RMSWellstrat is a powerful correlation and geological interpretation tool integrated into the E&P industry’s leading 3D reservoir modelling solution, RMS™. It allows interpreters to handle complex geology and realistic well geometries in a truly 3D environment, allowing geological interpretation workflows to be dramatically shortened.

IN SUMMARY

- Fully integrated well correlation product.
- Enhanced functionalities for horizontal well log interpretation.
- Original methodology to constraint the structural framework building along highly deviated and horizontal wells.
- TVT and TST based domain projection.
- Horizontal log template display.
- Ghost curves.
- Flattening in multiple datum.
- Splitting wells by sections.
- Interactive correlation in 2D and 3D environment.

Well Correlation and Geological Interpretation

The full range of RMS workflow tools are at the geologist’s fingertips. Tight integration of the correlation tool creates a seamless interpretation workflow, and the time required to import data, analyze it and iterate through it in this workflow is considerably reduced.

RMSWellstrat provide a fully integrated correlation product which enables the user to interactively update the geological model in a more efficient way. The geologist has access to a better understanding of the reservoir through the visualisation of the well data together with the structural framework and the reservoir dataset (Figure to the right).

RMS has been designed as a truly integrated reservoir interpretation solution. No other single application brings this degree of integration across so much of the reservoir characterisation workflow. Multiple disciplines are not just using shared data but sharing a single application.

Flexibility

At any stage in the mapping and correlation workflow, you can start using RMSWellstrat. Pick data can be easily imported into RMS using a flexible import wizard, well picks from different well pick sets can be visualised in any view, existing point data can be converted to well picks and vice versa; zone logs can also be used to define well picks.

Log Template

The interpreter has full flexibility to define multiple log templates and use them in any view within RMS. A Well log template is customisable and can be composed of multiple tracks allowing the display of any type of log data such as: annotations, completion events, array logs, isochore property logs and blocked well logs.
Well Correlation

Correlation Functionalities

The RMSWellstrat provides a list of functionalities to better execute your pick interpretation. This includes ghost curve capability, easy well tops picking and editing, flattening on multiple horizons, data projection in multiple domains like TVD, TST and TVT. RMSWellstrat includes an original calculation for TVT and TST based references. A stratigraphic flattening technique is introduced using new references called TVT%-D and TST%-D to facilitate the interpretation in complex geological environments.

Horizontal Well Correlation

Horizontal wells require specific capabilities for the log visualisation and correlation. RMSWellstrat delivers state of the art functionalities to perform your interpretation in complex wellbore geometries and complex structures. Correlation view can be rotated horizontally for easier log interpretation along horizontal wells. Splitting of the wells by section help correlating information when repeat sections are identified along a well trajectory. The splitting can be based on any reference, TVD, TST or TVT.

Well Picks Calculator

A well picks calculator allows for a complete range of stratigraphic calculations to be created for many wells at one time. User defined expressions can also be applied to pick attributes. Zone average petrophysical properties are quickly calculated directly from the interpreted log data.

To learn more please visit www.roxarsoftware.com or email us on rss.marketing@emerson.com.