

TrueTest

High-resolution formation strength test service

APPLICATIONS

Onshore and offshore formation strength test (FST) operations—leakoff tests (LOTs), extended leakoff tests (ELOTs), and formation integrity tests (FITs)

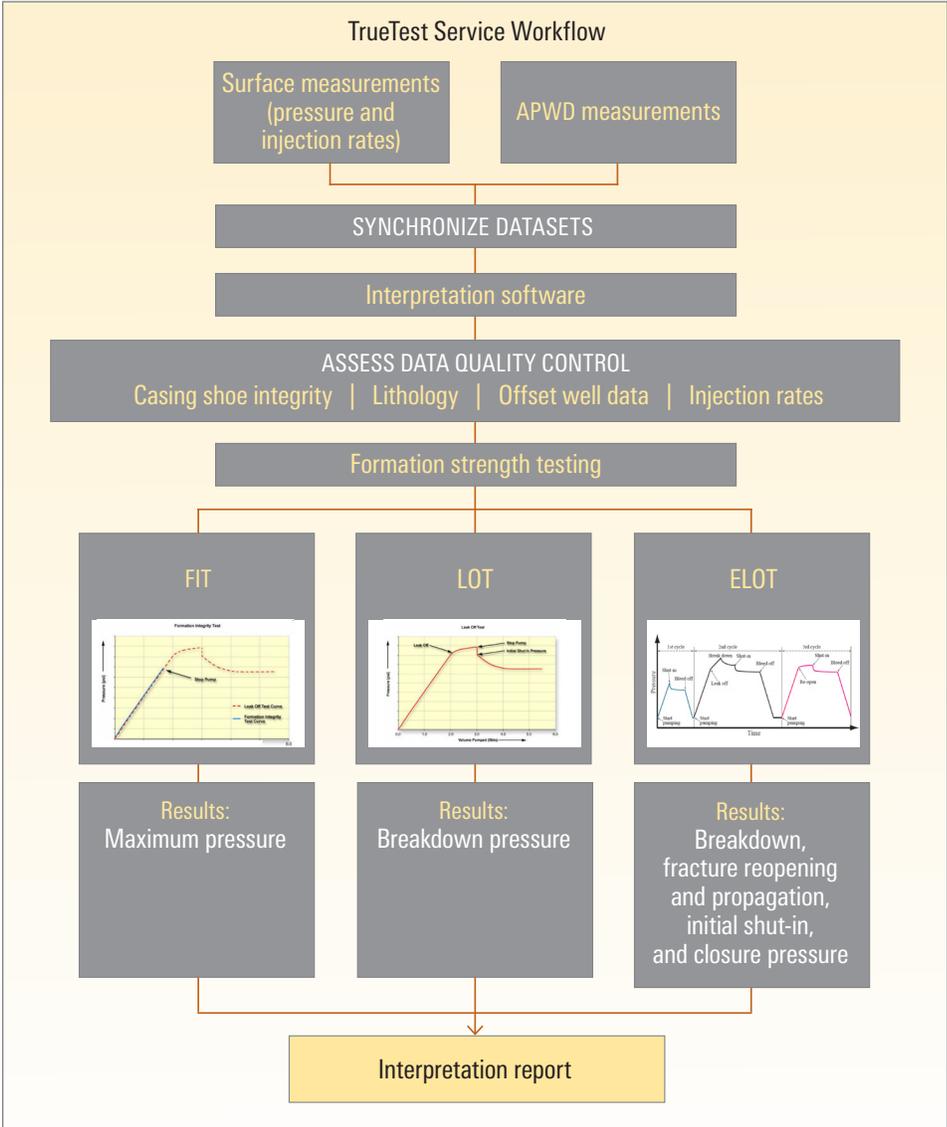
BENEFITS

- Confirm cement bond strength around the casing shoe to ensure isolation between drilled and undrilled formations
- Determine if the planned mud weight can be used
- Identify the upper limit of the safe mud-weight window
- Deduce whether subsequent hole sections can handle formation fluid or gas influx based on leakoff pressure
- Select the optimal drilling depth for the casing point
- Determine minimal horizontal stress for use in wellbore stability models
- Increase certainty of surface pressure measurements such as fluid compressibility, friction losses, and variance in mud density distribution

FEATURES

- Measures pressure profile for up to 8 continuous hours
- Updates pressure data points every 2–4 seconds
- Provides 3-psi resolution
- Transmits a typical 4-hour LOT in 4 minutes
- Delivers near-real-time FST interpretation

The TrueTest* high-resolution formation strength test service maximizes the value of FITs, LOTs, and ELOTs in two steps by providing data from when the pumps are off in real time once circulation is reestablished and expediting expert interpretation. The combination of downhole pressure data and rapid analysis of FST data enables operators to make the best-possible decisions when choosing whether to drill ahead. The service is used in the same way as traditional FSTs and analyzes data from the high-definition annular pressure-while-drilling (APWD) service when the pumps are off. The TrueTest service offers the higher level of accuracy required to revise target mud density, reevaluate well control risks, reduce wellbore stability risks for an updated geomechanics model, and increase the value of dynamic tests in managed pressure drilling. To help avoid interpretation error, TrueTest service provides clarity in a timely and concise manner.



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In the TrueTest service workflow, surface and downhole data are rapidly interpreted to identify key pressure parameters for better decision making.