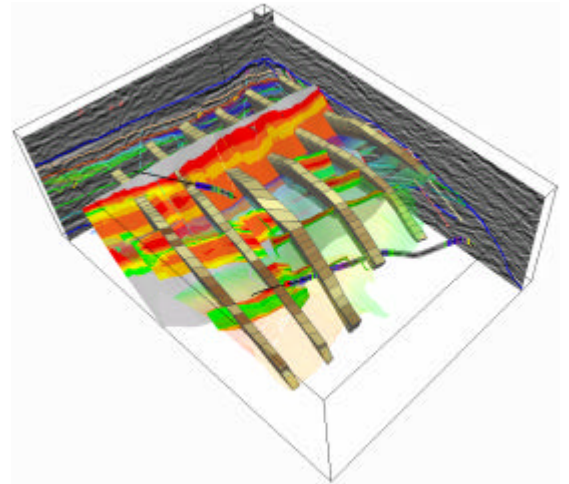


TrapTester EarthGrid . . .

Corner-point grids
in TrapTester
Fault Attributes and more



EarthGrid is a completely new infrastructure within TrapTester for import, display, analysis and export of corner-point grids, their properties and structure. New for TrapTester 5.3, the advanced features of EarthGrid means that TrapTester can now use well-based property models and volume attributes from modelling packages.

EarthGrid

The framework models generated by TrapTester provide a high-resolution realization aimed at faithfully representing the 3D geometry of the real geology as imaged by seismic data.

Typically, the most effective place to assess the geometrical impact of the faults is in the framework model but the best property information is often in the cellular model. A shortcoming of the geocellular models is that cellularization can severely degrade the quality of the structural model in terms of the numbers of faults, their shapes, locations, layer connectivity and displacement.

Cornerpoint cellular grids can now be imported directly in to TrapTester using the EarthGrid module.

The unique feature of EarthGrid is the ability to compare the high-resolution TrapTester framework model with the reservoir property model available in the modelling package.

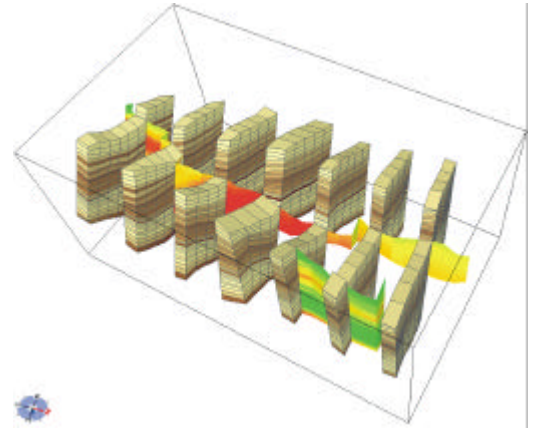
EarthGrid combines the advanced visualization tools of TrapTester with new functionality to calculate properties on the faults themselves. EarthGrid also combines with TMXmapper, another add on module to TrapTester, for calculation of Transmissibility Multipliers for export to reservoir simulators.

... Continued



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“... flexible
unique
practical”



EarthGrid features

Flexible import and export of corner point grid data files.

Powerful tools to visualize the property model, including flexible display of fault attributes and property model attributes.

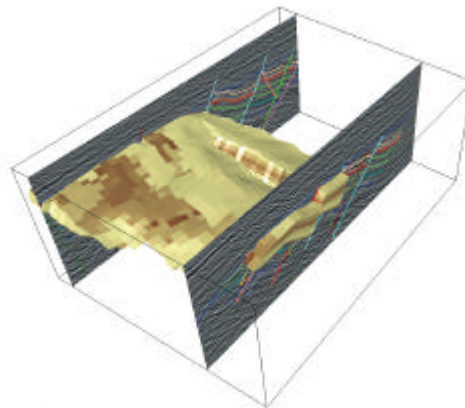
A wide range of fault attributes including displacement, stratigraphy, model properties and derived properties including Shale Gouge Ratio (SGR), and other fault seal estimators.

QC of the geocellular model is uniquely possible through direct comparison with the high resolution framework model in TrapTester.

In particular it facilitates the appraisal of framework faults in a fluid-flow context that may be missing from the corner point grid model.

Combining EarthGrid with the new TMXmapper module of TrapTester gives the complete solution to for the inclusion of transmissibility multiplier calculations in dynamic simulations. TMXmapper and EarthGrid allows export the transmissibility multiplier calculations directly back to ECLIPSE™.

EarthGrid and TMXmapper can also be used in conjunction with the new AttCalc module of TrapTester, allowing generation of completely new attribute realizations, enhancing the flexibility of the tools.



ECLIPSE is a registered trademark of Schlumberger

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