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Mid-Continent Section

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Mid-Continent Section Monthly Newsletter

January 2015
Issue No. 409

SPE Mid-Continent Section

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IOR Symposium 2016:			
Michael Wiggins, Mid-Con Energy			
Young Professionals:			
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Sporting Clays Tournament:			
Mark Carr, Kaiser Francis	918-491-4369	918-491-4691	markc@kfoc.net

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Voting members consist of the Executive Committee. The Chairman only votes in the event of a tie. A Motion can be voted upon with a Quorum of the Voting Members present. A Quorum consists of five Voting Members present. An affirmative vote will consist of 51% of the Quorum present. Committee Chairmen and in their absence, the Committee Vice Chairmen are encouraged to attend board meetings and provide representation and committee reports. The editor welcomes newsworthy items about SPE members or events. Please provide a **draft to the newsletter editor by the 25th of the month.**

Change of address requests should be made to SPE in Richardson, TX, 800-456-6863.

Chairman's Gavel

Ashley Jorishie, 2014-2015 Mid-Continent Chairman

Happy New Year SPE Mid-Continent Section!!!

I hope everyone had a wonderful and safe holiday season. The Summit Club was packed again to see Mr. Chad Senters discussing his SPE paper 170923, Granite Wash Optimization – Validating Completion and Production Techniques. We have been so lucky this year to have such a high quality of presenters and variation of topics.

On January 14th we have the pleasure of having SPE Distinguished Lecturer Joseph Frantz Jr. talk about How Technology, Governments, Regulators, Academia, and the Public Have Changed the World's Energy Supply and Demand Equation. This talk will be given at the Summit Club. With oil prices what they are, I think this is the perfect time to discuss this topic.

Speaking of the Distinguished Lecturer Program, if anyone has someone in mind that they think would be a great candidate for the program, please visit the following website: http://www.spe.org/dl/nominations.php . Nominations are open from February 1 – March 15.

We've started YP Happy Hours on the third Thursday of every month, led by Mr. Charley Mathis. We will be alternating McNellie's locations in order to serve both sides of town. This month's HH will be at the McNellie's South location on January 22nd, from 5:30-7:00pm. Come, meet some new people, and have the first beverage on us!

We are continually looking for feedback or ideas for upcoming events, so please don't be afraid to shoot any of the board members an email! We are here to serve you!

Best Wishes in 2015,

Ashley Jorishie
2014-2015 Chairman
ashleyjorishie@gmail.com

YP Happy Hour

Join us for a Young Professionals Happy Hour
Thursday, January 22nd, 5:30-7:00pm
McNellie's, 71st & Yale
Contact Charley Mathis for more info, (**cmathis@cudd.com**).

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From Your Editor

Betty Felber, 2014-2015 Editor

Welcome to 2015. Hope you had a great holiday season.

These are interesting times we are living in with oil prices decreasing and takeovers looming for several of your companies.

Make the most of your training and networking opportunities by attending our luncheons. The next opportunity is January 14th at the Summit Club. Hope to see you there.

Your Editor,
Betty Felber

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BROWN & ASSOCIATES
Petroleum Engineers & Geologists

Calendar of Events

Wednesday, January 14, 2015 - Summit Club

- Luncheon Meeting, Joseph H. Frantz, Jr., Range Resources Corporation | *Distinguished Lecturer* |, "How Technology, Governments, Regulators, Academia, and the Public Have Changed the World's Energy Supply and Demand Equation"

Wednesday, February 18, 2015 - Summit Club

- Luncheon Meeting, Jerry Fritsch, Enventure Global Technology, "Avoid Oil Price Anxiety! Rx = Solid Expandables!"

Thursday, March 19, 2015 - Summit Club

- Luncheon Meeting, Sheri Bowman-Young, ESG Solutions, "HA Decade Monitoring Shale Gas Plays Using Microseismicity: Advances in the Understanding of Hydraulic Fracturing"

All SPE luncheons are held at the Summit Club unless otherwise noted - See p7 for more details.


