

## Reservoir Engineering

RPS reservoir assessment incorporates input from geophysicists, geologists and petrophysicists, into the construction and analysis of reservoir models and reservoir simulation.

RPS can undertake a range of projects from a full field integrated or reservoir engineering studies, including reservoir simulation, to the provision of operations personnel for the control of drilling, work-over; and general production activities. We have experts in compositional and black oil reservoir simulation, as well as the core skills of reservoir fluid characterisation, well test analysis and development planning.

All work is supported by industry-

standard software packages, complemented by our own proprietary, specialist tools, but any simulation or other software can be utilised to suit the client's preferences.

### What we provide

- Reservoir characterisation
- Integrated field studies
- Enhanced oil recovery (EOR) projects
- Classical reservoir engineering
- Reservoir simulation
- Reservoir management
- Well design and planning
- Field appraisal
- Development planning
- Depletion performance prediction
- Waterflooding
- EOR studies and miscible flooding
- Development of thin oil rims
- Thermal recovery of heavy oil and bitumen, including steam assisted gravity drainage (SAGD)
- Gas reservoir development
- Gas storage studies
- EOR with greenhouse gas (GHG) sequestering

