

**The Society of Petroleum Evaluation Engineers
SPEE Denver Chapter announces a bonus May Luncheon Meeting.**

(Members and Guests are cordially invited to attend.)

Thursday, May 15, 2014

Dr. Dilhan Ilk

Vice President and Reservoir Engineer, DeGolyer and MacNaughton in Dallas, Texas



Will be speaking on:

**Perspectives on Well Performance Analysis and Production Forecasting in
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

(Credit Card, Cash or Check made out to 'SPEE Denver Chapter')

Please RSVP by Noon Tuesday, May 13, 2014

RSVP Registration Options:

- 1.) RSVP by email to Andrew Forcina, SPEE Treasurer at denspee@yahoo.com to sign up and then pay by cash or check at the door. Please provide a name and company for each reservation. Checks should be made out to 'SPEE Denver Chapter'.**

OR

2.) RSVP and simultaneously pay by credit card online at

<https://secure.spee.org/civcrm/event/info?reset=1&id=46>. If this link does not work, alternatively go to www.spee.org then select 'Local Chapters', then 'Denver', then 'Click Here To Register'.

Abstract:

Perspectives on Well Performance Analysis and Production Forecasting in Unconventional Reservoirs

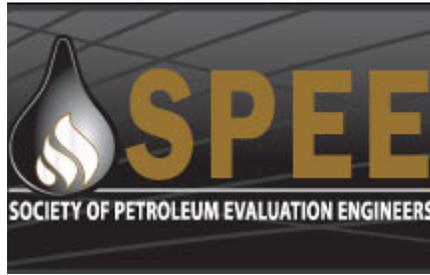
Production forecasting in unconventional reservoirs is a challenging task due to the low/ultra-low permeability nature of unconventional reservoirs as well as to the complexity (e.g., geology, pvt, etc.) associated with each play. As a result, the issues, related with uncertainty and non-uniqueness are the unavoidable facts that analysts are facing during analysis/forecasting of well performance in unconventional reservoirs. This presentation attempts to address the issues related with uncertainty and non-uniqueness in well performance analysis and forecasting by reviewing the workflows/procedures used in the evaluation process.

In his talk, Dilhan will provide a thorough review of the current well performance analysis practices in unconventional reservoirs. In particular, he will focus on the use of rate-time decline analysis, and model-based analysis to determine well/reservoir properties, to assess completion/stimulation effectiveness, and to estimate reserves in unconventional reservoirs. Dilhan will present detailed description of the methodologies used in well performance analysis in unconventional reservoirs. This description also includes an extensive evaluation of the diagnostic tools for assessing data viability, identifying production performance characteristics along with flow regime identification.

Speaker Bio.: Dr. Dilhan Ilk is a vice president and reservoir engineer at DeGolyer and MacNaughton in Dallas, Texas. He holds a B.Sc. degree from Istanbul Technical University, and both M.Sc. and Ph.D. degrees from Texas A&M University — all in Petroleum Engineering. Dr. Ilk joined DeGolyer and MacNaughton upon completing his graduate studies at Texas A&M University in August 2010.

Dr. Ilk's interests include analysis of well test and production data, reservoir engineering, and inverse problems. In particular, Dr. Ilk focuses on well performance analysis in unconventional reservoirs. Dr. Ilk has made several contributions to petroleum engineering literature, and to date, he has prepared more than 30 articles in well test analysis, analysis/interpretation of production data, general reservoir engineering (e.g., deconvolution, diagnosis of well performance, rate-time decline relations, field studies, and inflow performance relations). Dr. Ilk has also presented several industry short courses throughout North America and regularly serves in a leadership role at Society of Petroleum Engineers (SPE) forum series and workshops focused on unconventional reservoirs. He currently serves as a member of SPE Reservoir Description and Dynamics committee. Dr. Ilk is an active member of the Society of Petroleum Engineers (SPE), the Society of Exploration Geophysicists (SEG) and the Society for Industrial and Applied Mathematics (SIAM).

Chapter Officer's note: Dilhan has agreed to co-write a chapter in the upcoming SPEE Monograph 4. Olivier Houze of Kappa and Dilhan will pen the chapter on Analytical Models and Modern Performance Analysis (RTA). This chapter fits between the chapters on alternative decline analysis (think stretched exponential and Duong) and simulation.



About SPEE: <http://www.spee.org> SPEE was formed in 1962 as a professional, non-profit 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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