

PRODUCT HIGHLIGHTS

BOUNDARY TRACKER™

Legendary MWD Systems You Can Trust

Deep-Reading Geo Steering Sensor,
Dual Frequency Compensated Resistivity Tool



Best resistivity tool for geo-steering...maintain desired distances from bed boundaries

Navigate reservoirs with dip angle and lateral thickness variations

Standard version is temperature rated for 150° C and 20,000 psi pressure ratings. HPHT rating tools (175° C, 25000 psi) are available upon special request

Place your well accurately in the most productive zone with Azimuthal Wave Propagation Resistivity LWD Tool

Features

- Next generation Azimuthal Resistivity Tool
- Maps approaching bed boundaries
- Ultra-deep Depth of Investigation up to 20 feet
- Measures 256 compensated azimuthal resistivities up to 20 ft deep
- Measures 8 compensated propagation resistivities up to 14 ft deep
- Best fit for boundary tracking for all BHA types
- Accurate wellbore placement and maximize the value of asset by maximize production

Extensive applications

- Detect water zones and avoid contact
- Enhanced directional control due to its geo-steering application optimize the drilling
- Compatible and have option to run with collar based 16 bin Azimuthal Gamma tool
- Compatible and have option to run with Annular Pressure tool for ECD and downhole pressure measurements
- Can be used in wells having H₂S concentration up to 100,000 ppm
- Obtain deeper readings to improve reaction time, allowing for increased drilling performance with less risk of drill-out

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Boundary Tracker provides deep-reading and directional measurements providing early warning of approaching bed boundaries before the target zone is exited, allowing the well to be placed in the most productive part of the reservoir

Boundary Tracker has ultra deep depth of investigation which can detect micro-faults in the formation, hence can be used to delineate the different strata

Boundary Tracker is designed to be run above RSS or Mud motor and completely compatible with Compass MWD equipment

SPECIFICATIONS				
Tool Size		3.5"	4.75"	6.75"
Hole Size Range		4-1/4 to 5-1/2"	5-7/8 to 6-3/4"	8-3/8 to 10-5/8"
Nominal OD/MAX OD		3.5/3.75"	5/5.25"	6.75/7"
Length		168"		
Top/Bottom Conn		Customer's Choice		
Connection Make-up Torque		2,500 lbf-ft*	10,000 lbf-ft*	30,000 lbf-ft*
Max DLS	Rotating	20°/100ft	15°/100ft	8°/100ft
	Sliding	40°/100ft	30°/100ft	16°/100ft
Max RPM		200		
Max WOB		20,000 lbf*	50,000 lbf*	100,000 lbf*
Max Sand %		<1%		
Power		External		
Max Flow Rate		150 gpm	350 gpm	750 gpm

RESISTIVITY MEASUREMENT ACCURACY						
Type of Measurement	Spacing	Frequency	Range	Accuracy	Range	Accuracy
Phase Difference	46"	400 kHz	0.2–10 ohmm	2%	10–500 ohmm	2 mmhos
		2 MHz	0.2–10 ohmm		20–3,000 ohmm	1 mmhos
	18"	400 kHz	0.2–15 ohmm	3%	5–250 ohmm	6 mmhos
		2 MHz	0.2–10 ohmm	2%	10–1,000 ohmm	1 mmhos
Attenuation	46"	400 kHz	0.2–3 ohmm	5%	3–10 ohmm	10 mmhos
		2 MHz	0.2–16 ohmm		16–50 ohmm	3 mmhos
	18"	400 kHz	0.2–3 ohmm		3–10 ohmm	15 mmhos
		2 MHz	0.2–8 ohmm		8–50 ohmm	6 mmhos

MEASUREMENT SPECIFICATIONS				
Resistivity Range	Vertical Resolution	Maximum Depth of Investigation:		Azimuthal Resistivity/Gamma
		Propagation	Azimuthal	
0.2–3,000 ohmm	1.25 ft at 1 ohmm	14 feet	20 feet	16 sectors

Cost-effective and high-quality results

- Compatible with all types of mud, making it a best choice to run in complex hole conditions
- Excellent vertical resolution
- Extra large memory capacity for recorded data allows longer runs and sections
- No worries about battery depletion, as it get power from MWD power generator
- High accuracy and wide measurement range
- Provides high quality resistivity data in real time
- Records high resolution resistivity data which can be retrieved from tool memory.
- Available in 3 1/2", 4 3/4", 6 3/4" collar sizes

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