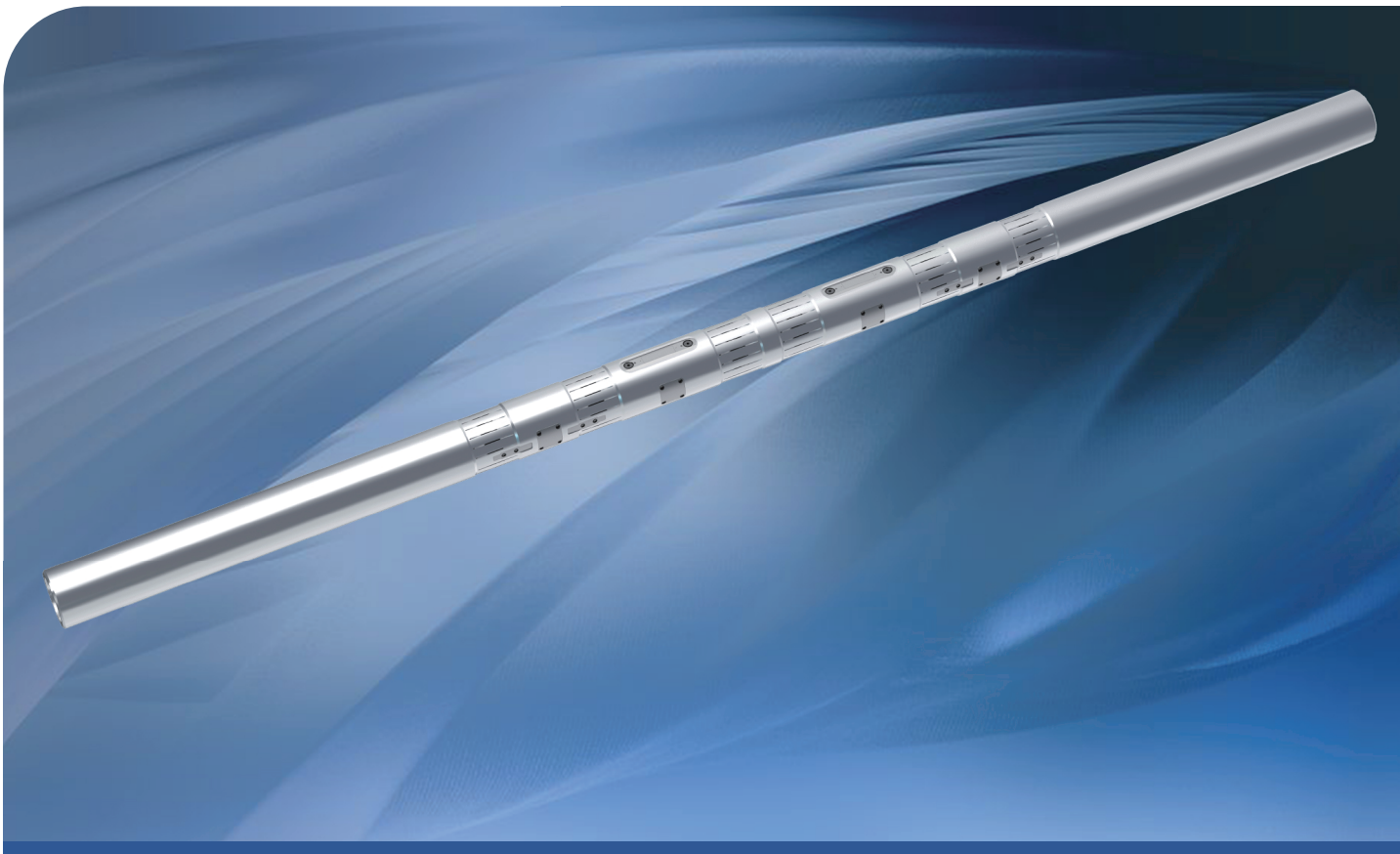




EM resistivity Tool

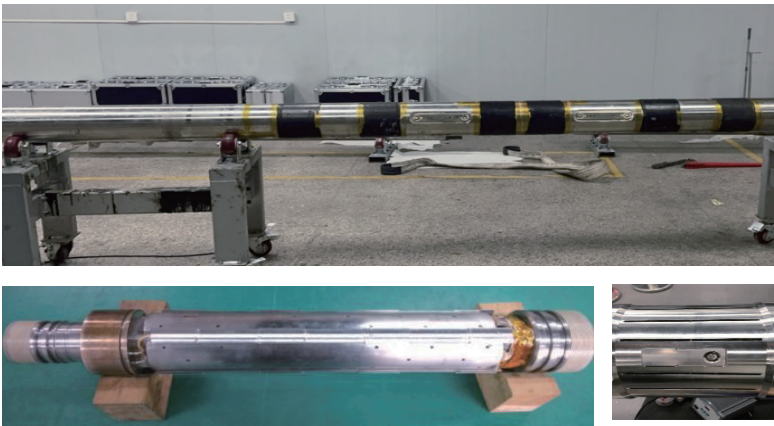
LeoLiD®

LeoLiD® EM Resistivity Tool

Measurement of formation resistivity at different depths based on electromagnetic wave

