

SPE Mid-Continent Section Newsletter

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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

Hap Pinkerton, 2018-2019 Chairman

The holiday season is in full swing. The holiday of Thanksgiving is behind us, but the weight I gained is in front of me as is my plan to lose it over the coming months. I hope that each of you had time away with family and I encourage you to carry an attitude of thanksgiving throughout the year. Each of us has a lot to be thankful for and we need to take a little time each day to remember.

Our last luncheon meeting of 2018 is tomorrow and features Natalie Eglinton with Covia Holdings Corporation discussing "White Sand & Regional Sand Differences from a Conductivity Perspective." Hope you already have your spot reserved. If you missed out on tomorrow's luncheon, go ahead and grab your ticket for our first meeting of 2019 on January 14th where Distinguished Lecturer Charles Pope will discuss methodologies to reduce cost overruns associated with coiled tubing operations. Register at: <https://spemc011419.eventbrite.com>.

As always, we would love to hear your feedback on our luncheon topics and hear any ideas you may have for future luncheons. If there are any topics you would like to have addressed at future meetings, please send Brad or myself an email. The board has also been hard at work on an update to our bylaws. We hope to have this completed very soon. Be looking for communication in December with details on the revision and please take some time to review. We plan to request your approval on the revised bylaws at the luncheon meeting on January 14th.

Merry Christmas to all.

Hap Pinkerton
2018-2019 Chairman
Hap.Pinkerton@Halliburton.com

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From Your Editor

Betty Felber, 2018-2019 Editor

Well, here it is—December and all the activities that occur during this season. Maybe we could slow down just a little this month. Try to squeeze some time in for our December luncheon meeting on the 5th. Hopefully attending our meeting won't increase your stress too much.

If you miss the December 5th luncheon, you will have to wait until January 14th of 2019 to attend the next one.

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

Betty Felber
Editor

Calendar of Events

Wednesday, December 5, 2018 - Luncheon Meeting - Summit Club

- Natalie Eglinton, Covia Holdings Corporation "White Sand & Regional Sand Differences from Conductivity Perspective"

Monday, January 14, 2019 - Luncheon Meeting - Summit Club

- Charles Pope, Complete Shale LLC - Distinguished Lecturer "Stop, Drop and Circulate: An Engineered Approach to Coiled Tubing Intervention in Horizontal Wells"

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

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DECEMBER 2018

WEDNESDAY, December 5, 2018 - Luncheon Meeting

Location: Summit Club, 30th Floor, Ballroom

Speaker: Natalie Eglinton, Covia Holdings Corporation

Topic: "White Sand & Regional Sand Differences from Conductivity Perspective"

Register: <https://spemc120518.eventbrite.com>

Description

This presentation addresses measurement of fracture proppant conductivity over a long period of time with constant pressure. The resulting measurements allow the completion engineer insight into how well the proppant performs in the formation over time. Further insight into how the proppant reacts to a specific formation closure stress is needed to predict how the placed proppant performs over the long term.

When comparing proppant lab results with case studies, stark differences have been observed when comparing white sand with regionally mined sands. This presentation discusses testing of conductivity of multiple grades and sources of proppant when subjected to a constant closure pressure over a 2 week period, in order to determine proppant stamina as a function of origin. Each proppant tested was characterized by particle sizing and other API parameters. From the results, estimates were derived on relative proppant performance between products. The test results were further validated with real case studies using well completion information available from public data.

Speaker

Natalie Eglinton

Natalie Eglinton graduated with a Bachelor of Science degree in Petroleum Engineering from the Missouri University of Science and Technology in Rolla, Missouri. Her work experience in the oil and gas industry over the past 7 years started with WPX in their Engineering Development Program, spending 1 year in both reservoir and completion engineering rotations. After WPX, she worked with Unimin North America, a major U.S. proppant sand supplier. She held the title of Technical Sales Manager at Unimin, overseeing oil and gas technical projects for U.S. clients, before transferring to their Business Development Team.

In early 2018, Unimin and Fairmount Santrol merged to form Covia Holdings Corporation to become the largest producer of proppant sand in North America. Natalie's current title with Covia is Technical Sales Manager. She resides in the Houston, Texas, area.

JANUARY 2019

MONDAY, January 14, 2019 - Luncheon Meeting

Location: Summit Club, 31st Floor, Renaissance Room

SPE Mid-Continent luncheon meetings are held at the Summit Club** in Tulsa from 11:20-1:00 p.m. unless otherwise noted. 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. 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: Charles Pope, Complete Shale LLC - Distinguished Lecturer
Topic: "Stop, Drop and Circulate: An Engineered Approach to Coiled Tubing Intervention in Horizontal Wells"

Register: <https://spemc011419.eventbrite.com>

Description

This presentation shares how and where coiled tubing is used around the world, with a review of historical practices and related issues. In North America, where the average cost of a coiled tubing intervention is \$250,000, experience has shown that about 1/3rd of those wells will incur cost overruns exceeding \$500,000. Additionally, 1 well in 16 has suffered a stuck pipe event, escalating intervention costs to an average of \$1.7 million per well.

To improve coiled tubing interventions, more engineering involvement is necessary in the areas of expected drag, detailed time modeling, fluid systems, and data capture. This presentation will describe how short tubing trips have been eliminated, why low viscosity fluids provide superior hole cleaning, and how to react when overpull is observed. An engineered solution to overpull has been developed and performed on over 75 interventions. The solution has 3 clear steps: stop pulling, drop down, and circulate then. Experience with this solution has reduced coiled tubing time by 50%, thereby reducing costs by 50% and preventing stuck pipe.

Speaker

Charles Pope

Charles Pope is the President of Complete Shale LLC of Edmond, Oklahoma, an international consulting firm specializing since 2008 in drilling and completing phases of horizontal wells. Charles earned a Bachelor of Science degree in Petroleum Engineering from the University of Oklahoma. Over the past 35+ years, Charles has held various positions with Sun Oil Company, XTO Energy Inc., Devon Energy Corp., and Pinnacle Technologies Inc., prior to forming Complete Shale LLC.

Charles' experience with horizontal technology began in the late 1980s in the completion of the first horizontal Austin Chalk well. With Devon, he held the title of Completions Technology Supervisor, where his team focused on optimizing coiled tubing interventions. He has authored numerous technical papers and currently serves on SPE's ATCE Well Completions Committee and on SPE Workshop's Application of Integrated Diagnostics for Unconventional Resource Development Committee. In addition, he is currently serving as an SPE Distinguished Lecturer for 2018-2019.

"Trust in the miraculous truth that new and marvelous ideas are looking for human collaborators every single day."

— **Elizabeth Gilbert**

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