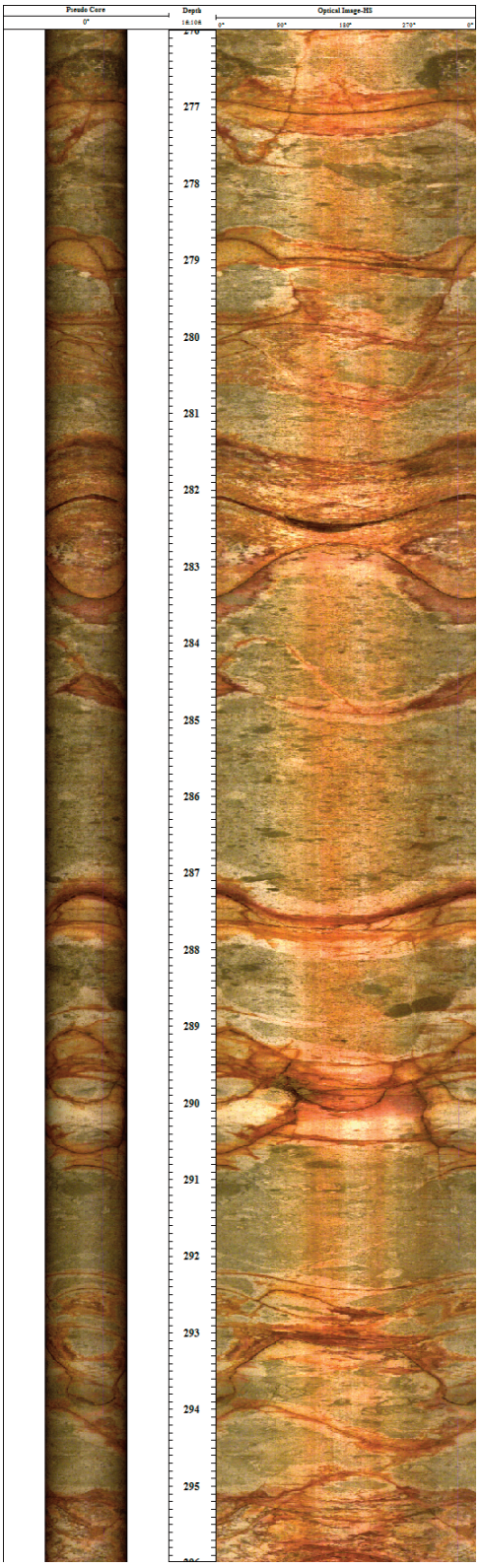
OBI-40 OPTICAL TELEVIEWER

The OBI-40 Optical Televiewer offers cost-effective core orientation and fracture evaluation. This devise produces a 360º RGB color oriented image of the borehole wall face utilizing a 3-axis magnetometer and 3 accelerometers. The imaging technology allows for accurate borehole deviation data to be obtained simultaneously with a 3D core image in a single logging pass.

Optical Televiewer technology complements or replaces coring surveys while eliminating associated core recovery and orientation problems. Statistical analysis provides rose diagrams, stereonets, aperture, fracture-density and 3D projections of the dominate fracture networks.



APPLICATIONS:

+ Fracture orientation and evaluation
+ Thin bed detection
+ Visual observation of mineralization
+ Bedding dip
+ Lithological characterization
+ Casing inspection
+ Borehole deviation

PROBE SPECIFICATIONS:

Diameter:	40mm (1.6 in.)
Length:	1.5m (4.9 ft.)
Weight:	6 Kg (23.2 lbs)
Max Operating Temperature:	50ºC (122 ºF)
Max Pressure:	200 bar (2900 psi)
Borehole Diameter:	1.75" to 24" depending on borehole conditions
Logging Speed:	3 to 12 ft/min depending on resolution and wireline conditions

SENSOR SPECIFICATIONS:

Type:	DSP based digital CCD downhole camera
Optics:	Polycarbonate conic prism system
Azimuthal Resolution:	User-definable 90/180/360/720 pixels per 360º
Vertical Resolution:	User-definable depth sample rate, 0.5mm+
Color Resolution:	24-bit RGB
Orientation:	3 axis magnetometer, 3 accelerometers
Inclination Accuracy:	0.5 degree
Azimuth Accuracy:	1.0 degree

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