

New plug-ins help derisk exploration prospects

The Play-to-Prospect Risk plug-in for the Petrel E&P software platform provided by Schlumberger is an integrated petroleum system-based assessment used to standardize the method for evaluating study areas and increase the understanding of geological scenarios to determine the probability of risk and success.

The risk assessment technology converts trap, reservoir, charge, and seal into chance maps through a suite of transform methods to determine play limits and identify area upside by calculating the mean economic case for potential field development and the probabilistic economic resource case.

Additionally, the new Prestack Seismic Interpretation plug-in for Petrel improves understanding of petroleum system elements such as charge, risk, and trap definition and complements the Play-to-Prospect Risk offering's exploration capabilities. Benefits of the WesternGeco technology include analyzing prestack gathers to interpret processing effects on post-stack data, evaluating response differences in offset traces to assess fluid effects, making on-the-fly offset stacks to create clearer partial stacks of interpretation targets, and interpreting and auto-tracking directly on prestack data for better horizon definition, the company said. *Slb.com*.