

# SPE Mid-Continent Section Newsletter

March 2017 | Issue No. 429



# SPE Mid-Continent Section

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<b>IOR Symposium 2018:</b> Lance Cole, SEG		lance.cole@cox.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 contact information requests should be made to SPE in Richardson, TX, 1-800-456-6863, or [service@spe.org](mailto:service@spe.org).

# Chairman's Gavel

Molly Boyd, 2016-2017 Chairman

I'm writing this column tonight from a hotel room in Dallas, hoping that the networking event that the University of Tulsa student chapter organized was well attended and beneficial for all who made the effort to attend, network, listen and learn. The topic was "Career Success in Any Environment (Even Low Prices)". It sounds pretty applicable and all of us benefit from good contacts and good advice. If, like me, you were unable to attend the event this evening, I hope you'll clear your schedules for our next luncheon on March 23rd. Take a look in the newsletter for more information on the luncheon and please help all of us out with planning by pre-registering.

I did see a good number of you – seventy-eight, I think - at the luncheon on February 17th, when Ian Walton, an SPE Distinguished Lecturer with some Tulsa roots helped us better understand the role of natural fractures in shale gas production. I heard some very positive feedback after his talk and several wanted to go back to the office and look at their production data a little differently based on what Ian taught us. So, as I mentioned last month, please take the time to evaluate Ian's presentation. It does not take long (about 5 minutes), and the investment of your time is helpful for everyone. Find your SPE member number and head to the following site: [www.spe.org/dl/contest.php](http://www.spe.org/dl/contest.php) to complete the evaluation. This will be an encouragement to Ian and it lets the SPE group know what you find valuable. Remember, the speakers are volunteers – taking 5 minutes to provide some feedback is an excellent way to thank them for their service to SPE.

I am looking forward to seeing many of you on March 23rd.

Until then,

Molly Boyd

2016-2017 Chairman

[molly\\_m\\_boyd@yahoo.com](mailto:molly_m_boyd@yahoo.com)

## A FREE SERVICE FOR MID-CONTINENT SECTION MEMBERS AND THEIR EMPLOYERS

SPE is offering a free service to section members and their employers for the posting of jobs offered by employers (please, no third party recruiters) seeking to hire SPE members and for members seeking employment. Unless otherwise arranged, ads will stay on the website for one calendar month. To view available jobs go to the section website [www.spemc.org](http://www.spemc.org) and select Help Wanted/Situation Wanted. To submit an ad (120 words or less, please) e-mail [spemc@spemc.org](mailto:spemc@spemc.org) for consideration.

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### 60% Pass 2016 Petroleum PE Exam

NCEES and the State Engineering Boards released their 2016 Professional Engineering Exam results. Nationwide, the Petroleum Engineering Exam recorded a 60% pass rate. The Petroleum first time takers passed at a 66% rate. The pass rates for a few other engineering disciplines were:

Chemical	64%	Agricultural	71%
Civil	62%	Fire Protection	55%
Electrical	58%	Industrial	67%
Environmental	54%	Metallurgical	65%
Mechanical	69%	Mining	58%
Nuclear	71%	Control Systems	73%

The Petroleum pass rates in 2016 for a few states:

Alaska (4/5)	80%	Louisiana (9/15)	60%
California (0/3)	0%	Oklahoma (14/17)	82%
Colorado (4/5)	80%	Texas (92/158)	58%

What are the requirements to take the Petroleum PE Exam? Today, Oklahoma requires that you have:

1. An engineering, math or science degree.
2. Passed the Fundamentals, or FE Exam.
3. At least four years of professional experience.

Interested? Contact the Oklahoma State Engineering Board at (405) 521-2874 for application forms. State web sites are also available at: [www.ncees.org/licensure/licensing\\_boards](http://www.ncees.org/licensure/licensing_boards). The Oklahoma application deadline to take this years PE Exam is June 1, 2017. This year's exam will be given on Friday, October 27, 2017

### Petroleum PE Review Course

Winrock Engineering, Inc. is offering a Petroleum PE Review Course in Oklahoma City from August 7 through August 11, 2017.

For more information, contact:

Winrock Engineering, Inc.

P. O. Box 42296

Oklahoma City, Ok, 73123

Web Site: [Winrockengineering.com](http://Winrockengineering.com)

Phone: (405) 822-6761

E Mail: [bingwines@cox.net](mailto:bingwines@cox.net)

# From Your Editor

Betty Felber, 2016-2017 Editor

March is here already. I don't know about you but our crocuses have completed their blooming cycle and our daffodils are opening up. Seems everything is about a month earlier than normal.

We have only two more months remaining for this group of officers as our leaders. Come support them and our section at the March 23rd luncheon. It should be very informative.

A notice of our 100th Anniversary meeting is included in this Newsletter. Thanks to Buck Walsh and his committee for all their planning for this very special event. SPE International has informed us that they too are planning special events to celebrate our 100th year. They will be held during the 2017 ACTE in October.