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2014-2015 Membership News

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New/Transfers January 2015

Name	Company Name	Transfer From
Casey McDonough	American Energy Partners LP	Appalachian Section
Candice Miller	Newfield Exploration Company	Denver Section
Sy Do	MSI International	New



JANUARY 2015

WEDNESDAY, January 14, 2015 - Luncheon Meeting
Location: Summit Club, 30th Floor, Banquet Room
Speaker: Joseph H. Frantz, Jr., Range Resources Corporation |***Distinguished Lecturer***|
Topic: "How Technology, Governments, Regulators, Academia, and the Public Have Changed the World's Energy Supply and Demand Equation"

Register: **http://spemc011415.eventbrite.com**

Description
The global shale revolution is just beginning. Production from US shale reservoirs has increased from 2.5 Bcf/d to over 25 Bcf/d since 2007, illustrating the viability of this prolific new source of long-term gas supply. Other countries will undoubtedly use the knowledge developed in North America to jump-start their own shale plays. Although technical advancements are largely responsible for unlocking the potential of shale gas, the industry's coordination with a broad set of stakeholders arguably have equal, and perhaps more influence on implementation of new shale developments. As such, they will increasingly impact our industry's ability to more fully develop these resources. This presentation focuses on key technological advancements that drive shale gas development, but also the important aspect of how our industry is working with governments, regulators, academia, and the public more collaboratively to best maximize the immense benefits from this opportunity, while fostering the use of best practices.

Speaker
Joseph H. Frantz, Jr.



Joseph H. Frantz, Jr. is the VP of Engineering Technology with Range Resources Corporation. He started working on shale reservoirs in 1984 and has been involved with studies on many shale fields across the U.S. Joseph has worked in every facet of upstream development. He has authored or co-authored more than 40 publications and taught an industry school on Developing Shale Reservoirs. He has served on numerous Technical Committees within SPE, Chaired the Pittsburgh PA SPE Section, and Co-Chaired a Regional SPE Meeting. He earned a BSc in Petroleum and Natural Gas Engineering from Pennsylvania State University in 1981.

SPE Mid-Continent luncheon meetings are held at various loactions around the Tulsa area. Please see the location details for each meeting. Summit Club is located at 15 West Sixth Street (NE corner of 6th & Boulder)

SPE Mid-Continent luncheon meetings are held from 11:20-1:00 p.m. unless otherwise noted. To register and pay by credit card, or for reservations to pay at the meeting by cash or check, go to the corresponding link for a luncheon. Luncheon cost is $25.00. Payment by credit card is for advanced registrations ONLY, no credit cards will be accepted at the meeting. Credit card sales will stop one hour prior to the meeting.

FEBRUARY 2015

WEDNESDAY, February 18, 2015 - Luncheon Meeting
Location: Summit Club, 30th Floor, Banquet Room
Speaker: Jerry Fritsch, Enventure Global Technology
Topic: " Avoid Oil Price Anxiety! Rx = Solid Expandables!"

Register: **http://spemc021815.eventbrite.com**

Description

You may not be able to control the price of crude oil or natural gas, but you can influence the efficiency by which you find and produce reserves. Given market conditions many of you are likely evaluating well remediation projects. This talk will focus on ways to maximize your production by utilizing solid expandables. Using existing infrastructure has long been recognized as a best practice - by the way - existing infrastructure includes those existing wellbores. Solid expandables have been used by operators to maximize value for over 15 years - it's all about maximizing ID at TD. Two specific applications of solid expandables, sidetracking and recompletions, presently are maximizing value in an environment where margins have changed significantly. Together we'll look at how well construction that "plans in" solid expandables are maximizing value for the operator. Let's maximize your production.

Speaker

Jerry Fritsch

Jerry Fritsch is the Global Drilling Solutions Manager at Enventure Global Technology. He has over 40 years of engineering, operations and management experience; he started his career with ConocoPhillips, where he worked for 30 years. Jerry has been in the service sector since 2005, when he joined Enventure. With a career focused on wellbore construction, he has published numerous trade journal articles and has presented at international conferences. He is a member of the Society of Petroleum Engineers and earned a BSc in Mechanical Engineering from LeTourneau University.

