SPE Mid-Continent Section Newsletter

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SPE Mid-Continent Section

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Open		
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Nathan Nitchals, ENVENTURE	918-856-1091	nathan.nitchals@enventuregt.com
Sporting Clays Tournament:		
Mark Carr, Kaiser Francis	918-491-4369	markc@kfoc.net

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.

Chairman's Gavel

Victor Jordan, 2015-2016 Mid-Continent Chairman

Greetings,

April's luncheon was another hit as Dr. Holden Zhang of TU presented his study on "Gas Lift Instabilities and Related Phenomena." His presentation offered very informative insight into the various flow effects associated with gas lift as well as a preview of a new gas lift mandrel he has developed. Please join us for our final luncheon of the Spring Semester which will be held Wednesday, May 11th at the Summit Club. Carolina Vasconcelos Barreto will give her presentation titled "Effect of Foamer Delivery Location on Foam Lift in Horizontal Wells."

The 2016 IOR Conference concluded 3 weeks ago and was a success. The event had over 600 attendees from around the world. Thanks to the IOR team, the MIDCON SPE Chapter will continue its strong scholarship campaign for the 2016-17 academic year. The SPE MIDCON Chapter is extremely grateful to all of those who volunteer their time as members of the IOR Committee as well as the sponsors of the event.

Please stay tuned for the next YPE Happy Hour. We are looking to have it within the next two weeks.

It is election time and no I am not talking about the upcoming Trump vs Clinton battle. I am talking about the upcoming 2016-17 SPE MIDCON Officers and Directors election. If you or someone you know would like to get involved with the SPE MIDON Chapter then please email me at **fvictorjordan@gmail.com**.

As the SPE year winds down, so does my reign as Chairman. I am very thankful to have had the opportunity to serve on the SPE MIDCON Board. I have had the pleasure of working with some great people during my involvement with SPE and I am very thankful for all of their help. I look forward to continuing to be an active member of this Chapter.

Geaux Tigers,
Victor Jordan
2015-2016 Chairman
fvictorjordan@gmail.com

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SPE MID-CONTINENT SECTION NOMINATIONS REQUEST 2016-2017 OFFICERS AND DIRECTORS ELECTION

The SPE Mid-Continent Section is requesting nominations for the upcoming 2016-2017 Officers and Directors Election. Nominations can be given for the following office and director positions (a brief overview of each can be viewed on the Section website at **www.spemc.org**):

1. Five Directors (5 positions to be selected with the most votes)
2. Chairman
3. Vice Chairman/Programs Chair
4. Secretary
5. Treasurer

Email your nominations with contact information to Victor Jordan (**fvictorjordan@gmail.com**). Nominations close at the end of the business day Friday, May 20, 2016.

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** and select Help Wanted/Situation Wanted. To submit an ad (120 words or less, please) e-mail **spemc@spemc.org** for consideration.

From Your Editor

Betty Felber, 2015-2016 Editor

May is the last month for our meetings with our current officers. Thanks to all of them for working hard. It has been an interesting, busy year. It is now time to elect a new slate of officers. I urge you to vote then give them your support and vow to become more active in our section.

This year our section hosted the 20th IOR Conference. It was an unexpected success considering the oil price. Thanks to all the committee members who gave their time to assure that our scholarship students would continue to be funded. During the IOR we also had a visit by Janeen Judah, the SPEI President Elect.

Have a great summer off and I'll see you in September.

Your Editor,
Betty Felber



Calendar of Events

Wednesday, May 11, 2016 - Luncheon Meeting

- Carolina Vasconcelos Barreto, The University of Tulsa ""Effect of Foamer Delivery Location on Foam Lift in Horizontal Wells," Summit Club, 30th Floor, Banquet Room

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

54% Pass 2015 Petroleum PE Exam

NCEES and the State Engineering Boards released their 2015 Professional Engineering Exam results. Nationwide, the Petroleum Engineering Exam recorded a 54% pass rate. The Petroleum first time takers passed at a 61% rate. The pass rates for a few other engineering disciplines were:

Chemical	**67%**	**Agricultural**	**71%**
Civil	**58%**	**Fire Protection**	**51%**
Electrical	**52%**	**Industrial**	**67%**
Environmental	**56%**	**Metallurgical**	**74%**
Mechanical	**67%**	**Mining**	**68%**
Nuclear	**42%**	**Control Systems**	**66%**

