

## ABI-40 and ABI-40 2G ACOUSTIC TELEVIEWER

The latest generation of acoustic televiewers, the stackable ABI-40 2G QL-series, utilizes ultrasonic pulses to image the borehole wall face.

Revolutionary sensor technology enables this slim-line televiewer to achieve superior image resolution by focusing the acoustic beam from a fixed transducer and rotating reflective surface.

The flexibility to change the revolution rate, sample rate, digitizing window and gain control ensures high quality image resolution over a large effective borehole diameter. Acoustic images are directionally oriented with a 3-axis magnetometer and 3-axis accelerometer.

Sophisticated data analysis provides accurate and precise borehole fracture information and uses it to generate a digital virtual core package, as well as acoustic caliper data.

### APPLICATIONS:

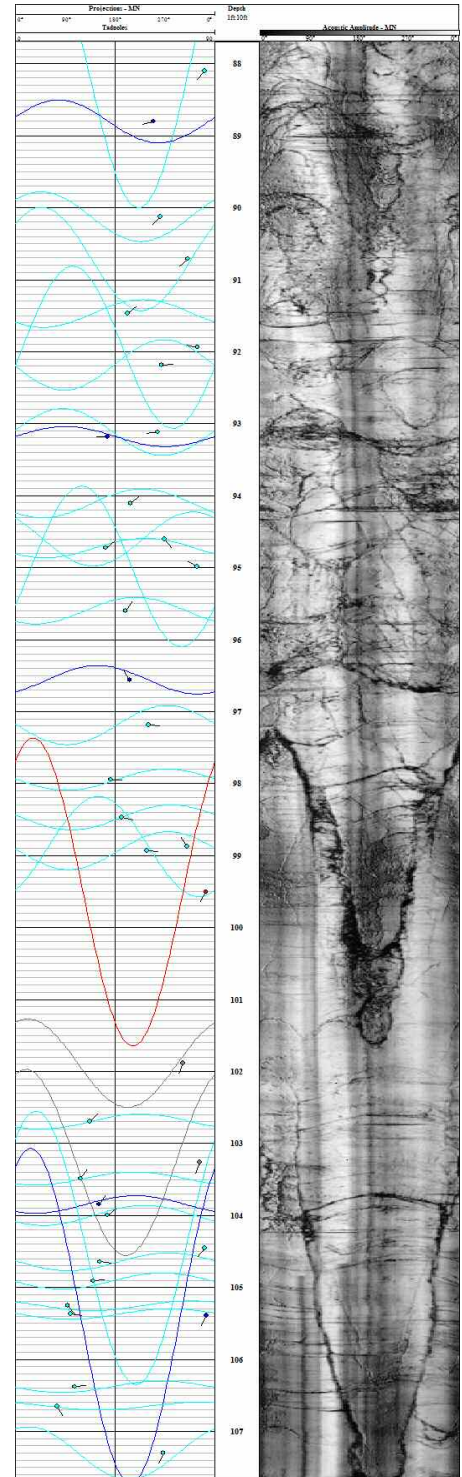
- + Fracture orientation and evaluation
- + Thin bed detection
- + Borehole diameter
- + Bedding dip
- + Lithological characterization
- + Casing inspection
- + Borehole deviation

### PROBE SPECIFICATIONS:

Diameter:	40mm (1.6 in.)
Length:	1.6m (5.25 ft.)
Weight:	6 Kg (23.2 lbs)
Max Operating Temperature:	70°C (158°F)
Max Pressure:	200 bar (2900 psi)
Borehole Diameter:	2" to 20" depending on mud conditions
Logging Speed:	3 to 24 ft/min depending on resolution, wireline and borehole diameter

### SENSOR SPECIFICATIONS:

Acoustic Sensor:	Fixed transducer and rotating focusing mirror
Focusing:	3" or 6"
Frequency:	1.2 MHz
Rotation Speed:	up to 35 revolutions per second
Samples per Revolution:	72, 144, 216, 288 and 360; user defined
Caliper Resolution:	0.08mm
Measurement Range:	2" to 20" diameter depending on mud conditions
Inclination Accuracy:	0.5 degree
Azimuth Accuracy:	1.0 degree



### COLOG Regional Offices

corporate offices  
810 Quail Street, Suite E  
Lakewood, Colorado 80215  
303-279-0171

southeast region  
Madison, Alabama  
256-325-1504

western region  
Elko, Nevada  
775-777-3433

southwest region  
Chandler, Arizona  
480-236-6815

[www.colog.com](http://www.colog.com)