

PhaseView array production logging service

Obtain multiphase evaluation in vertical, deviated, and horizontal wells

The **PhaseView™ array production logging service** provides multiphase evaluation of fluid velocity, along with phase identification (holdups) in vertical, deviated, and horizontal wells, using arrays of non-centralized sensors. Additional production logging measurements and formation evaluation can be done when the service is combined with the **Reservoir Performance Monitor™ (RPM™) service**.

Wellbore conditions have a large effect on the quality of diagnostic data obtained during logging operation. In highly deviated and horizontal wells, oil, gas, and water can segregate into individual layers that move at different velocities with lighter phases rising to the high side of the wellbore.

These conditions require logging instruments that deploy multiple sensors across and around the wellbore to detect and quantify the individual

phase amounts and velocities for accurate flow rate determination and production profiling. Complex completions (such as gravel packs and slotted liners) or selective completions (with tubing, external packers, and annular flow) can further complicate production evaluation. The PhaseView array production logging service is deployable on wireline, coiled tubing, **TeleCoil™ intelligent coiled tubing service**, tractor, or slickline.

Contact your Baker Hughes representative to learn more about how the PhaseView array production logging service can help you with your production logging needs.

Applications

- Production and injection profiling
- Vertical, deviated, and horizontal wells
- Diagnosis of production problems
- Evaluation of workover effectiveness
- Monitoring of reservoir performance

Benefits

- Determines multiphase flow velocity and holdup measurements
- Flow profiling for optimizing production strategy
- Combinable with RPM services
- Detects and quantifies water flow behind casing or in annular flow completions
- Monitors reservoir formation water, oil, and/or gas saturation
- Provides flexible and efficient operations and logistics