Betty Felber  
Editor



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## Calendar of Events

### Thursday, March 23, 2017 - Luncheon Meeting - Summit Club

- Steve Jones, Cimarex Energy Co., "Producing Gas-Oil Ratio Behavior of Multi-Fractured Horizontal Wells in Tight Oil Reservoirs"

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



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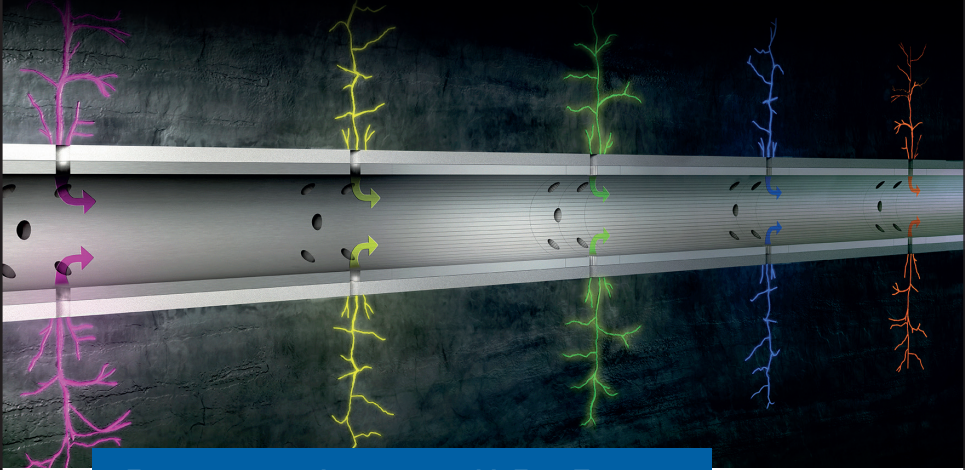
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### MARCH 2017

**FRIDAY, March 23, 2017** - Luncheon Meeting

**Location:** Summit Club, 30th Floor, Banquet Room

**Speaker:** Steve Jones, Cimarex Energy Co.

**Topic:** "Producing Gas-Oil Ratio Behavior of Multi-Fractured Horizontal Wells in Tight Oil Reservoirs"

**Register:** <http://spemc032317.eventbrite.com>

#### Description

Why is the GOR behaving that way? What is it telling me about the reservoir, or the completion? Why is this well different from that one? Are we pulling the well too hard?

The nature of linear flow into fractures in tight rock causes the GOR to behave much differently than in conventional reservoirs. The GOR may rise rapidly when the flowing bottomhole pressure falls below the bubble point; a GOR plateau may occur during a long transient flow period; and when boundary-dominated flow is underway, the GOR rises continuously. We will look at field examples from the STACK and SCOOP plays including Meramec, Woodford, and Springer Shale. Using reservoir simulation, we explain the reasons for a wide range of GOR behavior. Then we'll cover some practical tools to help you recognize which stage of GOR performance your well is in, and the implications for forecasting production and estimating drainage volume. The presentation is based on SPE 184397, which was recently published in SPE Reservoir Evaluation and Engineering.

#### Speaker

##### Steve Jones

R. Steven Jones Jr. is a Reservoir Engineering Advisor at Cimarex Energy Co. in Tulsa. Previously he was with Newfield Exploration Company, where the work in this presentation was done. He is focused on the reservoir aspects of appraising and optimizing unconventional resource plays. Projects have included well spacing, horizontal well targeting, completion optimization, and flowback analysis. He holds a BS degree from the University of Tulsa, and an MS degree from the University of Texas, both in petroleum engineering. He is a member of SPE and AAPG, and is a registered professional engineer in Oklahoma.

SPE Mid-Continent luncheon meetings are held at various locations around the Tulsa area. Please see the location details for each meeting. The 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, go to the corresponding link for a luncheon. Luncheon cost is \$20.00 (plus fees) early bird, \$30.00 (plus fees) late, or at the door. Payment by credit card is for advanced registrations ONLY, no credit cards will be accepted at the meeting, only check or cash. Credit card sales will stop one hour prior to the meeting.

## *SPE Mid-Continent Section - 100 Years*

In October of 2017, the Mid-Continent Section of the Society of Petroleum Engineers will be celebrating its' 100-year anniversary. The Mid-Continent Section of the SPE, formed on December 28, 1917, was the fifteenth local section of the AIME, and until 1935, the only section with a predominantly petroleum membership. The Mid-Continent Section was formed at a time when the Oil and Gas Committee (approved in 1913) was the only petroleum representation in the AIME – the Petroleum Division was not founded until 1922.

The 100-year celebration will be held at the Gilcrease Museum in Tulsa, Oklahoma on October 26th, 2017. In order to minimize the cost of the event to the members, we are reaching out to operators and service companies in our industry to help fund the event. Please consider sponsoring the event. In return for a \$3000 sponsorship, your company will receive 6 tickets to the event, recognition in the video covering our history, in the PowerPoint presentation during the event, in the program, and in the JPT..

One other item. We are in the process of making a video about the history of the SPE Mid-Continent. The golf and sporting clays events have been going for many years but unfortunately, we have very few photos. If any of you have photos you would like to submit for review, please feel free to send them to me.

Thank you for your support of the SPE Mid-Continent Section. We look forward to hearing from you.

Mark Carr

[markc@kfoc.net](mailto:markc@kfoc.net)

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— **Colin Powell**

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