

SPE Mid-Continent Section Newsletter

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Mid-Continent Section



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SPE Mid-Continent Section

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| | | |
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| Golf Tourney: Nathan Nitchals, MS Energy Services | 918-856-1091 | nnitchals@msenergyservices.com. |
| Sporting Clays Tournament: Charley Mathis, Thru Tubing Solutions | 918-629-5853 | cmathis@thrutubing.com |

SPE Mid-Continent Section | P.O. Box 575, Tulsa, OK 74101-0575 | www.spemc.org

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

Hope everybody had a Happy Halloween! The Pinkerton house is now packed with more candy than we should eat in 2 life times, but it will probably be gone before the New Year. Whether you donned a costume or not, hope everybody got more treats than tricks.

Only thing scary around the section in October was the amount of fun that was had at the 23rd Annual SPE Sporting Clays tournament. We had 50 teams participate this year and raised \$9000 that will go towards scholarships. Thanks again to Charley Mathis, Stacey Edmiston, and our sponsors for putting together a fantastic event!! Congrats to Lance Green, Arnie Little, Carey Perry and Matthan Beard for Top Team. I'd like to thank Elwood Vogel, Zach Hadden, and Chris Neffendorf for their shooting prowess that earned 2nd place for our team. I offer them my apologies for my performance. If you have any feedback on this year's tournament, please let us know so we can make next year's even better. The 24th Annual event is already planned for Friday, October 4th, 2019. Put it on your calendars now and don't miss out.

Brad has been busy arranging some excellent presentations for you. For November, Paul Munding will be presenting "Improving ESP Production Through Compression based on SPE-191486-MS that was presented at ATCE in Dallas this September. This paper discusses case studies of two wells in Oklahoma and provided ideas to lower operating cost and extend life of your ESP installations. For December, Natalie Eglinton will be with us to present some case studies comparing White Sand and Regional sources.

Talk to you again in December. Until then, don't eat too much turkey.

Hap Pinkerton
2018-2019 Chairman
Hap.Pinkerton@Halliburton.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 and select Help Wanted/Situation Wanted. To submit an ad (120 words or less, please) e-mail spemc@spemc.org for consideration.

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From Your Editor

Betty Felber, 2018-2019 Editor

Thanks to those of you that participated in our Sporting Clays Event. Congratulations to Charley and the committee for organizing it and to you—the shooters—for supporting our Section. This is another important activity which provides financial assistance to our scholarship program.

To improve the success of your company, come to our November program. Even though we have Thanksgiving this month and Christmas to follow, your attendance at our luncheon offers you much to apply new technologies to your operations. Take a little time to avail yourself of this opportunity.

Also continue to support our advertisers. We, your newsletter staff, appreciate their interest in sustaining our efforts to gain your attention.

Betty Felber
Editor

Calendar of Events

Thursday, November 15 2018 - Luncheon Meeting - Summit Club

- Paul Munding, P.E., Flogistix LP "Improving ESP Production Through Compression (SPE-191486-MS)"

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.

23rd Annual Sporting Clays Classic

Results

Hi Everyone!

Wow, what a great shoot and time we had Friday, October 5th at the 23rd Annual SPE Fall Sporting Clays Classic at LongShot Ranch in Skiatook, OK!!! The weather was great (bit windy for the clays) and we didn't get wet. Stacey and myself have heard such great comments from many of you about the shoot... We want to see this shoot to be bigger and better next year! With that being said we have already booked our event with LongShot Ranch in Skiatook, OK for Friday, October 4th, 2019 for the SPE 24th Annual Fall Sporting Clays Classic and will be utilizing "2 courses" to accommodate more teams... We hope you all enjoyed our event and we would love to hear your likes and dislikes to help improve our Sporting Clays Classic.



Team winners, Top Shooters, and everyone who won a gun are pictured (page 5). These and other photos from our shoot are available for purchase at this link <https://jessicaedmistonphotography.smugmug.com/SPE-clay-shoot-10518>.

We had 50 – 4 man teams this year with 200 shooters...we gave away 19 guns, \$7500 in prizes, and everyone who participated got custom leather shell pouches!!!! We could not have done this without the 32 sponsors, so please make sure you let these companies know how much we appreciate their sponsorships!!!! We put \$9,000 back into the scholarship fund as well.... Great turnout!!

Top Team:

Basic Energy – Score 293

Lance Green, Arnie Little, Carey Perry, Matthan Beard

Runner-up Team:

Halliburton – Score 277

Hap Pinkerston, Elwood Vogel, Jeff Frederick, Chris Neffendorf

Top Shooter:

Carey Perry – Score 89

Runner-up Shooter

Travis Jensen – Score 86

A Big Thank You to **Thru Tubing Solutions** for providing lunch from Mac's BBQ in Skiatook and **Covia** for being our drink sponsor...



Please thank each of the sponsors below for their sponsorships!!

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 Thru Tubing Solutions - Lunch



NOVEMBER 2018

THURSDAY, November 15, 2018 - Luncheon Meeting

Location: Summit Club, 31st Floor, Renaissance Room

Speaker: Paul Munding, P.E., Flogistix LP

Topic: "Improving ESP Production Through Compression (SPE-191486-MS)"

Register: <https://spemc111518.eventbrite.com>

Description

This presentation addresses a solution to improve the efficiency of oilfield ESP (electrical submersible pump) installations by incorporating gas compression at the wellhead. ESPs have become the dominant form of artificial lift on horizontal wells in unconventional reservoirs. Due to the high capital cost and high failure rates, well operators must implement a new ESP while focusing on possible ways to improve pump efficiency and life span.

Many ESPs are electrified with variable speed drives (VSD) to control pumping rate. With the high natural gas volumes encountered in horizontal wells, gas handling equipment installed in ESPs have mixed results especially with the use of VSDs. The optimum scenario for a horizontal well ESP would limit the amount of gas entering the pump's intake port. One method that accomplishes this is the installation of a gas compressor to drawdown the natural gas in the tubing-casing annulus. Two Oklahoma case studies are presented using compression with ESPs. Both studies show the benefits gained from ESPs with compression – increased pump production and pump longevity. One of the two studies further compares 3 artificial lift methods on the same well – gas lift, ESP, and ESP with compression.

Speaker

Paul Munding

Paul Munding, an Oklahoma professional engineer and SPE member, graduated from the University of Oklahoma with a Bachelor of Science degree in Petroleum Engineering in 2003. His internships during his academic years were with Marathon Oil Corporation, Dowell-Schlumberger, Anadarko Petroleum Corporation and BP plc.

After college, he worked with Chesapeake Energy Corporation for 10 years in roles including reservoir, production and completion engineering across Mid-Continent and Permian basins. His next assignment was with RKI E&P, LLC as their Production Engineering Manager over the Delaware Basin. In 2016, he joined Flogistix LP in Oklahoma City, Oklahoma, an oil and gas optimization company that assists clients with vapor recovery, compression and water transfer needs. Paul and his family reside in Norman, Oklahoma.

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.

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.

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JANUARY 2019

MONDAY, January 14, 2019 - Luncheon Meeting

Location: Summit Club, 31st Floor, Renaissance Room

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 clean. 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.



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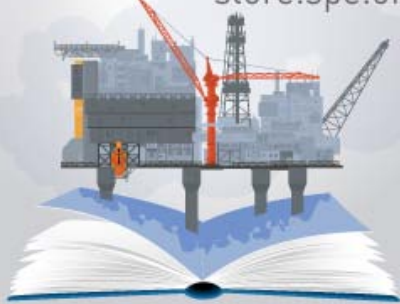
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