



APEX, A SIGMA³ Company Earns Award for Best Paper in *The Leading Edge*

SEG, Las Vegas – November 6, 2012 – Bob Hardage, SEG President, awarded Best Paper in *The Leading Edge* to APEX, A SIGMA³ Company, during the 82nd Annual Meeting and International Exposition of the Society of Exploration Geophysicists. The award for *Seismic Anisotropy in Microseismic Event Location Analysis*, July 2011, was presented Monday evening at the Editor's Reception and Dinner.

In the quest to better characterize and optimize hydrofrac performance, the advantage will go to those who deliver breakthroughs in microseismic technology and best practices. Authored by Richard Van Dok, Brian Fuller, Les Engelbrecht and Marc Sterling, this paper demonstrates the critical role of anisotropic velocity fields in the accuracy of microseismic event locations associated with hydraulic fracturing stimulation.

"The pressure is on to find the best targets, drill, and complete oil and gas reservoirs more efficiently and with an accurate understanding. It takes scientific leadership in microseismic technologies to understand and optimize hydrofrac engineering for maximum production. This represents the next generation of industry science," said Jorge Machnizh, CEO of SIGMA³ Integrated Reservoir Solutions. "The brightest minds in microseismic innovation are from APEX and we are grateful to SEG and the editors at *The Leading Edge* for recognizing their leadership."

About SIGMA³ Integrated Reservoir Solutions

SIGMA³ Integrated Reservoir Solutions, Inc., is a leading technology provider for the oil and gas industry that advises oil and gas companies where and how to drill the most prolific wells, while maximizing their production. Through a truly integrated, reservoir-centric portfolio of technology, expertise and services, SIGMA³ delivers an unprecedented level of integration that spans reservoir understanding to production optimization. For more information visit www.sigmacubed.com.

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