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Qualifies as 1.0 CEU for Texas State Geoscientists

by Jeff Brami
ExxonMobil

The HGS Northsiders Group strives to provide a variety of technical talks to our audience that range from new discoveries play concepts to the practical applications of new and current technology. This January, Jeff Brami, ExxonMobil, will give a presentation on the practical application of new and current technology, from the operational perspective of wireline logging conveyance systems. This talk is appropriate for both the young professionals in our society (NeoGeos) as well and for all members who would like to keep up with technical advances. Jeff's talk addresses a very critical data gathering step in the hydrocarbon exploration and exploitation process.

Frank Walles, Chairman, Northsiders

January Meeting Preview

Wireline Logging Conveyance Systems

This talk deals w/ the methods used to get wireline (WL) sensors in and out of wellbores. Although the primary focus of the presentation is open-hole, most of the methods discussed are applicable to cased-hole wells. Following a brief history of well drilling there will be a general description of the various types of wells and the logging challenges they present.

Following a brief introduction to directional drilling, various philosophies/strategies for logging those wells are reviewed from a "value-of-information" perspective. Descriptions of typical logging conveyance systems are followed by a discussion of more complex solutions for difficult logging scenarios. An overview of stuck logging tools is followed by a primer on how drillpipe may be used in logging wells with both large and small (2") diameter tools.

The final topic is logging high angle wells with tractors and coiled tubing. The twists and turns in our wells can create some unique petrophysical puzzles. Complex wellbores often generate artificial log responses that mask true formation properties. A table summarizing oilfield formation evaluation methods and a simplified pragmatic overview wraps up the presentation. ■

Biographical Sketch

Following a tour in Viet Nam with the U.S. Marine Corps, JEFF BRAMI attended the University of South Florida on the G. I. Bill, graduating in 1975 with a BS in Geology. He has been a geologist with Exxon since 1978, working for six years in Malaysia and Japan as a wellsite and prospect geologist. Upon returning to the

United States in 1985, he worked in New Orleans as an operations geologist in the eastern United States and Gulf of Mexico.

A transfer to Houston in 1991 moved him into research with a focus on measurement-while-drilling (MWD) formation evaluation.

From 1995 to 1999, Jeff traveled extensively in the People's Republic of China, primarily in the Tarim basin as well as to Indonesia. Jeff also spent a time in

Trinidad & Brazil as a geological operations supervisor. He served as president of the International MWD Society (IMS) for two years and as conference chairman for the SPWLA Topical Conference on MWD. He was awarded SPWLA's Distinguished Service Award in 1996. He also served as the chairman of the SPE workshop on LWD in Austin in May 2000. Jeff's SPE paper on MWD calibration and quality control has been re-published in both the SPWLA and SPE re-print series. His primary focus in recent years has been to facilitate cooperation between geologists, drilling organizations and MWD service companies. Currently he is one of the two operations geologists in the US Production Department for ExxonMobil Production Company. He is responsible for data acquisition on production wells around the USA, particularly in Colorado and Texas. He is often involved in assessing new technology associated with wireline logging, LWD, coring and mud logging.

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