

***SPECIAL TECHNICAL LUNCHEON***

***March 8, 2017***

***SPEAKER: Fangjian “Jack” Xue, Schlumberger***

“***The New Opportunities and Approaches for Ordovician Carbonate Play of United States”***

**OCGS DEVON GEOSCIENCE CENTER**

**10 NW 6th Street**

**OKLAHOMA CITY, OK 73102**

***WEDNESDAY March 8, 2017***

***LUNCH 11:30am – 1:00pm***

***MEMBER COST $25.00***

***VISITOR COST $30.00***

**RESERVATIONS MUST BE SUBMITTED Friday March 3, 2017 BY 12:00 NOON**

**Abstract**

The Lower Ordovician – Upper Cambrian carbonate covers large areas of the midcontinent U.S. Wells can produce at very high rates. Karstification, dolomitization, and fracturing have long been regarded as the main factors controlling reservoir quality. Characterizing collapse features with seismic approach has been extensively tested, published and cited in effort to define karst and fractured reservoir zones. But the carbonate E&P in the Asia tell quite different stories from reservoir character to approach effectiveness. Under the depth over 6000m, there are still many and large “live” caves (without collapse) in carbonates, which are very productive and associated with “bead-shaped” bright-spots in 3D seismic.

Reviewing Ordovician carbonate of US with the new knowledge has revealed many new opportunities in this old play. The “live” caves do exist and might be very extensive within the in Ordovician carbonate. Most of these caves have not been tested, providing numerous easy access, high productive and low cost targets for drilling. Many of them are just below shale play, providing economic targets to balance the high cost of shale plays. These new understanding indicates that the Ordovician carbonate in United States has much higher potential and value than current estimation. A technical workflow focusing on “live” caves with key steps in seismic acquisition, processing, interpretation modeling has been developed for effective E&P on such cavernous carbonate. Application of this workflow will effectively reveal and capture the new opportunities in not only Ordovician but also shallower carbonate plays.

**Biography**

Fangjian graduated from Ocean University of China with BSc and MSc in Geology at hometown Qingdao and started career as geophysicist at CNOOC in 1985. He got PhD in geophysics of Texas A&M University and joined Schlumberger at Houston in 1997. Currently works as a geoscientist at Schlumberger in Malaysia. In 31-year professional activities, Fangjian’s interest and expertise has been to provide G&G solutions to E&P challenges with worldwide experiences in various reservoir types and structural styles. Since 2009, he has focused more on carbonate. With a data-driven approach, the experiences on carbonate E&P in Asia and the worldwide info on modern carbonate topography, Fangjian has developed a new understanding on carbonate heterogeneity. This is a unique knowledge system for carbonate E&P with aspects of scientific breakthrough, technical effectiveness and business opportunities.

**Reservations- Link to register is:** [**https://www.ocgs.org/events/**](https://www.ocgs.org/events/) **or contact Chelsey at the OCGS office by e-mail:** **cjones@ocgs.org** **Phone: 405/236.8086 x17.**

Attendance without reservation will not be possible. Reservations must be cancelled by March 3, 2017 at noon to avoid being charged. Thank you for your consideration.