FloQuest 8

Production Data Visualisation & Interpretation

FloQuest incorporates a powerful portfolio of reservoir monitoring and modeling software to seamlessly integrate multiple data sources, creating highly visual outputs.

FloQuest 8 has been developed with an enhanced user friendly interface, allowing users to rapidly view and interpret integrated production data obtained from wellbore sensors.

Unique integration between Distributed Temperature Sensors (DTS), pressure sensors and other production data along with high resolution graphical content, provides users the easiest solution to monitor complex wells.

The interface allows for improved workflow, dividing data entry into 3 main sections (set-up, project building, and data analysis) with color coded status buttons quickly highlighting missing data areas.

The software allows the user to understand the well's behaviour through the wellbore being accurately defined, modelled and matched using sensors all the way from the sandface to the wellhead. It provides the easiest monitoring solution for complex wells, and features include:

– incorporation of multiple well trajectory profiles and reservoir definitions
– inversion of temperature to rate
– 2D and 3D charts
– synchronised log and completion charts
– automated depth and temperature calibration
– multiphase near-wellbore inflow modelling
– multiphase tubing modelling.

Data can be loaded to visualise both DTS and point data simultaneously where traces and gauges can be selected by simply moving the canvas view window. Multiple calibrations can be created whereby selecting the correct one to use. This allows DTS to be temperature corrected when a workover is required on the well

Features

— Powerful charting
— Fast data loading
— Easy calibration

Benefits

— Integrated wellbore modelling
— Multi-layer definitions
— Inflow control device modelling
— Suitable for multiple applications:
    — Monitor well performance
    — Well integrity issues (leak detection)
    — Flow allocation
    — Gas lift optimisation
   — Stimulation/Fracture performance
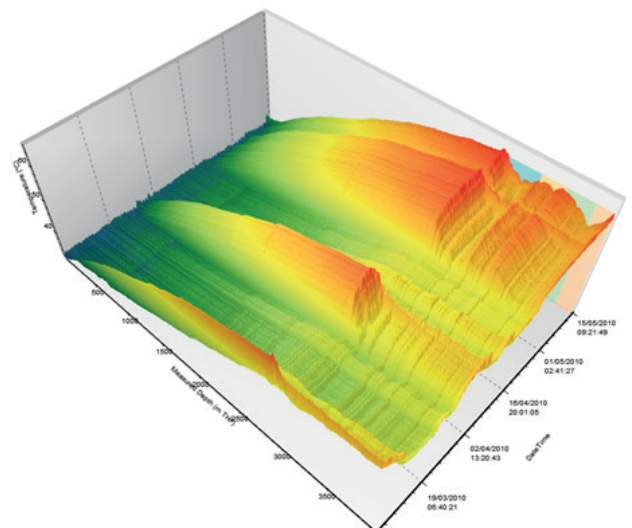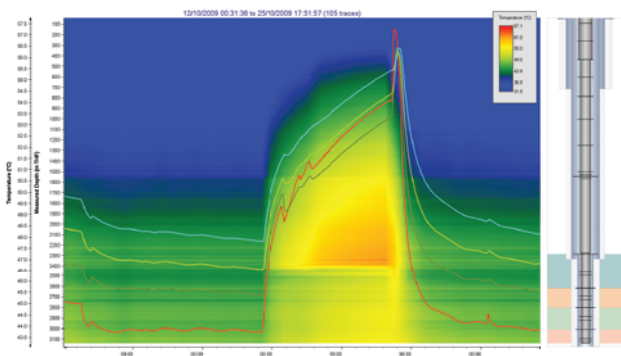
The standard Nodal Analysis (IPR/VLP) plot can be computed along with fluid pressure and temperature profiles along the complete wellbore.

Through utilizing the power of the graphics processing unit (GPU), 3D plot scans can be viewed from any user defined angle with a play-back feature. This allows the temperature data to be viewed in 'movie' mode offering a better visualisation data set.

Dynamically-generated charts can be pasted directly into Microsoft Office to add graphics to reports and enterprise integrating with historical datasets, current databases and other third party applications.

By combining multiphase modelling capabilities and powerful algorithms, FloQuest 8 allows the user to perform quantitative analysis quickly and accurately. Data gathered by the software is designed to influence decision-making with operators to improve prodBy combining multiphase
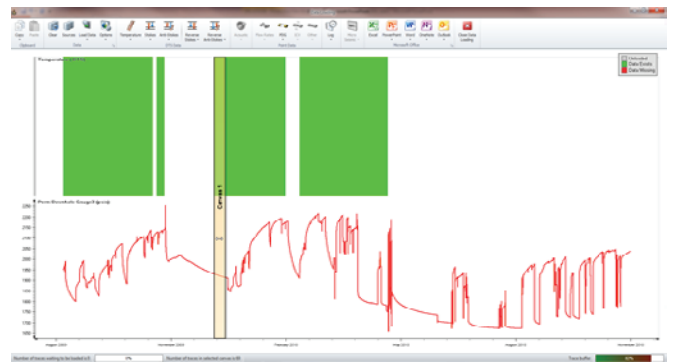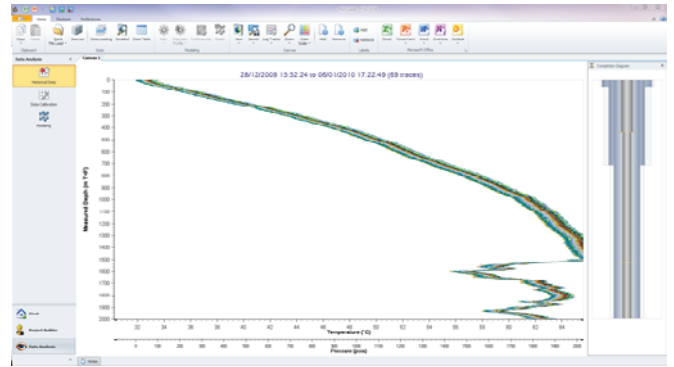
Hardware Requirements	FloQuest
CPU	2GHz Multi Core
RAM	2GB
Graphics Card	512MB
Operating System	Windows 7, Windows 8

Integrate Quest Into Your Wells

Quest software uses industry-standard communication protocols to facilitate the smoothest connection within the enterprise. It provides integration with historical datasets, current databases and other third-party applications.