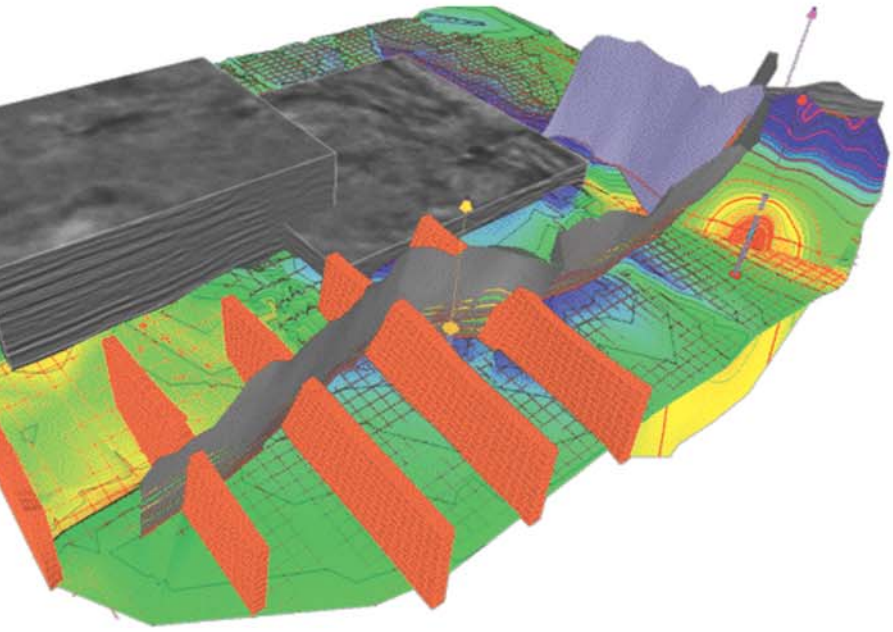
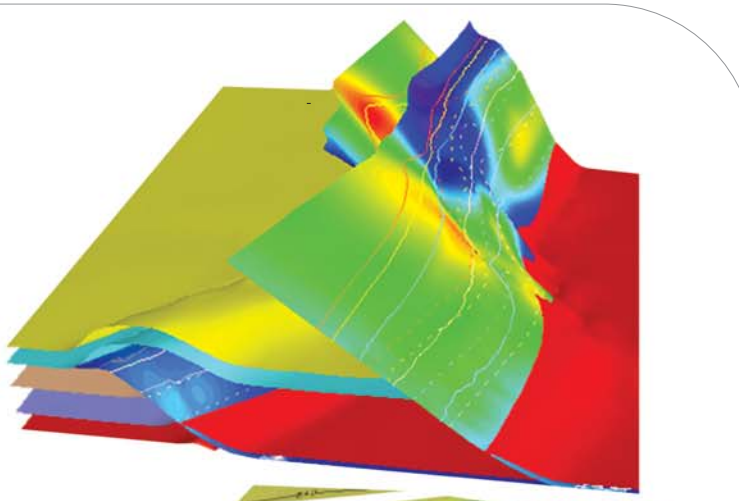
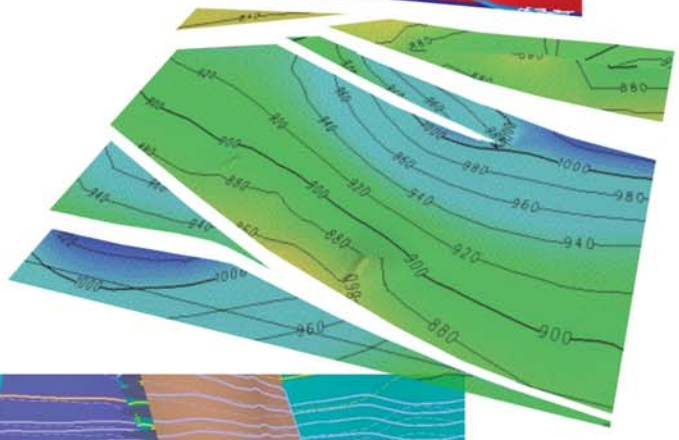
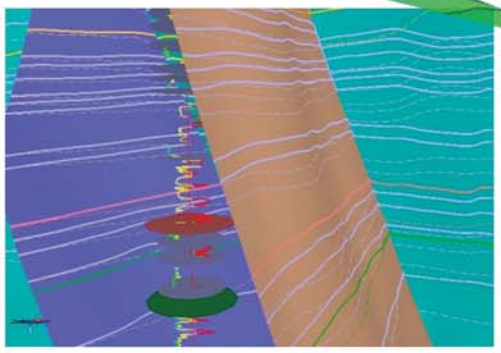


model building

3D MODEL BUILDING AND ISOCHORING







Model building and the quantification and expression of the relationship between horizons and faults is a core methodology of TT6. Water-tight, structurally robust, 3-dimensional models are readily built from any combination of well data, sparse interpretation from 2D seismic, reconnaissance 3D interpretation or carefully mapped 3D seismic.

Given the fault/horizon intersection model, TT6's GridTool provides high quality maps and surfaces from all horizon data sources including wells. This is an optional step usually reserved for making prospect maps but also, it is often useful to use GridTool to optimize the horizon surfaces when infill isochors are required.

Creation of infill layers is simple. TT6 combines well-picks, stratigraphic rules and existing mapped structure in order to generate a densely populated 3D model. The enhanced techniques lead to exceptional, geologically sound, faulted isochore geometries and infill fault polygons. It also allows the user to load and QC thickness maps in order to monitor the validity of isochore surfaces.