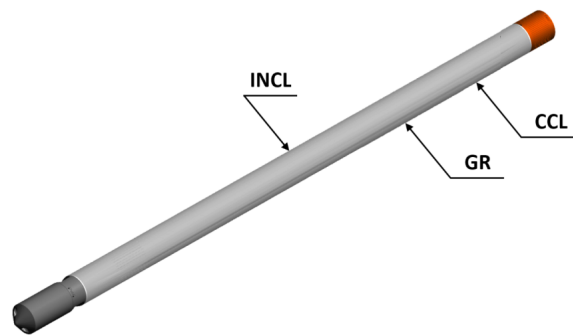


CCL (Casing Collar Locator Tool)

Deployment	Borehole
Log Name	CCL
Measured Property	Volume of magnetisable materials around the sensor
Sensor Type	Induction Coil
Units	
SI	V
Oil Metric	$mV = 10^{-3} V$
Oil Field	$mV = 10^{-3} V$



Applications

- Depth Matching between cased-hole logs and well schematic based on location of tubing/casing collars
- Locating magnetisable completion elements along the borehole:
 - Tubing/casing collars
 - Tubing/casing deformation
 - Tubing/casing defects (perforation or leaks)
 - Tubing/casing defects bottom
 - Packer elements

Tool Schematic

There are two modifications of the tool: CCL Passive and CCL Active

CCL Passive

CCL Active

Mathematical Model

CCL Passive

$$CCL = k \cdot H \cdot LSPD$$

CCL Active

$$CCL = kH$$