

Rule 608.e

Mechanical Conditions

All Production Facilities, valves, pipes, fittings, and vessels will be securely fastened or sealed, inspected at regular intervals, and maintained in good mechanical condition. All equipment will be engineered, operated, and maintained within the manufacturer's recommended specifications.

Cement Bond Log Example Specifications

Measurement Specifications	
Output	Amplitude and TT: First arrival peak detection Variable density: Analog waveform from 5 ft receiver Cement map: 8 sector (1 11/16 in and 2 3/4 in), or 16 sector (3 1/2 in) options Secondary curves: Head voltage, internal temperature, external temperature (optional)
Transmitted waveforms	1400 μ sec for each receiver, 500 μ sec for each sector
Logging speed, ft/min [m/min]	Recommended: 30.0 [9.14], Maximum: 60.0 [18.28]
Measurement range, μ sec	200 - 1500
Vertical resolution	3 ft E1 peak Amplitude, 5 ft Sonic Waveform
Radial resolution, deg	8 sector (1 11/16 in and 2 3/4 in) : 45.0; 16 sector (3 1/2 in): 22.5
Precision, mV	< 1