



Tuesday at 10:30 am

Title: **Using Predictive Modelling to Improve Forward Vision and Reduce Drilling Risks: Advanced SMART4D Geosteering and Geomodelling Software from United**

Description: SMART4D Geosteering is a unique 3D model based software that assists users in reservoir modelling, planning, and geosteering wells, all within a single technology. Two installation options, network and cloud based, offers a company the flexibility to work in a way that best suits their needs. Projects are initialized with G&G data using simple processes and resulting structure, pay maps, and cell-based models can be used to calculate HCPV, OOIP and OGIP. Models become the basis for geosteering, making SMART4D’s numerous time saving features, including WITSML connection to multiple servers, real-time web-based reports, and email alarms, crucial for operations geologists to place wells in the highest quality reservoir. StratCORR interpretation tools will be demonstrated. KPI improvements from experienced clients will be discussed in the presentation to show examples of improvements in drilling time, dog-leg severity, completions, and capital optimization. Additionally, model drainage of wells and frac shadows will be presented through SMART4D’s VSM (Volumetric Sweep Mapping) Volumetric Simulator. These evaluation studies help optimize and reduce risk on placement of newly planned wells and fracs by avoiding heritage wellbore drainage and frac shadows (SRVs) in all reservoir types.

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