The Society of Petroleum Evaluation Engineers

SPEE Denver Chapter announces its July Luncheon Meeting.

(Members and Guests are cordially invited to attend.)

Wednesday, July 8, 2015

Dr. Tom Blasingame

Professor and holder of the Robert L. Whiting chair in the Department of Petroleum Engineering at Texas A&M University

Will be speaking on:

Reservoir Engineering Aspects of Unconventional Reservoirs

LUNCHEON STARTS AT 11:30 A.M.
(A plate lunch will be served.)
PRESENTATION BEGINS AT NOON

The Denver Athletic Club

3rd Floor, The New Petroleum Club Room
1325 Glenarm Place (14th and Glenarm) Denver CO 80204
Parking flat rate $7.00 on space available basis

Cost: $35.00 per Person

(by online signup)

Please RSVP by Noon Monday, July 6, 2015

RSVP and simultaneously pay by credit card online at:

https://secure.spee.org/civicrm/event/info?reset=1&id=76.

If the above link does not work, alternatively go to www.spee.org then select 'Local Chapters', then 'Denver', then 'Click Here To Register'.

Speaker Bio.: Dr. Tom Blasingame is a Professor in the Department of Petroleum Engineering at Texas A&M University in College Station Texas. He holds B.S., M.S., and Ph.D. degrees from Texas A&M University — all in Petroleum Engineering. In teaching and research activities Dr. Blasingame focuses on petrophysics, reservoir engineering, analysis/interpretation of well performance, and technical mathematics.

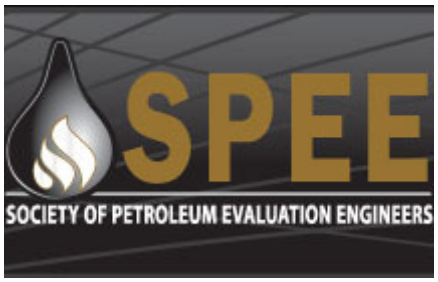
Dr. Blasingame's research efforts deal with topics in applied reservoir engineering, reservoir modeling, and production engineering. Dr. Blasingame has made numerous contributions to the petroleum literature in well test analysis, analysis of production data, reservoir management, evaluation of low/ultra-low permeability reservoirs, and general reservoir engineering (e.g., hydrocarbon phase behavior, natural gas engineering, inflow performance relations, material balance methods, and field studies). As of May 2015, Dr. Blasingame has graduated 55 M.S. (thesis), 31 M.Eng. (report, non-thesis), and 12 Ph.D. students, and he has performed several major field studies involving geology, petrophysics, and engineering tasks.

Dr. Blasingame is a member of the Society of Petroleum Engineers (SPE), the Society for Exploration Geophysicists (SEG) and the American Association of Petroleum Geologists (AAPG). Dr. Blasingame is a Distinguished Member of the Society of Petroleum Engineers (2000), and he is a recipient of the SPE Distinguished Service Award (2005), the SPE Uren Award (for technology contributions before age 45) (2006), the SPE Lucas Medal (SPE's preeminent technical award) (2012), the SPE DeGolyer Distinguished Service Medal (2013), the SPE Distinguished Achievement Award for Petroleum Engineering Faculty (2014), and he has served as an SPE Distinguished Lecturer (2005-2006). Dr. Blasingame has prepared over 130 technical articles; and has chaired numerous technical committees and technical meetings. Dr. Blasingame also served as Assistant Department Head (Graduate Programs) for the Department of Petroleum Engineering at Texas A&M from 1997 to 2003, and has been recognized with several teaching and service awards from Texas A&M University.

Abstract.: This presentation considers the numerous elements related to the Reservoir Engineering Aspects of Unconventional Reservoirs, and specifically addresses the following topics:

- Geology: (Definition of an unconventional (shale) reservoir system)
- Geophysics: (Role of seismic and microseismic data in unconventional reservoir development)
- Petrophysics: (Porosity-permeability concepts, imaging, hydrocarbon maturation)
- Flow Behavior: (Darcy flow, Knudsen flow, reservoir scale effects)
- Phase Behavior:(PVT for "liquids-rich" shale reservoirs, example fluids, role of traditional PVT relations)
- Reserves:(*Time-Rate* Analysis Models — Mod. Hyperbolic, Stretched/Power-Law Exp., Duong, LGM, Weibull)
- RTA: (*Time-Rate-Pressure* analysis methods for production data, flow diagnostics/analysis)
- PTA: (*Time-Pressure* analysis for pressure transient data, flow diagnostics, practical aspects)
- Production: (Issues in liquid loading, role of artificial lift, field practices/operations)
- Stimulation: (Current/expected practices, strategies, optimization)
- Modeling: (Modeling aspects for unconventionals, practices, implications of simplified modeling)
- Development:(Strategies for field development, well spacing, well placement, performance expectations)

The goal of this presentation is to frame the issues and challenges related to reservoir engineering aspects of unconventional reservoirs. The reality is that we are at the end of the beginning of our understanding of unconventional reservoirs, what we know and what we think we know will change.



About SPEE: http://www.spee.org SPEE was formed in 1962 as a professional, non-profit educational organization bringing together specialists in the evaluation of petroleum and natural gas properties. SPEE continues today to be strongly committed to providing educational and other services to its members and to the oil and gas industry, and to promoting the profession of petroleum evaluation engineering.

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