Features

- Tool type: Electromagnetic propagation
- Tool size: 6.75" /4.75"/3.75"
- Hole size:4.5" to 9 1/2"
- Max.temperature:150°C
- Max. Pressure: 20000psi
- Antenna: Four transmitter dual receiver (symmetrical array)
- Dual frequency: 2MHz and 400KHz
- Measurements: 32 original curves, 8 resistivity curves & GR
- Record interval: 10s
- Customization: Compatible with Halliburton or APS systems
- Measurement accuracy: Consistent with APS WPR tool



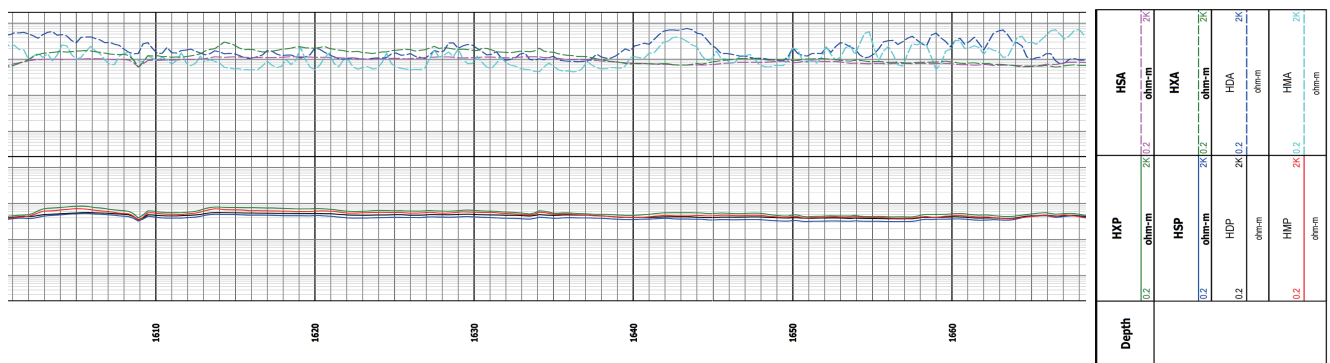
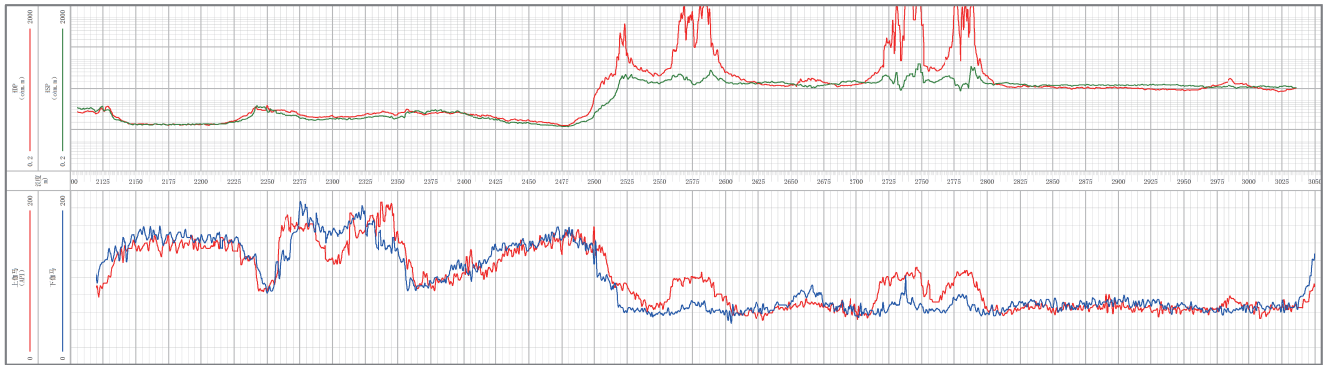
Measurement Specifications

Measurements	GR	Phase Shift (2 MHz)	Attenuation (2 MHz)	Phase Shift (400 kHz)	Attenuation (400 kHz)
Range	0-1000API	0.1-2000 ohm · m	0.1-500 ohm · m	0.1-1000 ohm · m	0.1-200 ohm · m
Accuracy	5%(API)	1% (0.1-50 ohm · m)	2% (0.1-25 ohm · m)	1% (0.1-25 ohm · m)	5% (0.1-10 ohm · m)
		±0.05 mmho/m (>50 ohm · m)	+1 mmho/m (>25 ohm · m)	+1 mmho/m (>25 ohm · m)	+5 mmho/m (>10 ohm · m)
Vertical Resolution	6in(15cm)	8″(20cm)	8″(20cm)	12″(30cm)	12″(30cm)

LeoLiD® EM Resistivity Tool

Mechanical Specifications

Minimum measurement period	10s
Temperature	-45-150°C
Pressure resistant	20000psi[137.90MPa]
Resistivity zero length	3.2m
Gamma zero length	0.8m



FELiD® SYSTEM



TigerLiD
MWD Tool



CatLiD
Near Bit Tool



JaguarLiD
RSS



LeoLiD
Resistivity Tool



PumaLiD
NMR Logging Tool



LynxLiD
Gamma Tool