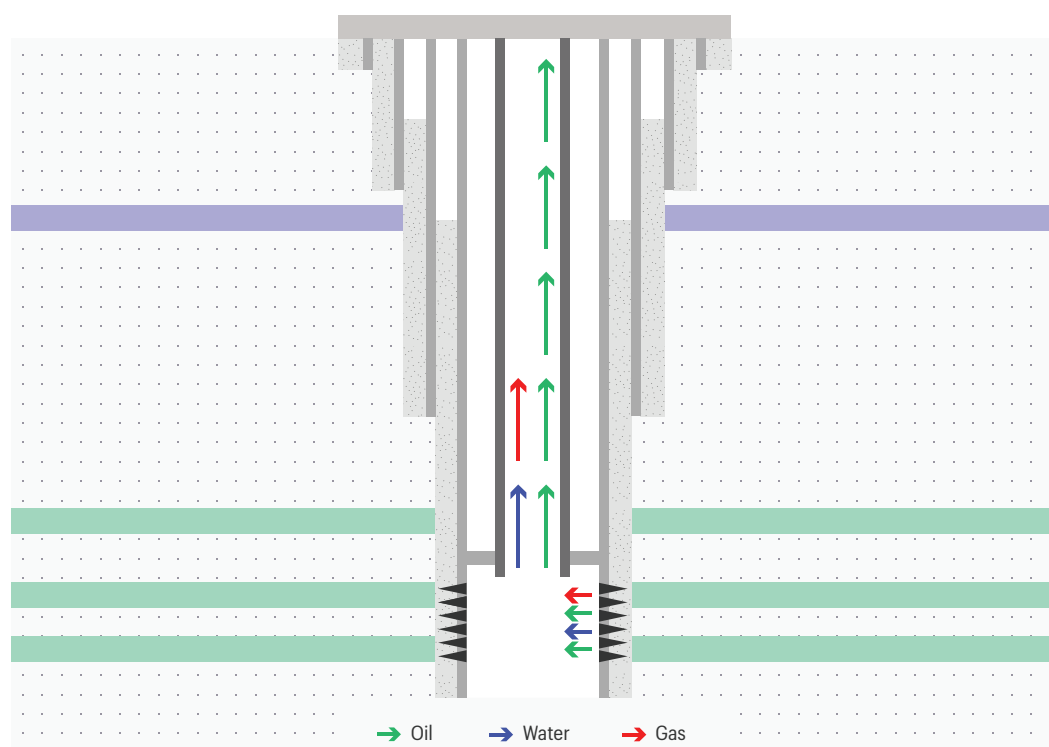
(acoustic) platform; Wellbore Flow provides the answers needed to manage well performance more effectively.

Wellbore Flow is commonly used for routine production monitoring, but it can also be used to diagnose unexpected or undesirable wellbore flow. Our Total Flow product should be used for a more complete diagnosis.



Well sketch shows a range of typical flow scenarios that Wellbore Flow can locate and quantify.

Wellbore Flow provides the clarity and insight needed to manage well system performance more effectively.



