

Software & Information Technology



Program Turns Wellbore Data into Vivid Images

The WellLink 3D visualization product converts wellbore data into real-time imagery to support reservoir characterization and navigation, directional drilling, well planning, and reservoir optimization. By allowing real-time well data — such as Earth models, well trajectory, logs, and reservoir models — to be viewed and analyzed within their geologic context, the software provides useful decision-support capabilities. The resulting insight enables operators to make corrections to drilling parameters and well trajectories, thereby helping to optimize wellbore placement and maximize reservoir contact. The software fosters collaboration by allowing downhole data to be integrated and viewed at the rig site as well as other locations, which helps to reduce risk during field operations.

Baker Hughes

www.bakerhughes.com

Software Upgrades Enhance High-Pressure Viscometer

This company has just released Version 2.0 of its PVT software, which is used by the VISCOlab PVT system for high-pressure and high-temperature viscosity analysis. The viscometer is used to measure viscosity in a variety of applications, including oil exploration, research, and recovery; gas and gas condensates; core analysis; phase behavior; supercritical fluids; and other complex applications. The new version of the software includes several key enhancements designed to make viscosity testing of oil, gas, and supercritical fluids easier and more efficient. Users can now save graph images in a variety of formats; use time zoom, pause, and “add comment” graph functions; and carry out graphing using added colors and additional settings.

Other features include Windows 7 (32-bit and 64-bit) and Windows XP compatibility, the flexibility to allow measurements to be displayed with an adjustable number of decimal places, an enhanced bath and pressure configuration setup command, and logging interval adjustment via the PC interface.

Cambridge Viscosity

www.cambridgeviscosity.com

Software Module Streamlines Preventive Maintenance Programs

The Pilot Maintain module is now part of the Felton Pilot MES platform. Pilot Maintain supports operator efforts to plan preventive main-

tenance programs for all devices, systems, and machines, and to carry out such a plan in a targeted way. Maintenance intervals can be set by time, production volume, or machine runtime. The ability to improve system reliability through more strategic planning and execution of upcoming and recurring maintenance and repair work can help to reduce lost production and economic losses related to unplanned downtime. The system documents data for later analysis, and allows operators to set critical threshold values of key parameters, to trigger early maintenance action.

Products4Automations

www.products4automation.com

Modeling Tools Support Scaleup and Optimization of Crystallization Processes

The gCrystal software suite’s easy-to-use, drag-and-drop graphical environment permits model-based innovation, engineering, and optimization of solution-crystallization processes, including precipitation. The program enables the creation of detailed models containing first-principles representations of the complex physics and chemistry of crystallization. The results

can be used to develop high-fidelity predictive models, which can help to optimize crystallization process design and operation, determine optimal process economics,

and manage risks associated with engineering decisions for both batch and continuous processes. These new model-based techniques enhance scaleup efforts to improve throughput and size consistency, often accompanied by energy savings. The program is suitable for use in pharmaceutical, food, chemicals, and mineral processing applications.

Process Systems Enterprise

www.psenterprise.com

