

OIL & GAS APPLICATIONS

BOREHOLE GEOPHYSICAL SERVICES

Geophysical well logging is routinely used in virtually every oil well drilled in the world today. It is the primary means by which we characterize the subsurface in search of hydrocarbons.

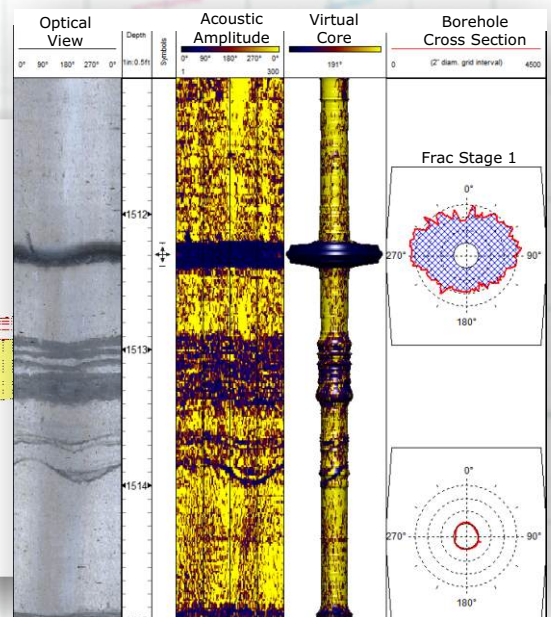
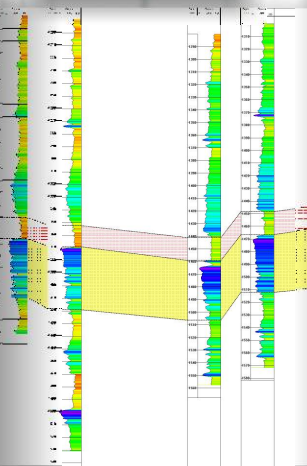
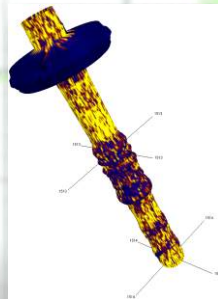
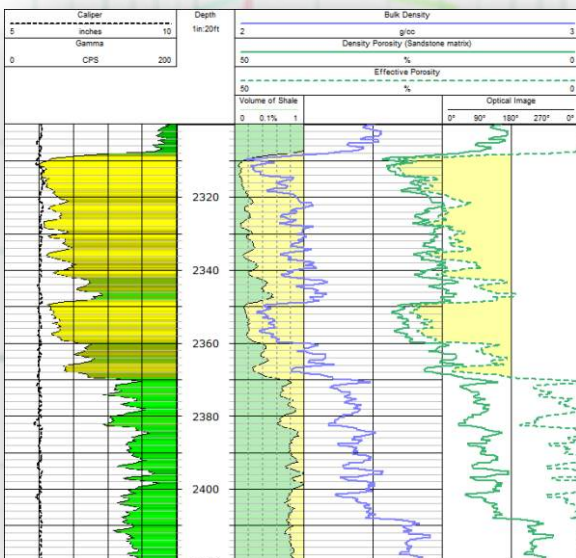
Initial applications of well logging were limited to stratigraphic correlation and basic lithologic description. Today these data can be used for detailed geologic analyses such as depositional reconstruction and facies characterization. Advances in computer and electronics capabilities have not only facilitated dramatic improvements in well logging technologies, but have reduced the costs as well.

Log Services

- > Density
- > Neutron
- > Gamma Ray
- > Spectral Gamma
- > Guard Resistivity
- > Normal Resistivity
- > Single Point Resistance
- > Spontaneous Potential
- > Acoustic Televiewer
- > Optical Televiewer
- > Full Waveform Sonic
- > Cement Bond
- > Induction
- > Temperature
- > Deviation
- > Caliper

These improvements have led to the development of new imaging tools that provide a more detailed view of the reservoir and source rocks. ARM geologists and geophysicists use imaging technologies to determine the orientation of fractures and bedding planes as well as to provide detailed information about composition, structure, and stratigraphy.

In addition to standard logs such as density, neutron, and resistivity suites, ARM provides imaging technologies that can be run in air-filled or "empty" holes. Our geologists can provide subsurface mapping services and three-dimensional modeling to provide a more complete understanding of the subsurface.



1129 West Governor Road
Post Office Box 797
Hershey, PA 17033-0797
(717) 533-0801
www.armgeophysics.net