Amsterdam Petroleum Geoscience

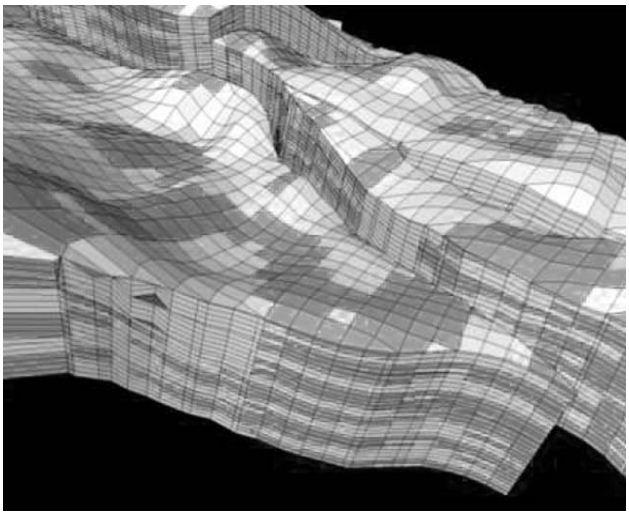
Static Reservoir Modelling and Reserves Calculation

Amsterdam Petroleum Geoscience provides geological modelling based on seismic interpretation, incorporating the stratigraphical and structural framework, lithofacies distribution and sedimentary modelling. Petrophysical analysis, calibrated with core and log data, provides reservoir properties. Consequently these reservoir properties are assigned to the geological model and combined they define the static reservoir model.

The static reservoir model allows deterministic and probabilistic reserves to be calculated. Uncertainties are quantified and evaluated by sensitivity analysis and risk assessment. The outcome provides a reliable estimation of in situ resources/reserves; the basis for reservoir management decisions.

Amsterdam Petroleum Geoscience provides:

- Deterministic and stochastic geocellular reservoir models employing Petrel™ or JewelSuite™
- Quantify geology: assign static reservoir properties
- Calculation of deterministic and probabilistic reserves
- Uncertainty definition and quantification
- Scope for in-field appraisal and early field development: forwarding well proposals
- Advice in relation to acquisition and investment decisions: risk assessment
- Evaluate opportunities in case of 'tired' or non-operated assets



Amsterdam Petroleum Geoscience B.V.
info@amsterdampg.com - www.amsterdampg.com