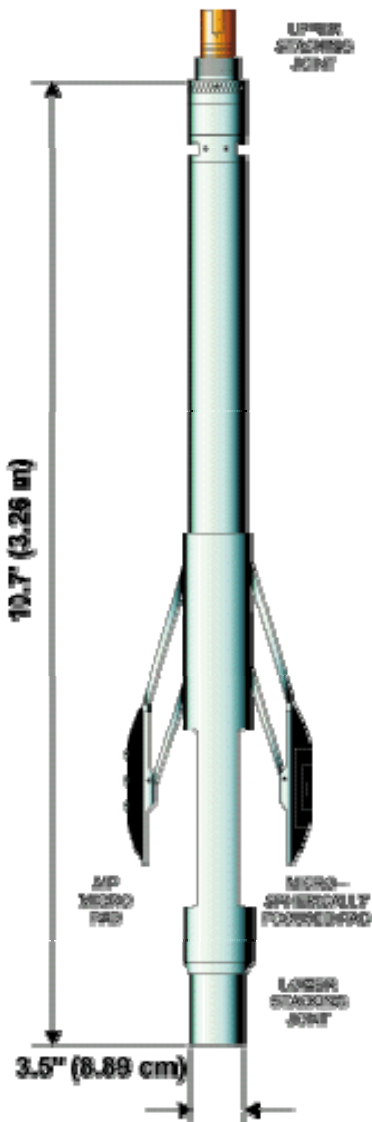


Micro Spherical/MicroLog



The Micro Spherical tool provides a resistivity measurement in the invaded zone. This measurement is useful in distinguishing moveable hydrocarbons. When used in combination with a deep and medium reading resistivity tool, the MST can help estimate R_t (Resistivity of the Virgin Zone). This tool also records a MicroLog with the appropriate pad attached to the backup arm. The MicroLog provides two shallow Depth-of-Investigation (DOI) resistivity values. At 1 inch DOI, the shallower INV is mostly influenced by mud cake. Normal (NOR) at 4 inches DOI is influenced by the flushed formation making this an excellent permeability indicator device.

The MST is combinable with all TTI open hole tools. Place anywhere below the Gamma Ray/Spectral Gamma Ray tools (GRT), but above the Phased Induction Tool (PIT).

When run in combination with the Dual Laterolog (DLT), the MST replaces the Dual Laterolog Electrode (DLE) to complete the DLT array.

This tool can be configured to run in the eccentric mode to prevent caliper collapse in deviated wells.

SPECIFICATIONS

Pressure: 20,000 psi / 1,379 bar

Temperature: 325°F / 163°C

Weight: 200 lbs / 90.72 kg

Length: 9.66 ft / 2.94 m

Tool OD: (MSFL pad) 5.25 in / 13.3 cm

Max. OD: (MSFL/Micro pads) 5.75 in / 14.6 cm

Tool OD: (Micro pad) 4.50 in / 11.4 cm