



Society of Petroleum Engineers

**NEW UPDATES!**

# SPE Liquids-Rich Basins Conference—North America

**11–12 September 2019**

**Odessa Marriott Hotel & Convention Center  
Odessa, Texas, USA**

[go.spe.org/19LRBCregister](http://go.spe.org/19LRBCregister)

## Conference Preview

**Register by 6 August to save with early-bird rates!**



## Pre and Post-Conference Training Courses\*

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### Shale PVT and Sampling

Tuesday, 10 September | 0800-1700

**Instructor:** Mathias Carlsen

The main objective of the course is to convey practical aspects of PVT and phase behavior relevant for tight unconventional.

### Basics of Artificial Lift Systems

Friday, 13 September | 0800-1700

**Instructor:** Hemanta Mukherjee

This course presents a complete overview of the most widely used artificial lift systems in the oil and gas industry.

\*Training courses are located at a different venue from the conference, at the Petroleum Professional Development Center (PPDC) of Midland College.

 Ticketed event

## Keynote Luncheon

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**Chuck Meloy**  
President and CEO,  
Endeavor Energy  
Resources

Thursday, 12 September | 1130-1300

Chuck Meloy joined Endeavor as President and Chief Executive Officer in February 2016. Prior to his employment with Endeavor, he was Executive Vice President of U.S. Onshore Exploration and Production with Anadarko Petroleum, until his retirement in 2015. Prior to Anadarko, he served as Vice President of Exploration and Production for Kerr-McGee. Chuck graduated from Texas A&M with a Bachelor of Science degree in Chemical Engineering in 1982.

Mr. Meloy has previously served as Board member for Western Gas Equity Partners, the Board of Directors of the Independent Producers of America Association, member of the API Upstream Committee and is an active Member of the Society of Petroleum Engineers and Texas Professional Engineers.

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Sign up for the conference by **6 August** and save USD 200. Book your hotel room by **29 August** to receive conference attendee rate. Visit [go.spe.org/19LRBregister](http://go.spe.org/19LRBregister) for more information.

Wednesday, 11 September

### 01 Fracture Driven Interactions

As infill wells are developed on pads or zones adjacent to existing producers, it's clear that wells interact. These interactions can have varying severity ranging from only minor pressure or fluid connectivity during completion to significant degradation in long-term well performance of both the original primary well and the new infill well. Characterizing interaction drivers and mitigating potential degradation are critical for optimal development. This panel session will bring together several industry experts to discuss current understanding, emerging technologies for new learnings, and methods for mitigating negative frac-hit interactions.

**Moderators:** Kyle Scott, Pioneer Natural Resources; Himanshu Kumar, BP

**Speakers:** Brendan Elliott, Devon Energy; Larrez Green, MDC Texas Energy; Brian Pownall, Newfield Energy; Mike Rainbolt, Abra Controls

### 02 Optimizing Hydraulic Fracturing

For the past few years, operators have had intense focus on investigating optimum stimulation design parameters for asset economics. Optimization efforts centered around the effects of the parent-child wells on the fracturing process in unconventional reservoirs, real-time decision-making, and cluster spacing are the key subjects to be discussed in this session.

**Session Chairpersons:** Michael Elliott, Pinnacle, a Halliburton Service; Curtis Caile, Raisa Energy

### 03 Improving Unconventional Well Forecasting

In relatively young development of horizontal wells in liquids rich unconventional, operators are challenged to predict long-term well performance for production growth forecasting and individual well economics for project justification. Production decline behavior and infill well performance impacts are key subjects that will be investigated in this session.

**Session Chairpersons:** Robert Reyes, Harmonia Petroleum; Kyle Scott, Pioneer Natural Resources

### 04 Panel on EOR in Unconventional Reservoirs: From Proof-of-Concept to the Field

This distinguished panel will feature three preeminent academics discussing their current efforts for improving oil recovery in unconventional reservoirs. Topics such as conceptual models, fundamental research, laboratory experiments, reservoir and process simulation, and field applications will be addressed.

**Moderators:** Johannes Alvarez, Chevron ETC; Ramin Dabirian, University of Tulsa

**Speakers:** Reza Barati, University of Kansas; David Schechter, Texas A&M University; James Sheng, Texas Tech University

## Technical Program

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Thursday, 12 September

### 05 Learnings from Integrated Modeling Efforts

The unconventional resources development was possible because of the advances in horizontal drilling and hydraulic fracturing. Over the last decade, we have seen a drastic improvement in integrated modeling techniques to answer questions such as optimum completion design, well spacing, and primary/infill scenarios. This session focuses on multi-domain integration that addresses some of those key challenges facing the oil and gas industry.

**Session Chairpersons:** Ramin Dabirian, University of Tulsa; Farhan Alimahomed, Schlumberger

### 06 Unconventional Well Water Production

Successful unconventional well production requires a fracture stimulation that involves large volumes of water. This session provides discussion of water transport during the frac stimulation and flow back and how they both have an effect on the productivity of the well.

**Session Chairpersons:** Victoria Qiu, Assured Testing Services; Paul Brown, Chevron

### 07 Well Spacing, Recovery, and EOR

This session will focus on the implications of well spacing for optimizing recovery in North American unconventional resources. This is realized through discussions applying multiple diagnostic techniques, lab testing, model, and production to understand the implications of well spacing recovery and dynamics of optimal well spacing for Huff and Puff EOR.

**Session Chairpersons:** Mark Chapman, RS Energy Group; Kahlil Bowen, Bedrock Energy Partners

### 08 Panel on Water Management

Water management is becoming a significant part of oil field development and the severity of the potential water disposal problems varies widely across the basins. This session will focus on the life-cycle of water in the oil field. Topics will include discussions around water sourcing, treatment, disposal, and recycling. Safe and responsible handling of water is seen as a key driver for industry's social license-to-operate and we will be hearing from some of the leaders in this area.

**Moderators:** Neha Bansal, Anadarko Petroleum; Curtis Caile, Raisa Energy

**Speakers:** Reese Martin, EOG Resources; Topher Small, Pioneer Natural Resources; Ben Warden, Diamondback Energy

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