Challenges

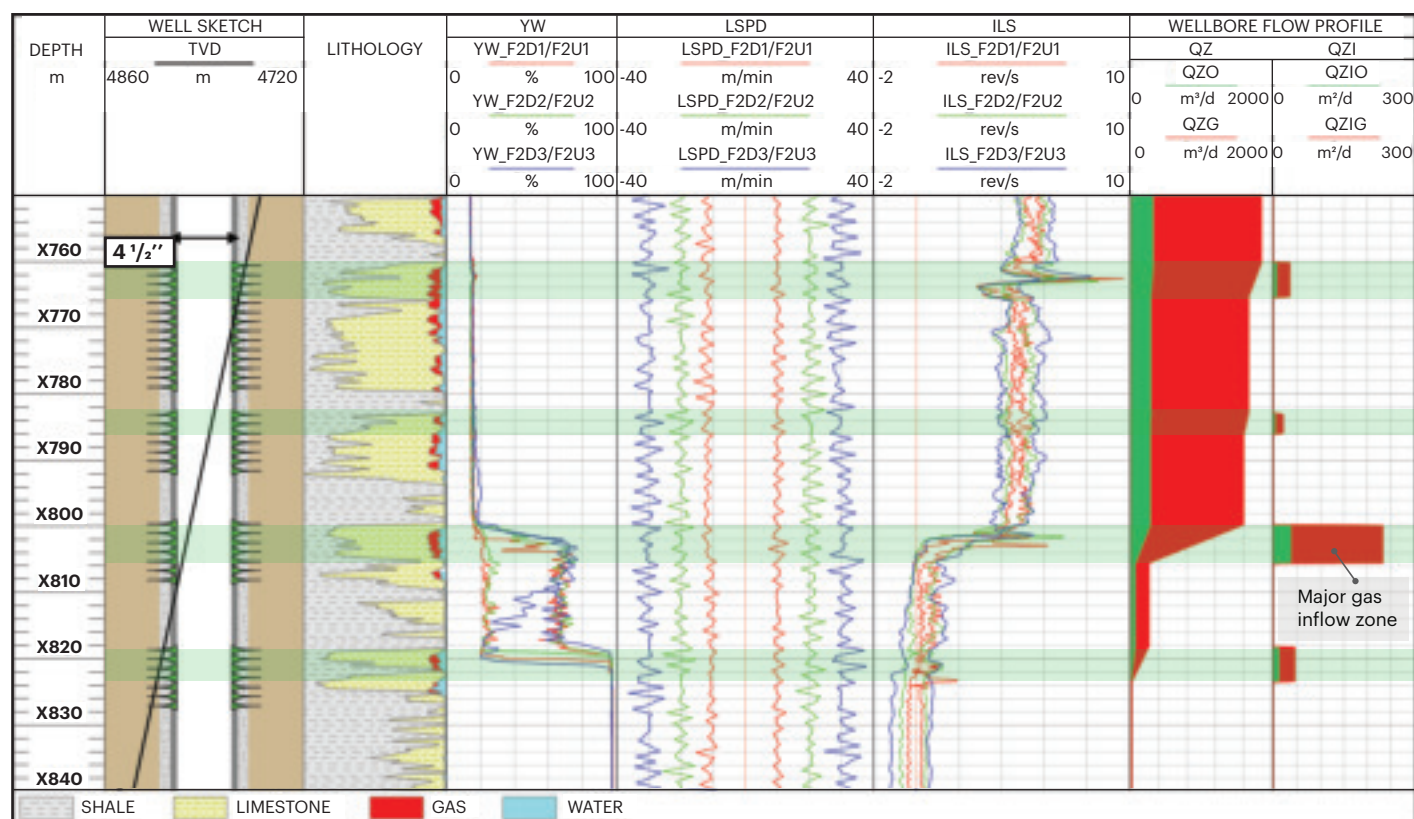
- Quantity flow profiles in the wellbore
- Unexpected production/injectivity performance
- Unexpected water or gas breakthrough to wellbore
- Suspected cross-flow in wellbore

Benefits

- Understand wellbore fluid dynamics and production profiles
- Understand performance of perforations, sliding sleeve door (SSD), inflow control device (ICD) and other completion components
- Improve well system performance

Indicative logplot for Wellbore Flow

Wellbore flow profile evaluation in vertical gas well after multistage fracturing. Calculated wellbore flow profile shows that all perforated intervals are contributing and the main gas inflow (~80%) coming from the second from the bottom perforated interval. Only half of the total perforated thickness is active.



Case studies

CS011: Quantitative flow profiling enables operator to identify individual production contributions in a multistage, gas-condensate well

Technical papers

SPE-182587-MS: The Application of Multi-Sensor Production Logging and Spectral Noise Logging Tools in Optimising Water Shut-off in a Carbonate Environment