

***TECHNICAL LUNCHEON***

***November 16, 2016***

***SPEAKER: Brendan Elliott***

“***The Utilization of Vertical Data Wells to Delineate Horizontal Plays in the Delaware Basin: An approach in conventional diagnostics for unconventional developments.”***

**OCGS DEVON GEOSCIENCE CENTER**

**10 NW 6th Street**

**OKLAHOMA CITY, OK 73102**

***WEDNESDAY November 16, 2016***

***LUNCH 11:30am – 1:00pm***

***MEMBER COST $25.00***

***VISITOR COST $30.00***

**RESERVATIONS MUST BE SUBMITTED Friday November 11, 2016 BY 12:00 NOON**

**Abstract**

Unconventional horizontal developments require massive investment for appraisal and delineation.  It is often required to make critical landing point choices, appraise multiple horizons, and evaluate optimal fracture designs in the first few wells. This presentation will review a case study over the utilization of vertical data wells to delineate horizontal plays and answer key development questions early in the play's lifecycle. Utilizing conventional diagnostic techniques such as radioactive proppant tracers, post frac temperature logging, and diagnostic fracture injection testing, we successfully identify multiple landing targets and fracture barriers in the Delaware Basin.  When these vertical data wells are paired with advanced coring and logging programs the dataset becomes even more robust for modeling and generating predictive reservoir characterizations. Vertical data wells are a true integrated methodology that require collaboration between all engineering disciplines and geoscientists.

**Biography**

Brendan Elliott is a completions engineer at Devon Energy working in a corporate Completion Technologies role. Main responsibilities include completion design and optimization, diagnostic fracture injection testing (DFIT) analysis and execution, vertical science well planning and evaluation, fracture diagnostics for model calibration, and fracture modeling. Currently focused in the Delaware Basin developing multiple stacked pay intervals, also with prior experience in Midland Basin South Texas. Brendan holds a BS in Petroleum Engineering From Texas A&M University with a minor in geology.

**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**](mailto:cjones@ocgs.org) **Phone: 405/236.8086 x17.**

Attendance without reservation will not be possible. Reservations must be cancelled by November 11, 2016 at noon to avoid being charged. Thank you for your consideration.