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by Mike Bahorich
Apache Corp.,
Houston, Texas

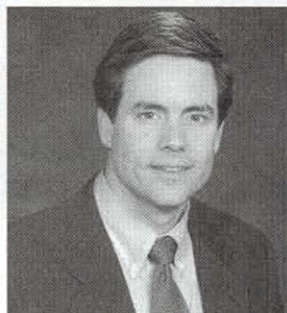
Global Geophysical Trends

The exploration and production industry faces a tremendous growth challenge with a projected need for an additional 37 MMBOPD over the next two decades. Advances in geophysical technology will play a significant role in delivering these resource requirements.

Over the next five years, new developments in computing, digital recording, massive channel counts, 3-D imaging, time-lapse (4-D), anisotropy, seismic attributes, multi-component recording, and visualization will provide geoscientists with new tools in the arsenal for finding and developing new fields.

Biographical Sketch

MIKE BAHORICH invented two technologies that are used extensively by oil industry geophysicists. He received the SEG 1998 Virgil Kauffman Gold Medal for his Coherence Cube™ patent, a method that reveals stratigraphic features and numerically highlights 3-D seismic fault surfaces. A service company, Coherence



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Technology, was founded on this work. Years earlier, he patented interval/volume attribute mapping, now available on most geoscience workstation software platforms.

He is an officer of Apache Corporation, where he is executive vice president, exploration and production technology. He has spent his career at Apache

and Amoco as an explorer, geophysical interpreter, development geophysicist, seismic processor, stratigrapher, researcher, software developer, research supervisor, exploration manager, and chief geophysicist.

Bahorich edited a geophysical textbook and has published in a variety of areas including seismic attributes, multivariate statistical analysis, statics, seismic acquisition, seismic processing, seismic interpretation, workstation software, and stratigraphy.

He received a BS in geology from the University of Missouri, Columbia, and an MS in geophysics from Virginia Polytechnic Institute (VPI).

Mike is SEG President for the 2002–2003 term. He also serves on advisory boards at VPI and Stanford University. ■