PARADIGM UNVEILS NEW SOFTWARE SUITE

Providing the best information faster

Paradigm President and CEO, John W. Gibson, Jr. will debut the Paradigm Rock & Fluid Canvas 2009_Epos 4.0 software suite at the "See More, Share More, Produce More" media event on the company's booth at 4:00 pm today.

The oil and gas industry is hyper-competitive. The need for lower operating costs and recovery rate improvements is paramount for energy companies to achieve success in today's volatile energy market. To stay competitive, they must maximize daily production of existing fields, achieve reserve replacement goals, optimize use of fixed assets and minimize environmental impact.

New efficiencies are required to meet these challenges. Oil and gas companies seek exploration and development technologies that enable their geoscientists to collaborate and leverage all available data with streamlined interoperability. Historically, data management solutions suppliers became the default suppliers of exploration, development, and production software applications. In many cases, says Paradigm, these applications have proven to be inadequate for projects with operational and technical challenges. Furthermore, their data management solutions have been slow to introduce new data models or data model extensions that better support the needs of the industry. This in turn, has eroded their capacity to deliver innovative solutions or multidisciplinary workflows to find new prospects and mitigate production decline in mature fields.

Paradigm considers leveraging and optimizing technology and data to be integral to advancing the practice of hydrocarbon detection and recovery. Geoscientists and engineers require open and scalable architecture for access to multivendor data and integrated applications. The company says its new Paradigm Rock & Fluid Canvas 2009 | Epos 4.0 software suite advances subsurface data management technology by delivering a multidisciplinary continuum of contractor-independent exploration and development solutions. Enabled by a rich and shared data model, it offers collaborative visualization canvases, scalable subsurface modeling solutions, and high performance computing configurations. Its infrastructure enables geoscientists and engineers to carry out advanced exploration, development, and production projects using a diverse set of oilfield data and applications for quality prospecting and field development.

The Rock & Fluid Canvas 2009 suite includes applications covering the continuum of E&P processes. Users can easily access and assemble data and carry out advanced exploration and development objectives requiring seismic processing and imaging, interpretation and modeling, reservoir characterization and engineering, or well planning and drilling engineering. Risks are reduced through automated processes that enable rapid, iterative, and information enriched updates. Data can be processed intuitively, progressively, and across disciplines. The new software suite enables its users to deliver fundamentals to high science workflows that provide more accurate depth positioning, prospect maps, and well plans—that is, fewer dry holes. Investment in data and technology is optimized through the Paradigm Higher Order Workflow (HOW), a collective knowledge-building process that provides a “no compromise” platform with diagnostic outcomes and deliverables.
Paradigm says that its Epos 4.0 infrastructure offers open architecture with rich data access to conduct multi-site, multisurvey, and multi-user projects. Interoperability provides a scalable solution based on a distributed data model to support enterprise exploration, development, and production activities. Data is distributed across project data stores and corporate repositories and can include client supplied or internally supplied repositories. Paradigm Epos 4.0 infrastructure delivers a full, client-server architecture with new and comprehensive interpretation and project/survey services to complement existing well log and vertical function data services. These services facilitate and stabilize the many data transactions that can take place when working with a distributed data model and provide high levels of flexibility when working with data at project level. The platform also includes infrastructure changes specifically designed to enhance seismic processing to imaging workflows, regional-to-prospect scale interpretation activities, and interpretation with modeling workflows.

Geoscientists perform workflows that routinely cross different E&P disciplines, often carried out with many products from multiple suppliers or sources. The data they require, or that is created, also originates from multiple sources. This is time consuming, and maintaining data integrity and consistency becomes extremely problematic. Paradigm says that its HOW offers a pathway to solving complex subsurface problems by providing the open and fit-for-purpose geophysical, geological, petrophysical, and engineering solutions, without compromising project timelines. These advanced, subsurface processes are carried out on a common platform using shared data models with high levels of interactivity between industry-leading software solutions. As with so many challenges, achieving competitive advantage in exploration and development is dependent upon leveraging all the available tools for providing the best information faster. For more information about the Rock & Fluid Canvas 2009_Epos 4.0 software suite, visit Paradigm at booth 700.