

Product True Flow

Stimulate Flow

Locates and quantifies flow before or after stimulation

What it delivers

Acidising a well is a complex procedure that requires meticulous planning and precisely targeted resources. Operators need the right information to ensure acid stimulation delivers maximum impact with minimal risk. Stimulate Flow provides that information.

Used pre- and post-stimulation, Stimulate Flow evaluates reservoir flow performance before and after acidising, so that stimulation programs can be optimised and then assessed to evaluate impact.

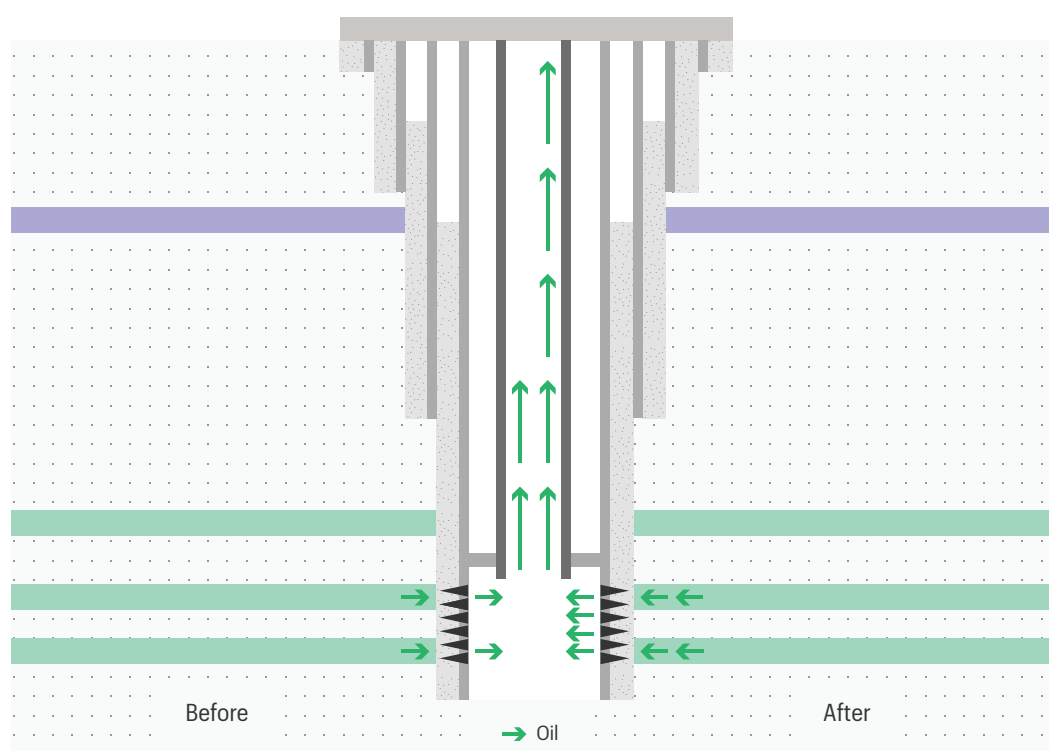
Delivered by our True Flow system using the Chorus (acoustic) platform and the Cascade (thermal) platform; Stimulate Flow provides the clarity and insight needed to manage stimulation resources more effectively.

Stimulate Flow is becoming a standard part of acid stimulation programmes as operators realise the benefits of True Flow diagnostics.



Well sketch shows a range of flow scenarios before and after stimulation that Stimulate Flow can evaluate.

