ARRAY LOGGING

Array Production Logging

The ArrayPro™ Array Production Logging Service (VRC001) is a compact 6-arm multi-sensor array production logging tool. Each arm provides three measurements via a fluid velocity sensor, and a co-located fluid resistance and fluid capacitance sensor. The sensor configuration offers optimal coverage of the wellbore cross section. The tool is run with centralizers and the opening diameter of the arms should be adjusted to avoid contamination from debris on the casing wall, and to minimize risk of damage in open hole or horizontal sections.



Applications & Features

- Co-located fluid velocity and holdup measurements
- Six-sensor packages arranged radially on 6 arms
- Bi-directional fluid flow evaluation
- Combinable with Array Gas Holdup for 3-phase flow evaluation

SPECIFICATIONS	
Temperature Rating*	177°C / 350°F
Pressure Rating	1,040bar / 15,000psi
Diameter	43mm / 1-11/16”
Weight	15.9kg / 35 lbs
Length	2003mm / 80
Effective Range	Up to 228.6mm (9in.) pipe ID
Velocity Output	+/- 300 rps, <3-150m/min (<10-500FPM)
Velocity Threshold	<3m/min. (<10 FPM) Water
Resistance Output	Frequency: Post Log Processing determines Water Hold Up % (A Quicklook Real-time Hold-up is presented during logging)
Capacitance Output	Frequency: Post log processing determines water hold-up %
Temperature Resolution	0.003°C (0.006°F)
Materials	Corrosion Resistant througout