

WellTest™ Pressure Transient Analysis Software

Main Features

Quick and Easy Data Entry

A comprehensive system of wizards is designed to guide the user through the appropriate steps to ensure data is entered properly and that a reliable analysis is obtained.

Pressure Transient Analysis (Conventional)

Analyze drawdown/build-up data or injection/fall-off data for gas, oil, and water wells. Use both vertical and horizontal well configurations.

Pressure Transient Analysis (Unconventional)

Analyze pressure buildup after perforating or pressure falloff following mini-frac tests.

Deliverability Forecasting

Predict the deliverability of a well based on modeling results. Generate “what-if” scenarios to determine the increase in deliverability expected from stimulation or adding compression.

Test Design

Simulate a test to determine optimal test procedure. Determine if a horizontal well should be considered as an alternative to a vertical well.

Analytical and Numerical Modeling

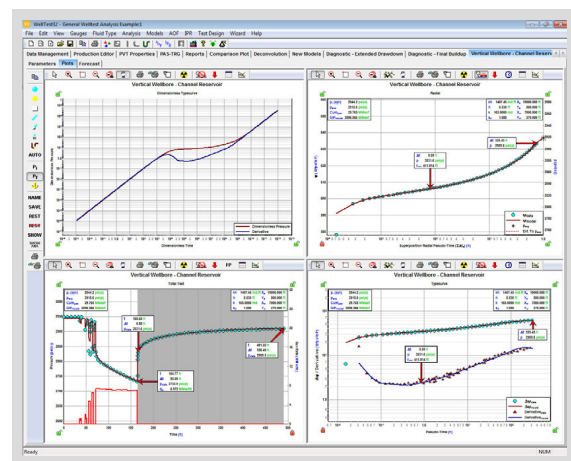
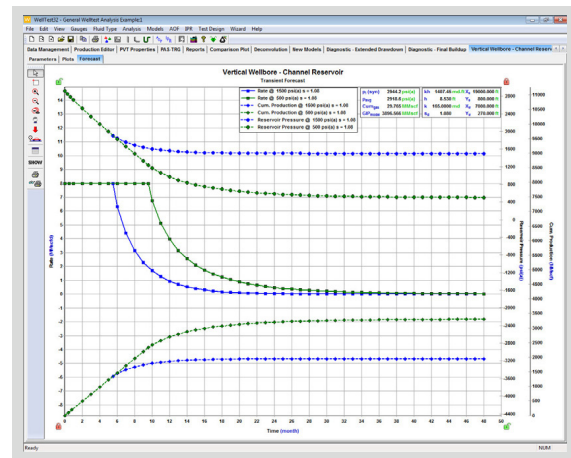
A host of analytical models are available to history match data, including models for multi-frac'd horizontal wells and for matching mini-frac after-closure data. Numerical models for handling multifrac'd wells drilled in black oil, volatile oil, and rich gas condensate reservoirs are also available.

PAS Requirements

Meets ERCB Pressure ASCII Standard (PAS) requirements for electronic test data submissions in Alberta, Canada. TRG.PAS files can be easily created, viewed, and edited.

Other

Analyze results from multi-rate tests to determine the components of the total skin factor. Establish IPR and OPR based on test results.



Sample plots generated from S&P Global Commodity Insight's WellTest.

About S&P Global Commodity Insights

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