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



Challenges

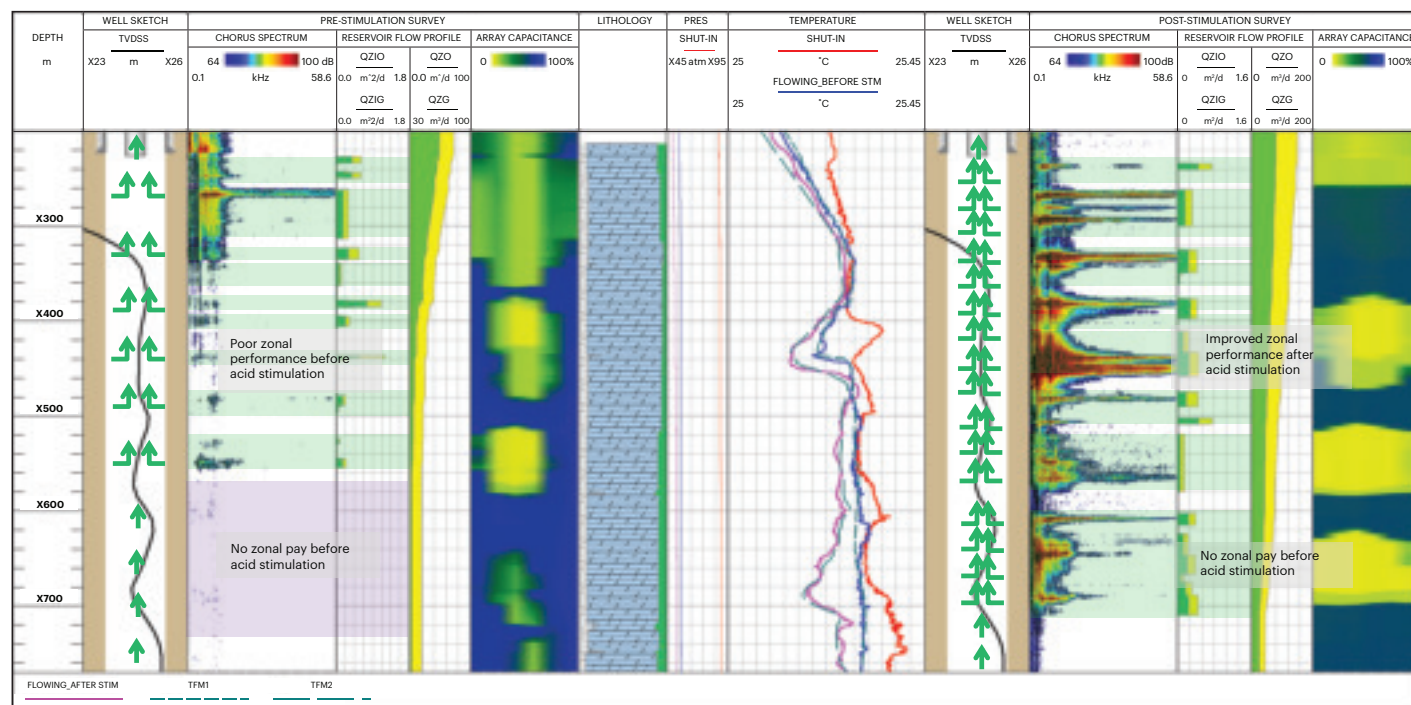
- Evaluate flow profiles in stimulated well systems
- Pre- & Post- stimulation assessment
- Optimising stimulation programme
- Unexpected post-stimulation performance
- PLT not matching expectations

Benefits

- Understand the true source of production and quantify flow profiles accurately
- Optimise stimulation programme for improved effectiveness
- Ensure zonal isolation prior to stimulation
- Evaluate effectiveness of stimulation
- Better well and reservoir management decisions, precisely targeted
- Improve well system performance and extend productive life of asset

Indicative logplot for Stimulate Flow

Pre-stimulation Chorus data revealed zones with zero contribution and poor performing zones—low amplitude zones, minor temperature deflection. Post-stimulation Chorus data shows improved performance of hill-zone—high amplitude, high frequency signals on Chorus data, clearly indicating additional pay fractures after acid stimulation.



Case studies

CS016: Operator evaluates the effectiveness of a stimulation programme in a horizontal injection well

Technical papers

SPE-191488-18RPTC-RU: Prospects for The Spectral Noise Logging Application in The Analysis Of Stimulated Reservoir Volume in Horizontal Wells With Multistage Fracturing

SPE-193407-MS: Pre-and Post Stimulation Diagnostics using Spectral Noise Logging.

SPE-187670-MS: First Rigless ICD Acid Stimulation in Horizontal Carbonate Reservoir Arising from Unique High Precision Temperature and Spectral Noise Logging, North Kuwait