

SPE Mid-Continent Section Newsletter

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Mid-Continent Section



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SPE Mid-Continent Section

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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.

Chairman's Gavel

Nathan Buchanan, 2017-2018 Chairman

The holiday season is fast approaching, and we are about to wind up our section's fall program. Our final luncheon of 2017 will be held Wednesday, December 6. Our speaker will be Mark Kirk with the Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors; his topic will be "Rules of Professional Ethical Conduct". Our first luncheon in 2018 will take place January 17—the speaker will be Chad Senters with Core Laboratories, and his talk is titled "Diversion - Be Careful What You Ask For". I will look forward to seeing you at the upcoming meetings.

Our last luncheon was held November 15; Robert Lestz (an SPE Distinguished Lecturer) gave a great talk on hydraulic fracturing with LPG. We had 48 members attend that meeting. I'd like to thank Robert for making the trip up to Tulsa from Houston, and I would like to encourage everyone who attended to go to SPE's website and complete the DL feedback form.

Several weeks ago, we polled SPEMC membership about what potential continuing education topics would be of interest. Our continuing education chairman, Dwight Rychel, is working on scheduling a couple of short courses in the coming months based on the results of that survey. Please stay tuned: we will let you know about the upcoming continuing education offerings both in email announcements and in the newsletter. We will also post them on our section's website.

Merry Christmas to all of you.

Nathan Buchanan
2017-2018 Chairman
nsbuchanan@gmail.com



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OILFIELD WATER MANAGEMENT ONLINE COURSES!

1. OILFIELD WATER PROCESSING & RECYCLING



This four-hour online course, with seven modules, introduces equipment and processes used to clean oilfield produced and frac water. Limitations imposed by salinity, regulations, economics, and need to dispose of waste products are considered. Ties together information usually presented as bits and pieces.

[Water Processing & Recycling](https://goo.gl/NxDhqb) - <https://goo.gl/NxDhqb> - \$150

2. CLASS II UIC DISPOSAL WELLS

25-minute online primer on operations and permitting of Underground Injection Control (UIC) wells for injection of oilfield wastewater, featuring examples from Oklahoma, Colorado, California, & North Dakota.

[Two Minute Sample of UIC Injection Class](https://goo.gl/NfU7v4) - <https://goo.gl/NfU7v4> - Free

[UIC Injection Wells](https://goo.gl/mECxxC) - <https://goo.gl/mECxxC> - \$25



3. NPDES DISCHARGE TO STREAMS & RIVERS

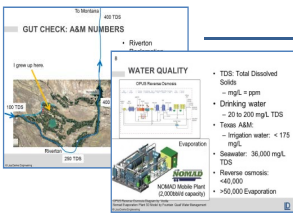
In some cases, it is possible to get a permit to discharge oilfield water to streams and rivers. Learn whether this is practical for your operation, and what the permit requirements are, from this concise 30-minute class.

[NPDES Discharge to Streams & Rivers](https://goo.gl/HAjfsu) - <https://goo.gl/HAjfsu> - \$30

[Surface Discharge - 3 Minute Sample](https://goo.gl/Gajz5J) - <https://goo.gl/Gajz5J> - Free

[8 Minute Free Backgrounder on Frac Flowback](https://goo.gl/f7ykpY) - <https://goo.gl/f7ykpY>

INSTRUCTOR



Lisa Denke, P.E., has done both surface and subsurface work, and as well as academic research on the Pavillion, Wyoming groundwater contamination. Since you can never know it all, she seeks out information from Subject Matter Experts to get a perspective from different areas around the US and Canada. She teaches live classes through EUCI.

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From Your Editor

Betty Felber, 2017-2018 Editor

In December we have one luncheon meeting so if you miss it that is it for our 2017 meetings! It is at the Summit Club on December 6th. Plenty of time to attend the luncheon and still enjoy all the other activities that pop up on your schedule. See you on the 6th.

Thanks to Mark Carr, the sporting clays tournament chair, and the other members who assisted him by offering your time and talents to support our section. We are richer for all your work. We appreciate your efforts. Thanks to all of you for participating in the Sporting Clays. Congratulations on this successful endeavor.

Have a great holiday season. I wish you the best and may your New Year be great.

Betty Felber
Editor

Calendar of Events

Wednesday, January 17, 2018 - Luncheon Meeting - Summit Club

- Chad Senters, Core Laboratories "Diversion - Be Careful What You Ask For"

Wednesday, February 7, 2018 - Luncheon Meeting - Summit Club

- Lloyd Hetrick, Newfield *****SAVE THE DATE*****

Tuesday, March 6, 2018 - Luncheon Meeting - Summit Club

- Jeremy Boak, OGS *****SAVE THE DATE*****

April 14-18, 2018, SPE Improved Oil Recovery Conference - Tulsa

- Short Courses Sat. 14th - Sun. 15th, Technical Program Sessions, Mon. 16th - Wed. 18th -
Register Now at www.speior.org.

