

ABI-43: the world's most compact ultrasonic evaluation tool



The story so far

Production and integrity evaluation specialist, READ Cased Hole signed an exclusive agreement with Advanced Logic Technology in January 2019 to develop and bring to market ALT's ABI-43 acoustic borehole imaging technology.

Originally pioneered for the mining industry more than 25 years ago, the ABI-43 has a solid reputation as an innovative and dependable solution for improved productivity and data integrity in a range of mining applications.

Now, under READ's direction, the tool is being diversified for oil and gas.

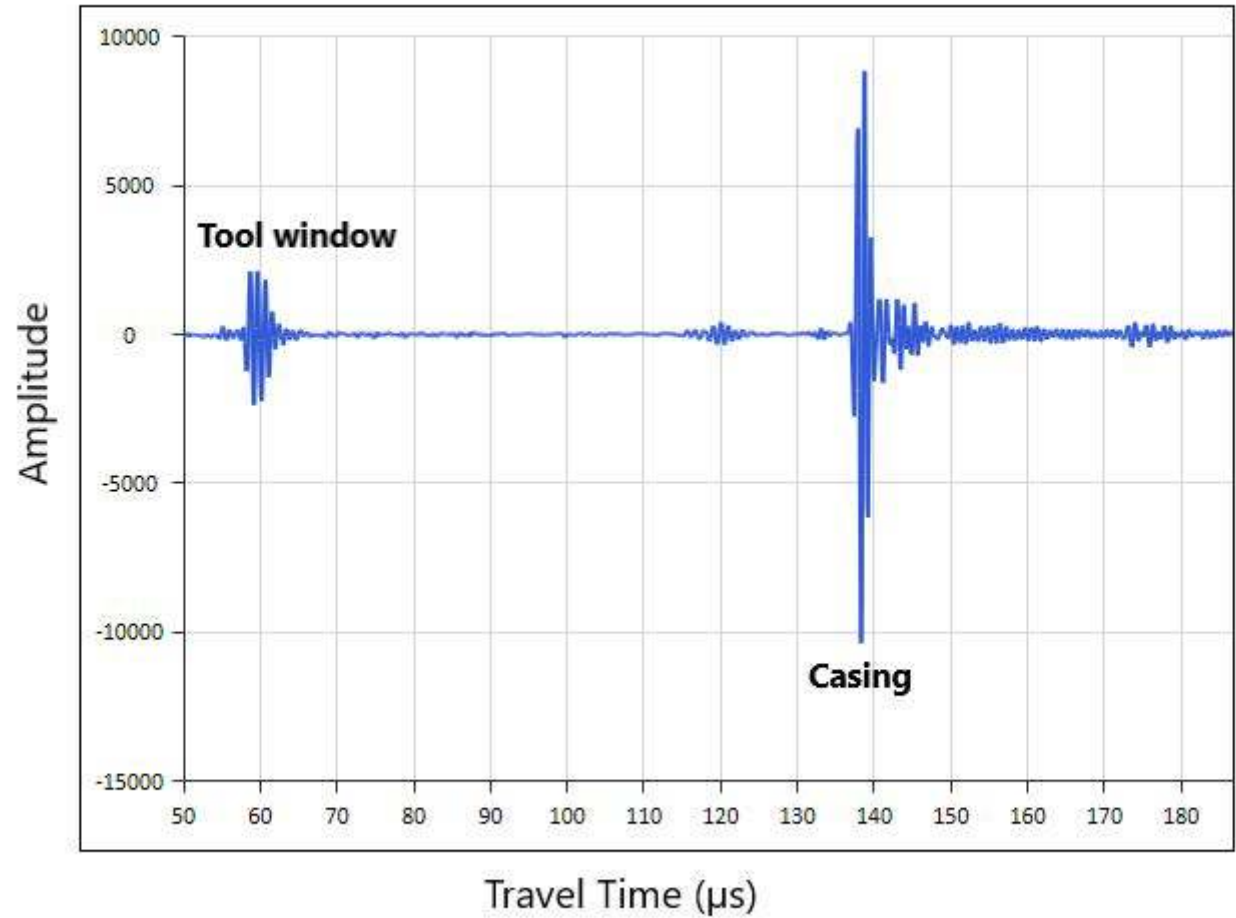
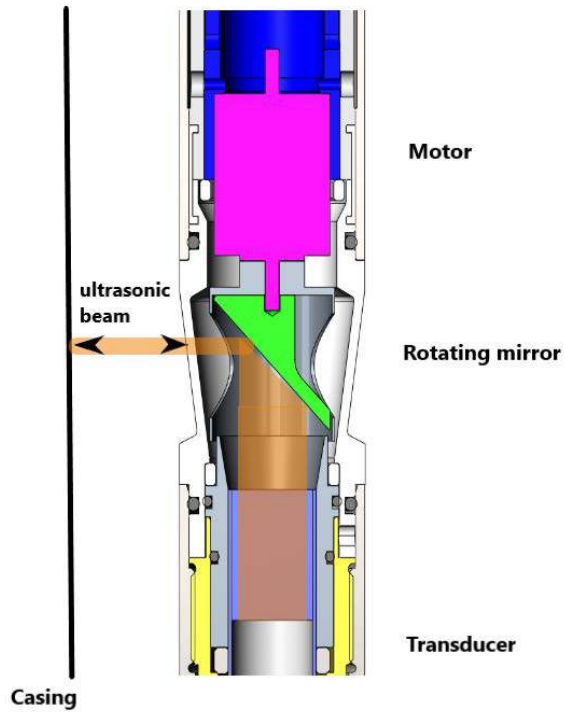
About ABI-43

