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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.
I hope you all enjoyed your Thanksgiving food and festivities! Now on to the Christmas season with all the preparations and shopping. My recommendation to all is take time to appreciate all our blessings!

Looking forward to our December luncheon topic, presented by Jim Williams with Nitro-Lift Technologies on the topic “Nanotechnologies For The Oil and Gas Market with a Focus on Upstream Applications.” I know the holiday season is busy, but if you have time it is sure to be an interesting talk. This the final luncheon at the Summit before they start their renovation project.

As the year closes out, don’t forget to renew your SPE membership. Please review your information and update if necessary. Thank you for your continued support.

Finally, Merry Christmas and Happy New Year to all of you and your families.

Lisa Sullivan
2019-2020 Chairman
lsullivan6311@gmail.com
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From Your Editor

Betty Felber, 2019-2020 Editor

In December we have one luncheon meeting so if you miss it that is it for our 2019 meetings. This is also the last meeting at the Summit Club for a while, since it will be undergoing renovations.

If you miss the December meeting you will have to wait until January 2020 to attend a luncheon. From January until further notice our meetings will be held at the Oaks Country Club.

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

Betty Felber
Editor

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Calendar of Events

**Thursday, December 12, 2019 - Luncheon Meeting - Summit Club**
- Jim Williams, NitroLift Technologies, “Nanotechnologies For The Oil and Gas Market with a Focus on Upstream Applications”

**Wednesday, January 15, 2020 - Luncheon Meeting - Oaks Country Club**
- Jeff Canady, Pipeline Regulatory Consultants, Inc., “PHMSA Regulation Changes Affecting Oil and Gas Operations”

**Thursday, February 27, 2020 - Luncheon Meeting - Oaks Country Club**

**Wednesday, March 18, 2020 - Luncheon Meeting - Oaks Country Club**
- Gregory Walker, Repsol | Distinguished Lecturer |, “Enhancing Fluid Recovery in shales: Why Pores less than 10nm Matter”

*All SPE luncheons are held at the Summit Club unless otherwise noted - See p7 for more details.*
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DECEMBER 2019

THURSDAY, December 12, 2019 - Luncheon Meeting
Location: Summit Club, 31st Floor, Renaissance Room
Speaker: Jim Williams, Nitro-Lift Technologies
Topic: “Nanotechnologies For The Oil and Gas Market with a Focus on Upstream Applications”

Register: https://spemc121219.eventbrite.com

Description
Nanotechnology applications in the oil and gas industry have grown rapidly in the past decade, as evidenced by the number of scientific articles published in the field. A few reasons stimulating this effort are that finding, developing and producing oil and gas reserves has become more costly and difficult as well as the low recovery rates in both conventional and unconventional reservoirs. These and other factors have resulted in the pursuit of advanced technologies that can address the challenges of the industry. Nanotechnology has the potential to revolutionize the petroleum industry in the upstream, midstream and downstream sectors. While a general overview will be presented, our topic today will focus on upstream applications with an emphasis on production and enhanced oil recovery (EOR).

Speaker
Jim Williams
Jim Williams is a Chemical Engineer with Nitro-Lift Technologies in Tulsa and his primary focus is the implementation of nanoparticle fluids as a treatment for enhancing production and providing technical support to oil and gas producers.

Jim started his career with Shell Offshore in New Orleans as an associate drilling engineer. He moved to Tulsa with DRD Corporation and was the Product Manager for WELLPLAN drilling engineering software now owned by Halliburton. He was also a Product Manager for Petra. He has several years of E&P operational and reservoir engineering roles with companies in Tulsa including Latigo Petroleum, Cimarex, Kaiser-Francis, Equal Energy and PetroGlobe Energy.

Jim is a native of North Dakota and graduated from the University of North Dakota with a Bachelor of Science in Chemical Engineering. He has lived in the Tulsa area since 1984.
SAFE THE DATE

Note: all of the following luncheons will be held at the
Oaks Country Club, 4101 Oaks Country Club Dr., Tulsa, OK 74131

JANUARY 2020

**WEDNESDAY, January 15, 2020** - Luncheon Meeting
Location: Oaks Country Club
Speaker: Jeff Canady, Pipeline Regulatory Consultants, Inc.
Topic: “PHMSA Regulation Changes Affecting Oil and Gas Operations”

FEBRUARY 2020

**THURSDAY, February 27, 2020** - Luncheon Meeting
Location: Oaks Country Club
Speaker: Richard Spears, Spears & Associates
Topic: “Energy in 2020: 10 Questions You Should be Asking Yourself Heading into the New Year”

MARCH 2020

**WEDNESDAY, March 18, 2020** - Luncheon Meeting
Location: Oaks Country Club
Speaker: Gregory Walker, Repsol | Distinguished Lecturer |
Topic: “Enhancing Fluid Recovery in shales: Why Pores less than 10nm Matter”
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— Fred Rogers aka Mr. Rogers