

Production Logging Services

Sensor-led diagnostics. Data driven decisions

Production Logging delivers high-confidence insight into inflow performance and zonal contribution - providing a detailed production profile through a cost-effective, footprint-efficient intervention

Expro's Production Logging expertise runs deep - dating back to 1986, when we ran the first Memory Production Logging Tool in the North Sea. Today, that legacy continues through best-in-class metrology selection, decades of field experience, and the backing of our global Data Analysis Centres.

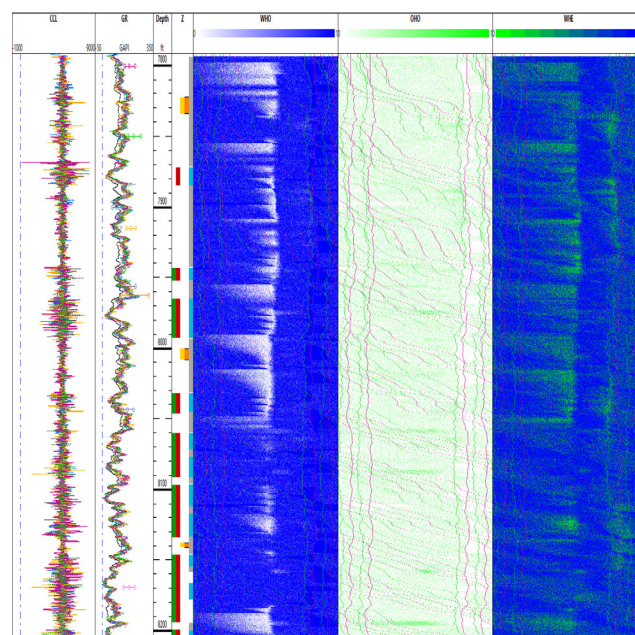
Accurate diagnostics start with fit-for-purpose sensor metrology. Expro's production logging toolbox features a range of modular sensors that can be combined into a single production logging string - including cutting-edge multi-array tools for high resolution holdup measurement of all three phases in high-angle and horizontal wells.

| Sensor selection | |
|--|--|
| Sensor | Deliverable |
| Full-bore, Caged or Inline Spinners | Used to derive fluid velocity |
| Density Sensor (Inertial or Radioactive) | Used for fluid phase discrimination and interface detection |
| Capacitance Sensor (Water Hold-up) | Used to distinguish hydrocarbon and water phases |
| Multi-array tools | Three phase radial production profile, including water cuts >90% |
| Fast Response Temperature | Detecting fluid movement and thermal transients |
| Quartz Pressure | Enables drawdown/build-up pressure transient analysis |
| Gamma Ray (GR) | Detects background gamma radiation for formation tie-in |
| Casing Collar Locator (CCL) | Detects collars and completion components for depth correlation |
| Depth Odometer / Encoder | Depth correlation and data deconvolution |

Once acquired, the data is interpreted by Expro's dedicated Data Analysis Centres, delivering actionable insights to support production optimisation and reservoir management activities.

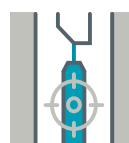
Key Applications

- Production and Injection profiling
- Water, oil and gas zonal contribution
- Thief zone assessment
- Leak detection



Why choose Expro?

- Over four decades of production logging expertise
- Access to best-in-class technology
- Conveyance via Slickline, E-Line, Slick-E-Line or Tractors
- Global reach, rapid mobilisation and local execution
- Backed by our Global Data Analysis Centres for rapid interpretation



Cased Hole Services

Ready to discover your well's flow profile?:

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