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

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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.

SPE Regional Awards 2017-2018

Nominate a Colleague Today

Applaud excellence in the E&P industry by nominating a colleague for an annual award given by the Society of Petroleum Engineers.


SPE Awards recognize expertise and contributions to the upstream oil and gas industry. The 2018 SPE Awards will be presented at the international and regional levels for:

- Technical contributions
- Professional excellence
- Career achievement
- Service to colleagues
- Industry leadership
- Public service

New this year is the Regional Public Service Award—In 2018 SPE will also recognize distinguished public service of members at the regional level. Learn more at www.spe.org/awards/regional-public-service-award.php.


Do you know someone who deserves recognition for outstanding work in the E&P industry?

For more details or to nominate a colleague, go to www.spe.org/awards. Regional Award Deadline is March 1, 2018



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HEXION

JANUARY 2018

WEDNESDAY, January 17, 2018 - Luncheon Meeting

Location: Summit Club, Ballroom

Speaker: Chad Senters, Core Laboratories

Topic: "Diversion - Be Careful What You Ask For"

Register: <https://spemc011718.eventbrite.com>

Description

Success of a fracture stimulation treatment depends upon complete coverage of all targeted intervals. Diversion techniques are being applied in new well completions to achieve greater cluster treatment efficiency and to access additional rock. The objective of this study is to characterize diversion and to utilize near-wellbore diagnostics to determine the effectiveness of diversion. Multiple basins are included in this study, incorporating a variety of drilling and completion practices.

Proppant tracing and temperature logging provide near-wellbore diagnostics to evaluate the new rock contacted as a result of diversion. Tracers injected during the treatment at various intervals before and after diversion can be used to determine cluster efficiency as well as the overall changes to a stage as a result of the diversion. Temperature logging is used to determine cooling effects of the treatment and is correlated back to the near-wellbore proppant coverage. The combination of multiple diagnostics provides additional confirmation of the treatment coverage or in some cases the lack thereof.

The results of this study show examples of both effective and ineffective diversion. Effective near-wellbore diversion is defined as diversion that results in accessing clusters that were previously not stimulated or under-stimulated. In many cases the surface treating pressure response due to diversion does not correlate to its effectiveness. Optimizing the design and deployment of the diversion process often results in improvement of treatment effectiveness. The results of this study are grouped by Anadarko Basin, Permian Basin, Eagle Ford, and Williston Basin and show the effectiveness of a variety of diversion techniques.

Through a combination of diagnostic techniques, diversion is evaluated on new well completions. Over 30 wells are included in this study across multiple basins. The overall stage coverage is evaluated along with the effectiveness of near-wellbore diversion to achieve this coverage. These learnings can be applied to optimize diversion designs for future wells in these and other basins.

SPE Mid-Continent luncheon meetings are held at the Summit Club** in Tulsa from 11:20-1:00 p.m. unless otherwise noted. SPE Mid-Continent luncheon meetings are held at the Summit Club in Tulsa. To register and pay by credit card, or make a reservation to pay by check or cash at the door, go to the corresponding link for a luncheon. Luncheon cost is \$25.00 professional, \$10 retired/unemployed, and free for students (limited seating available). Payment by credit card is for advanced registrations ONLY, no credit cards will be accepted at the meeting, only check or cash with a reservation. Registration ends 48 hours prior to the luncheon date. No walk-ins please.

**Summit Club | Bank of America Center, 15 West Sixth Street (NE corner of 6th & Boulder) | Tulsa, OK 74119 | 918.582.5243 | Parking details are available at www.summittulsa.com/club/parking.

Speaker

Chad Senters

Chad Senters is the Region Engineering Advisor for the ProTechnics division of Core Laboratories specializing in completion diagnostics. Chad has over 12 years of experience in the oil and gas industry including stimulation, coiled tubing and downhole tools in addition to completion diagnostics. Chad is a graduate of the Missouri University of Science and Technology (formerly the University of Missouri Rolla) with a BS in Chemical Engineering. Senters is an active member of the Society of Petroleum Engineers (SPE) and has held section officer positions and published and presented numerous papers at major industry conferences and workshops. Chad is currently the SPE Oklahoma City Section Chairman and is a recent recipient of the SPE Young Member Outstanding Service award for the Mid-Continent region.

FEBRUARY 2018 *SAVE THE DATE*

WEDNESDAY, February 7, 2018 - Luncheon Meeting

Location: Summit Club, Ballroom

Speaker: Lloyd Hetrick, Newfield

Topic: "TBA"

MARCH 2018 *SAVE THE DATE*

TUESDAY, March 6, 2018 - Luncheon Meeting

Location: Summit Club, Ballroom

Speaker: Jeremy Boak, OGS

Topic: "TBA"

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