

# WellTest - Advanced Pressure Transient Analysis

## Main Features

### Quick & 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:

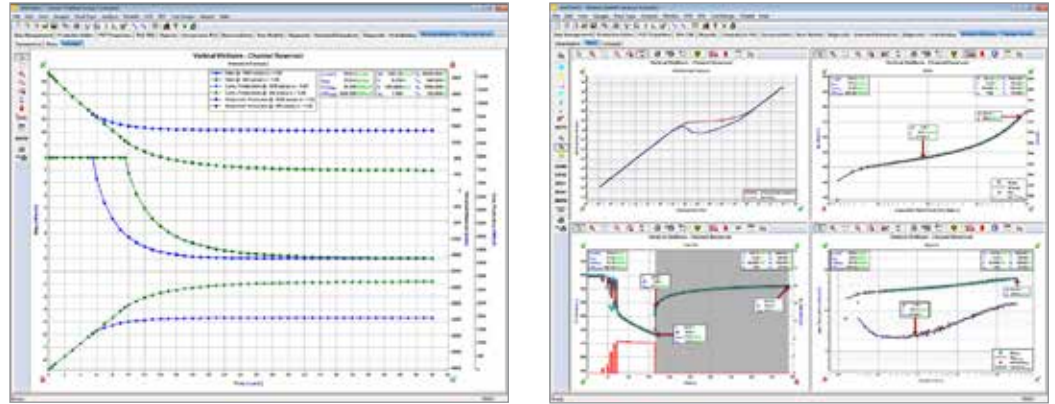
A host of analytical models are available to history match data, including models for multi-frac'd horizontal wells and for matching mini-frac after-closure data. Numerical models for handling multfrac'd wells drilled in black oil, volatile oil and rich gas condensate reservoirs are also available.

**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 IHS WellTest

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**CUSTOMER CARE AMERICAS**

**T** +1 800 447 2273  
+1 303 858-6187 (Outside US/Canada)

**CUSTOMER CARE EUROPE,  
MIDDLE EAST, AFRICA**

**T** +44 1344 328 300

**CUSTOMER CARE ASIA PACIFIC**

**T** +604 291 3600

**E** [CustomerCare@ihsmarkit.com](mailto:CustomerCare@ihsmarkit.com)

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