MARCH 2015

THURSDAY, March 19, 2015 - Luncheon Meeting
Location: Summit Club, 30th Floor, Banquet Room
Speaker: Sheri Bowman-Young, ESG Solutions
Topic: "A Decade Monitoring Shale Gas Plays Using Microseismicity: Advances in the Understanding of Hydraulic Fracturing"

Register: **http://spemc031915.eventbrite.com**

Description
Over the past decade, microseismic monitoring has become the most widely used approach to understand of in-situ reservoir behavior during hydraulic fracture stimulations. From early monitoring performed in the Barnett Shale to current programs in the Horn River and Marcellus formations, we review the evolution of microseismic monitoring from the viewpoint of data collection (single versus multi-well array configurations, use of long lateral stimulation wells), data analysis and the incorporation of microseismic parameters to constrain and validate reservoir models.

We conclude with a look at multi-array microseismic results from hydraulic fracture stimulations of various North American shale plays to illustrate how microseismic analysis has aided in the understanding of reservoir characteristics and in turn, helped to plan more effective stimulation programs. We highlight case studies where microseismic monitoring was used to help assess fracture dimensions, stage spacing and well spacing. In addition, we look at how the use of advanced analysis techniques such as seismic moment tensor inversion (SMTI) has helped propel the industry forward and allowed operators to gain a better estimate of the stimulated reservoir volume, the discrete fracture network and the effective fluid flow by understanding details on individual rupture mechanisms and how these mechanisms change depending on treatment program, local stresses and local geology.

Speaker
Sheri Bowman-Young
Sheri Bowman-Young is an engineer and senior level manager with ESG's global energy services division, where she oversees all analysis, interpretation and reporting for microseismic projects related to hydraulic fracture mapping and reservoir monitoring. Sheri joined ESG in 2007 as a geophysicist and has since held positions of Geophysical Analyst, Project Manager and Manager of Data Services. Sheri has played an integral role in the growth of ESG's FRACMAP services, leading efforts to better understand microsiesmic data beyond traditional event location while educating operators on the additional value that can be extracted from microseismic datasets. Sheri is a registered professional engineer (P.Eng.) and a member of the SPE and SEG. She holds dual degrees from Queen's University in Kingston, Ontario in Applied Math & Mechanical Engineering and Geological Sciences and has authored or presented over 20 papers on microseismic monitoring.



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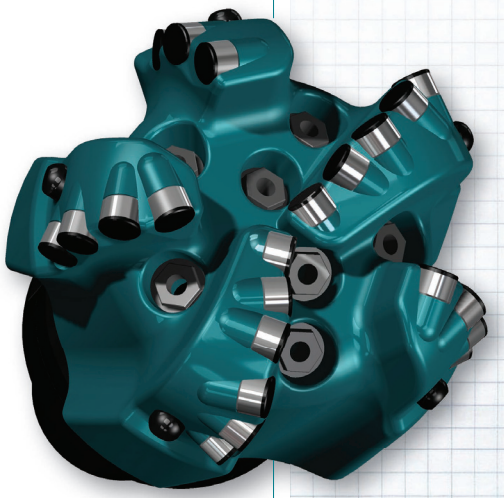

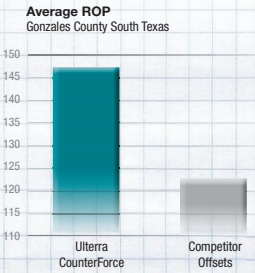

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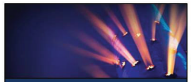
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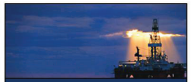
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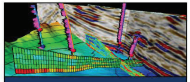
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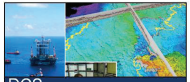
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Society of Petroleum Engineers

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– Roger Babson, Stock Investor and Founder Babson College

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