

CONSULTING SERVICES

For over 30 years, Neotec has developed internationally recognized software solutions for well and pipeline flow modelling and field forecasting.

WELLBORE OPTIMIZATION

THERMAL ANALYSES

UBD & MPD DESIGN

Our consulting builds on this expertise to provide services which cover most areas of petroleum exploitation and development.

Neotec's multi-disciplinary team of professionals averages in excess of 15 years of consulting experience in reservoir, production, and pipeline engineering.

FIELD PLANNING

RESERVOIR MANAGEMENT

RESERVOIR SIMULATION

Our strength is in quickly identifying technical solutions that bring the most value to the operation or development of an asset.

PIPELINE EVALUATION

PIPELINE DESIGN

FLOW ASSURANCE

WHAT DO WE DO?

Broadly speaking, our team's mandate is technical problem solving. We can perform reservoir, wellbore, or pipeline studies or put these pieces together to form a comprehensive picture of the operation of an asset and its development and optimization possibilities.

Below is a sampling of services we provide:

- Field development planning
- Gas field deliverability forecasting
- EOR studies • PVT studies • Flow assurance
- Artificial lift design • Reservoir simulation
- Coal bed methane field modelling
- CO₂ / Acid gas disposal or storage
- Reservoir simulation / surface network coupling
- Gas-condensate models for gas cycling
- Identification of bottlenecks or backout
- Compression placement and optimization
- Field development scheduling of wells, compressors, and other system facilities

SOLUTIONS AROUND THE WORLD



RECENT PROJECTS

- FORGAS deliverability model for several offshore Malaysian gas fields for gas planning purposes
- Evaluation of electrically heated tubulars for offshore West Africa
- Optimization of existing and new pipeline configuration to handle required oil and gas flow rates
- Gas cycling for pressure maintenance and LPG recovery in India
- Flow assurance study for corrosion mitigation in a water disposal system in Alberta
- Ongoing maintenance of a **FORGAS** model of a gas field in the Canadian Rocky Mountain foothills used to assess all development plans
- Evaluation of the ability to meet contract obligations for an offshore Middle East gas field
- **FORGAS**/GEM coupled simulation of an acid gas injection and storage project
- Evaluation of a heavy oil pipeline design in Northern Alberta
- Hot fluid circulation well design and operations in the Western Canadian Sedimentary Basin
- Compressor optimization and de-bottlenecking study for a 100+ well gas gathering network
- Reservoir simulation of enhanced oil recovery alternatives including water flood and CO₂ miscible flood in depleted and partially depleted oil reservoirs