

## Geomodelling

RPS' technical advice in reservoir geology includes the construction of appropriate geo-cellular models based on all of the available seismic, biostratigraphic, well log, and test data.

Multi-disciplinary teams provide this input, and static geological models can be prepared in a variety of industry standard software programs. Modelling includes the use of geo-statistical techniques for enhanced reservoir description. The models are up-scaled and used in dynamic simulations.

### What we provide

- Dedicated specialists to interpret 2D and 3D seismic data and produce detailed structural and stratigraphic models, incorporating attribute analysis, where appropriate
- Saturation modelling
- Volumetric calculations for hydrocarbon resource assessment
- Sophisticated depth conversion analysis including core and well test data
- Detailed petrophysical analysis, to give reservoir property information
- Biostratigraphic analysis to constrain sequence stratigraphic interpretations and correlations
- Assessment of the impact of hydrocarbon distribution on equity issues

