



## RECON to 3d Geocellular Model Workflows

**Recon Delivers unprecedented gains in efficiency and accuracy to optimize subsurface understanding and support Operational Geologist Requirements**

Geologists select RECON® in conjunction with 3d geocellular modeling software to more efficiently generate highly detailed and accurate interpretation and to test sensitivities to leverage as input to build more accurate 3d geocellular models as well as to support operational geologist workflows such as well planning and the generation of well proposal documentation.

Recon's differentiating functionality and workflows that complement 3d geocellular modeling software include:

- Interpreters see isochores immediately during interpretation
- Carbonate stratigraphy- zone mapping of evaporate thickness as a n/g property and porosity. The Automated updates of these properties are key.
- Easy and accurate horizontal well correlation, enabled by the simple fact that you can interpret in 2D and 3D and that the well is in the correct TVDSS location combined with the ability to create multiple picks for the same surface along the well path
- Very easy and fast to learn
- Section view, map view and 3D view simultaneously and updating completely
- No need to set up workflows to automate updates - it happens by default
- Searching well database in map view- search options very useful for large data sets
- Rapid scanning, orientation and QC of data and interpretation – especially beneficial for technical reviews and in data room scenarios
- Easy generation of images such as cross sections required for well planning documents and presentations

Geologists report that typically 80% of the time building geological models is spent on the manual and time intensive tasks of importing data; carrying out a QC of the input data such as wire line logs, correlating wells, building structural surfaces, checking the surfaces tie with all available data types, generating attribute grids and then if project deadlines permit testing the impact of multiple interpretation scenarios on the final results. Cascade Technology® embedded in RECON® automates these tedious manual processes. Change a pick in a well and instantly and automatically the structural surface is updated, the entire stratigraphic framework is recomputed, all of the isochores between the geologic surfaces are rebuilt and the property distribution maps are re-calculated. This delivers a step change in productivity, enabling the geologist to deliver a more thorough detailed interpretation to take into the 3d geocellular modeling applications such as GOCAD®, IRAP RMS® and Petrel®.



In addition the flexibility to read and write directly to OpenWorks<sup>®</sup>, the OpenSpirit<sup>®</sup> link and Petrel plug-in delivers quick and efficient data transfers to and from all industry standard databases and applications.

### **What our customers say:**

Here are some compelling reasons our global customers claim where Recon stands out:

- Directly linked to OpenWorks and interpretations can immediately be put into OpenWorks with a click of a button.
- Maps, cross sections, surfaces and isochores automatically updated when a new pick is made.
- Cross sections and horizon picks in 3D.
- Well log attribute slicing that can be applied to 3D structural views.
- Horizontal wells viewed accurately since cross sections in 3D and handle multiple picks for the same surface in a well.
- Dynamic cross sectioning, a single line of section is defined and scrolling is allowed through the all wells so correlations can be done very quickly.
- Proportional slicing of 3D seismic in depth for inter-well interpretation of surface
- Automatically generated seismic backdrop in 2d cross section.