The ABI-43 is unique. With a tool body measuring just 43mm in diameter, it is the most compact tool of its kind for easy through tubing deployment in all well deviations, including horizontal. The tool's applications will include:

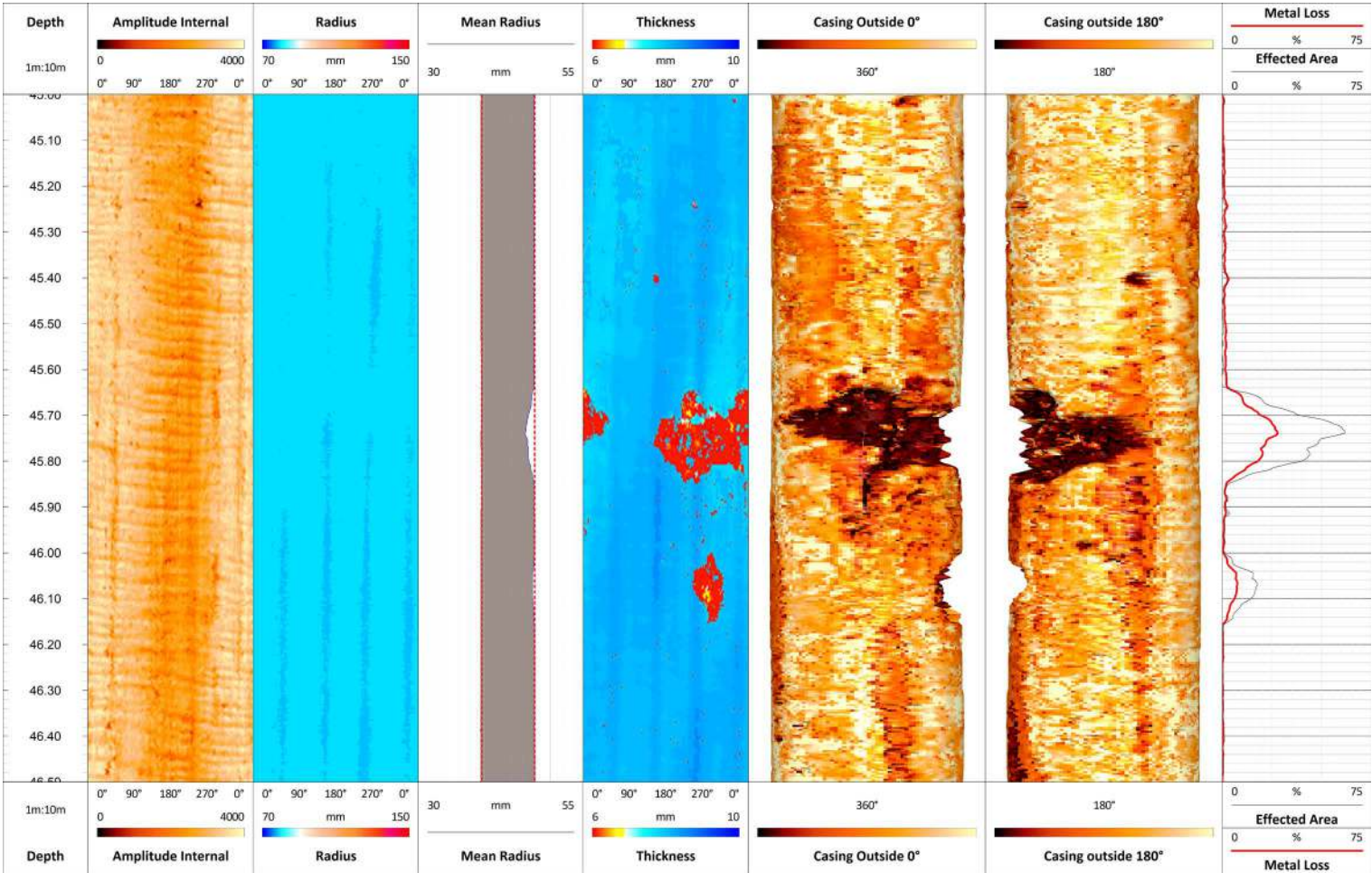
- cement evaluation
- casing inspection
- corrosion detection
- internal casing damage detection
- casing thickness analysis

The ABI-43 is deployable on electric line and tractor, and is supported by a comprehensive range of log analysis and report services from READ.

ABI-43 principle of measurement



ABI-43 field data



Tracks 2 and 3 show the surface quality and travel time derived radius image of inside pipe.

Track 5 shows the pipe wall thickness.

The data presentation is completed with 3D views of the defect on the outside pipe.



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Who is READ Cased Hole?

READ Cased Hole is a world-leading provider of independent cased hole logging services to the oil and gas industry. For almost 30 years, READ has been delivering high-quality production logging and well integrity solutions in read-time and memory for wireline, slickline and coil tubing services. READ is headquartered in Aberdeen, Scotland and has facilities in the US, Middle East and Europe.

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Who is ALT?

Advanced Logic Technology (ALT) is a leading provider of slim-hole imaging instrumentation, high-end data logging systems and the industry-recognised and trusted WellCAD™ software for editing, presenting and analysis of borehole data. ALT was founded in 1993 and is headquartered in Luxembourg.

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What makes this a great partnership?

Together, READ and ALT are embarking on an exciting journey to fully understand the ABI-43 tool's capabilities, the complete spectrum of well environments it will operate in, and operators' specific requirements and expectations from this developing technology. With READ's expertise in cased hole logging and data interpretation, and ALT's proven technological excellence, the ABI-43 is set to emerge as a fresh approach to acoustic borehole imaging for oilfield operators.

ABI-43 Benefits

Using ABI-43 technology, READ's clients can expect to:

Better understand their casing and cement properties

Save time and money

Maximise operational efficiency

Make qualified decisions

Reduce risk

ALT/ABI-43 proven track record:

Pioneered for the mining industry more than 25 years ago

Solid reputation in mining applications

Trusted source in borehole imaging

Get in touch

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ABI-43 acoustic borehole imaging technology
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