

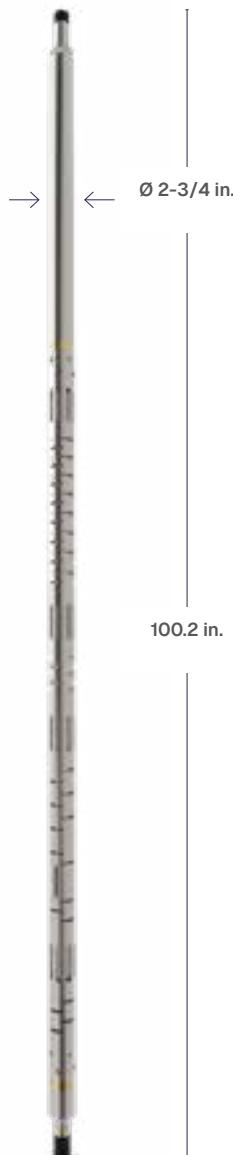


RADIAL BOND TOOL (RBL)

The Radial Bond Log tool provides proven superior reliability and responsiveness even in thin cement sheath conditions. With circumferential cement bond evaluation, the RBL identifies channels, in addition to standard cement bond logging. The main application of the Radial Bond Log tool is to evaluate hydraulic isolation between producing and non-producing zones- a key factor needed to assess the integrity of the well.

In addition to standard cement bond amplitude (CBL) through near receiver (3-ft), and variable density log (VDL) through far receiver (5-ft), the RBL tool provides a cement map through eight receivers (Radial @2Ft), each segment covering 45° section of the pipe which gives a complete 360° evaluation of bond integrity.

FEATURES

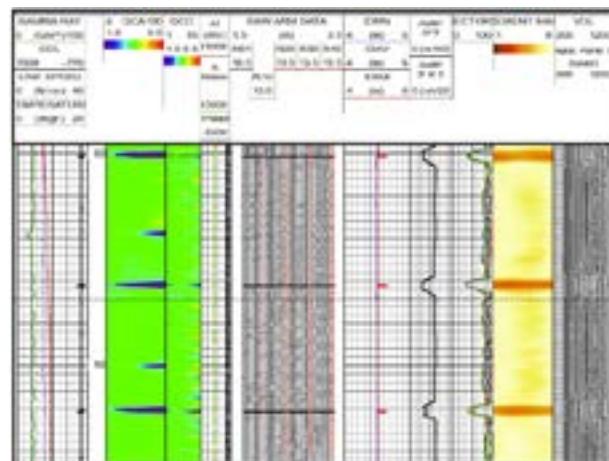


- Combinable with GOWELL's Pegasus Series Tools for flexible acquisition and rig time saving
- All receivers are built in a slotted housing to provide rigidity, strength, and noise isolation
- Robust design suitable for horizontal logging
- User friendly acquisition software
- Easily run on all standard wirelines
- Warrior compatible
- Compliant to NACE MR0175/ISO 15156-2015 e

APPLICATIONS

- Full circumferential resolution for better channel identification
- Provides a 360 degree cement map
- Cement bond quality measurement in slim and conventional wells
- Operates in casing from 3 1/2 in. (89 mm) to 10 3/4 in. (244 mm)
- Indicates channels and intervals using radial receivers
- Measures the attenuation of the acoustic energy in the casing to cement interface

MULTI-FINGER CALIPER + RADIAL CBL + EM PIPE INSPECTION COMBO LOG EXAMPLE





RADIAL BOND TOOL

SPECIFICATIONS

RBL70C-A	
P/N 1.01.06.100519453	
GENERAL SPECS	
Maximum Pressure	15,000PSI (103MPa)
Maximum Temperature	350°F (175°C)
Diameter	2-3/4 in (70 mm)
Length	100.2 ft (2545 mm)
Weight	94.8 lbs (43 kg)
Max. Logging Speed	32.8 ft/min (10 m/min)
Combinability	Combinable with Pegasus Series Tools
Borehole Fluids	Oil, Fresh Water, Brine
Tool Position	Centralized
Maximum Casing ID	10.75 in. (264 mm)
Minimum Casing ID	3.5 in. (89 mm)
Receivers	Radial = 8 Segments
Measurements	Near @ 3ft., Far @ 5ft., Radial @ 2ft.
Wave Sample Rate	2us for All Waves
Voltage	18V to 36V
Current	≤ 430 mA @ 18v
Tool Time Cycle	3 x 50ms - 150ms
Transducer Type	20 KHz Piezoelectric
Output Data	Waves: 3ft, 5ft, 2ft (8 Segments)
	Calibration Waves
	Accelerometor Data
	Borehole Temperature