

**Sound QI Solutions Ltd.** is a quantitative solutions company. We integrate seismic data, well data, rock physics, and geological intuition to deliver products with integrity that make a difference to exploration and development decisions. Our consulting services combine the best tools with experienced professional staff who not only listen to data and algorithms, but also listen to our clients and understand the big picture.

## Wells

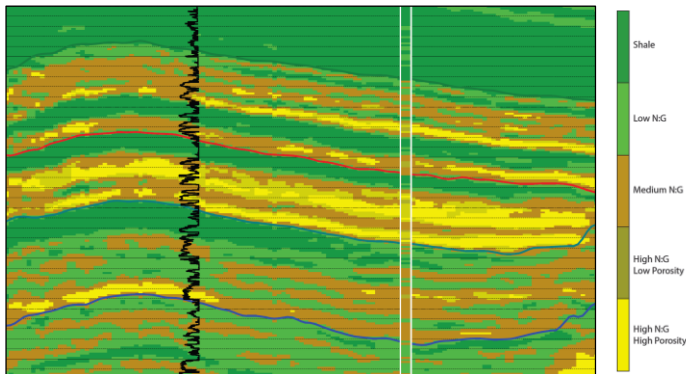
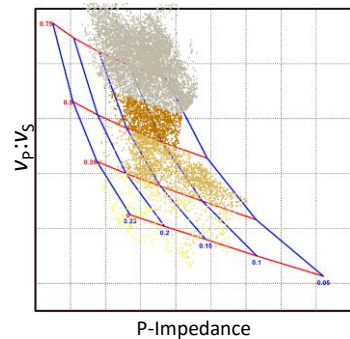
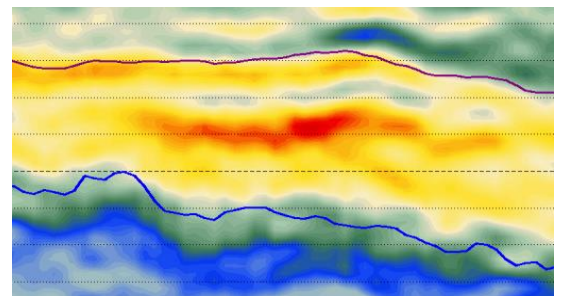
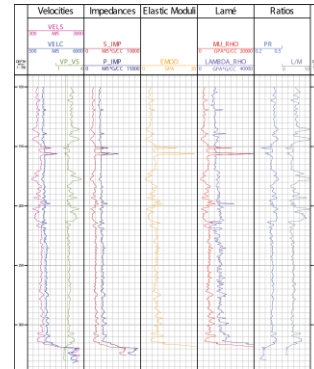
- Petrophysical QC
- Log computations and prediction, including quality flags
- Well-data analysis and crossplots for elastic-property interpretation and for creating QI templates

## Seismic

- 2D, 3D, 4D, and 3C Seismic processing oversight for QI objectives
- Data preconditioning for QI analysis
- AVO compliance QC and assessment
- AVO, post-, and prestack inversion
  - Uncertainty assessment and parameter optimization
- AVAZ attribute estimation and interpretation for azimuthally-dependent properties
- Multi-attribute analysis and log prediction
- Multicomponent (PS) AVO, inversion, and integration
- 4D calibration and interpretation

## Modelling

- Rock-physics modelling and calibration for elastic-property interpretation and QI templating
- Seismic forward modelling for QI feasibility studies



## Classification

- QI-Pro™ interactive facies and rock-property identification from QI inputs
- Probabilistic assessment of facies and flexibility to determine confidence in facies prediction

## Integration

- Workflow design
- Geological property interpretation relative to production indicators
- Interactive play fairway or production prediction

## QI Training

- 2-3 day introductory QI training course for interpreters