The Petroleum pass rates in 2015 for a few states:

Alaska	**80%**	**Louisiana**	**64%**
California	**60%**	**Oklahoma**	**80%**
Colorado	**78%**	**Texas**	**49%**

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

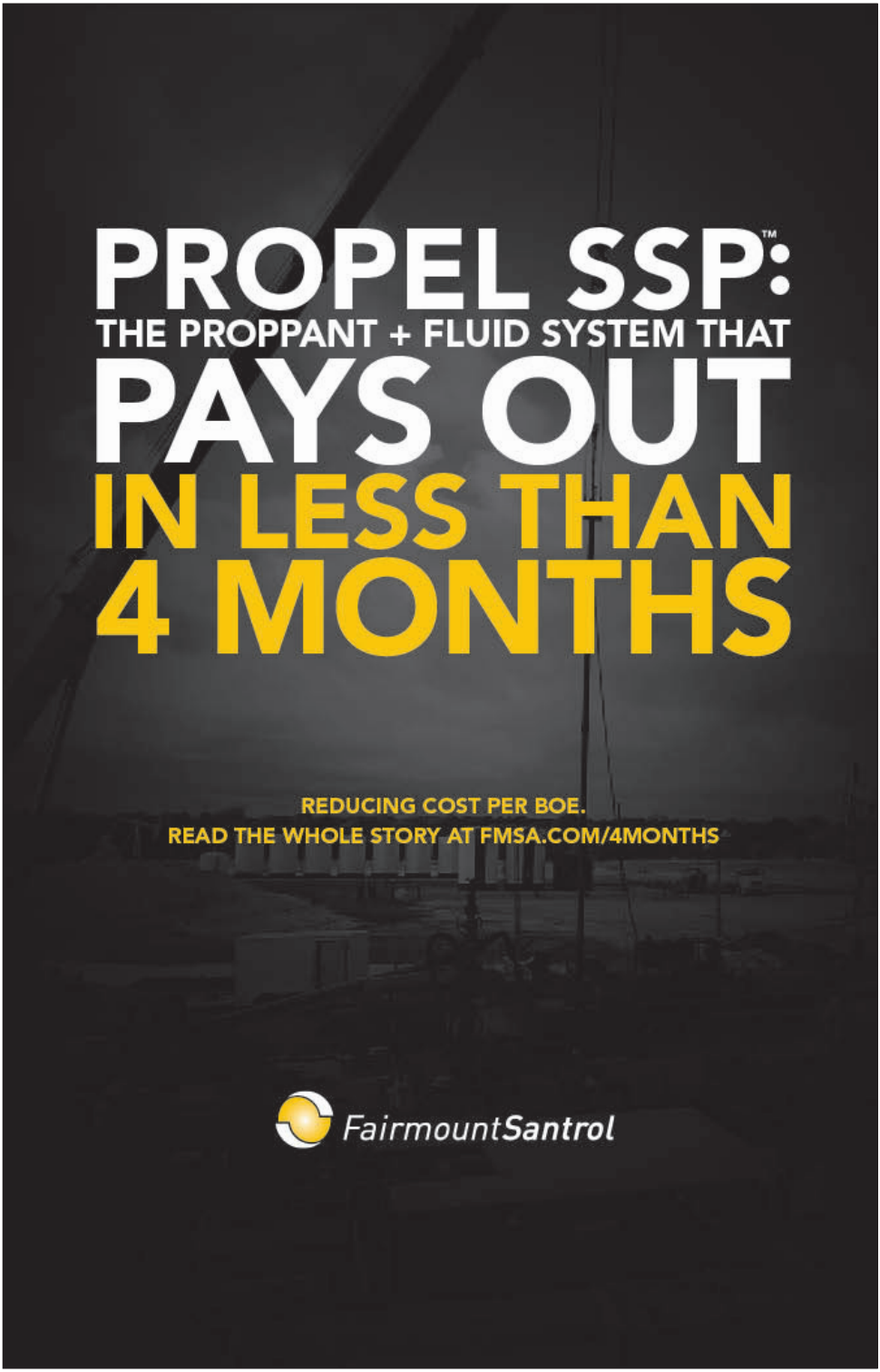
1. **An engineering, math or science degree.**
2. **Passed the Fundamentals, or FE Exam.**
3. **At least four years of professional experience.**

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. The Oklahoma application deadline to take this years PE Exam is June 1, 2016. This year's test will be given on Friday, October 28, 2016.

Petroleum PE Review Course

Winrock Engineering, Inc. is offering a Petroleum PE Review Course in Oklahoma City from August 15 through August 19, 2016. For more information, contact:

Winrock Engineering, Inc.
P. O. Box 42296
Oklahoma City, Ok, 73123
Web Site: Winrockengineering.com
Phone: (405) 822-6761 **E Mail: bingwines@cox.net**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MAY 2016

WEDNESDAY, May 11, 2016 - Luncheon Meeting
Location: Summit Club, 30th Floor, Banquet Room
Speaker: Carolina Vasconcelos Barreto, The University of Tulsa
Topic: "Effect of Foamer Delivery Location on Foam Lift in Horizontal Wells

Register: **http://spemc051116.eventbrite.com**

Description
Liquid loading or well deliquification inability is a common production issue. One of the methods to unload liquid from gas wells is foam-assisted lift. In this method, surfactants or foamers reduce the liquid surface tension, and consequently mixture density and gas slippage. This study is an effort to determine the optimum surfactant delivery location in deviated wells.

The experimental study is performed in a 2-in facility, consisting of a 64-ft lateral section in hilly-terrain (sump) and toe-up geometries, with ±1° inclination, followed by a 41-ft vertical section. Water and compressed air are the liquid and gas phases, and an anionic surfactant with fixed concentration is applied continuously. Four injection points are tested as the surfactant delivery locations. They are at the riser base, sump, and beginning of the lateral section without or with a static mixer, used as an additional source of agitation. Recorded parameters are flow pattern, pressure gradient, liquid holdup, and foam quality.

The number of experimental studies investigating foam effects on liquid loading is limited. The results of this study provide a source to optimize foam lift in deviated wells.

Speaker
Carolina Vasconcelos Barreto
Carolina Vasconcelos Barreto received her B.S. in Chemical Engineering from Universidade Federal do Rio de Janeiro (UFRJ), Brazil. During her studies, Carolina had the opportunity to do an internship as a process engineer in a Brazilian engineering company, Promon Engenharia, where she worked as an engineer for 4 years after she graduated. Her work consisted mainly in the elaboration of engineering and safety documents, such as data sheets, process flow diagrams and process and instru-

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.

mentation diagrams and equipment calculation sheets. Several of the projects she worked on were for the biggest Oil & Gas Company in Brazil, Petrobras.

The interest in the interface between chemical and petroleum engineering drove Carolina to pursue a Master's Degree in Petroleum Engineering. After being awarded the Brazilian Scientific Mobility Program scholarship, Carolina is pursuing her M.S. in Petroleum Engineering at The University of Tulsa (TU), where she is currently working for TU Horizontal Well Artificial Lift Projects (TUHWALP). Her M.S. thesis is focused on an experimental analysis of foam lift in horizontal wells.

Member Appreciation Day

WHO: Full time SPE Mid-Continent members and their families

WHAT: Tulsa Drillers (affiliate of the Los Angeles Dodgers) vs. Corpus Christi (affiliate of the Houston Astros)

WHERE: ONEOK Field, (201 N. Elgin Avenue Tulsa, Oklahoma 74120), Margaritaville Deck (please enter at the Arvest Entrance at the corner of Elgin Ave and Brady St.)

WHEN: Sunday, July 10, 2016

RSVP: **spemcmbrday16.eventbrite.com**

Mark your calendars for Sunday afternoon, the 10th of July, 2016, as our Tulsa Drillers take on Corpus Christi at 1:05 PM. All full time Mid-Continent members and their families are cordially invited.

Let us once again demonstrate to our wonderful and loyal members just how appreciative we are of your continuous support. Gates open at 12:00 PM, BBQ lunch from 12:00-2:00 PM, game starts at 1:05 PM.



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"Do not go where the path may lead, go instead where there is no path and leave a trail."

– **Ralph Waldo Emerson**

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