

# SPE Mid-Continent Section Newsletter

March 2022 | Issue No. 473



Mid-Continent Section



# 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 50% 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](mailto:service@spe.org).

# Chairman's Gavel

Mike Stafford, 2021-2022 Chairman

In a joint press release at [www.aapg-spe-merger.org](http://www.aapg-spe-merger.org) on March 16th, 2022, Gretchen Gillis (AAPG 2022 President) and Kamel Ben-Naceur (SPE 2022 President) made a statement that reads in part:

Dear Members,

*"As we previously announced, a vote by AAPG and SPE members on the proposed merger of our two organizations would only occur if authorized by both the AAPG Executive Committee and the SPE Board of Directors.*

*At the AAPG Executive Committee meeting on 14 February, several points of concern about the merger plan were expressed and these were subsequently shared with the Steering Committee for assessment. Upon receiving the committee's responses, the AAPG Executive Committee met on 11 March and a vote to continue work on the merger and proceed to a member vote failed."*

Highlight added for clarification

As per this press release, the AAPG / SPE proposed merger has failed due to points of concern raised by the AAPG Executive Committee.

Moving on to Section business, our regular meeting this week will be John Spencer discussing "Where do we go from here". **Due to a scheduling conflict, the meeting has been moved to the The Main Event** at 11:30 and you should have already received your invite to register to attend. The Main Event is located at 7830 S. Sante Fe Ave West, Tulsa, 74132. Physically, this is on the west side of US 75, just shy of 81st Street. Our meeting attendance has been growing each month and I hope to so see you there on Wednesday.

And the big item of interest is the **Section Officers and Directors Election is coming in May**. There are a total of nine (9) positions open for board member positions. The Officer positions that are open for election are Chairman, Vice Chairman, Treasurer and Secretary. Additionally, there are 5 Director positions open. The Election Committee is headed by the Past Chairman, who this term is David Krueger. If you are interested in serving in one of these positions, or if you know of a worthy person you would like to nominate, please submit that information to David at [d8krueger@gmail.com](mailto:d8krueger@gmail.com). I will have more information next month. And honestly... if you are interested in serving — you have good ideas that you would like to see implemented and have a serving heart but you are holding back because you have not been actively involved — On-The-Job training is available! So take the plunge, volunteer, and make a difference.

Mike Stafford  
2021-2022 Chairman  
[mike-stafford@utulsa.edu](mailto:mike-stafford@utulsa.edu)

## SPE Mid-Continent Newsletter Sponsors

<b>Chairman’s Gavel</b> .....	<b>1</b>
<b>Editor’s Column</b> .....	<b>3</b>
<b>Calendar</b> .....	<b>3</b>
<b>TU SPE Student Spotlight</b> .....	<b>4-5, 8</b>
<b>Presentations and Meetings</b> .....	<b>6-7</b>
<b>2022 SPEMC Golf Tournament</b> .....	<b>8</b>



Themed “**IOR: Thrive in a Low Carbon Economy**,” the **SPE Improved Oil Recovery Conference** will be a virtual event taking place 25–29 April. [Register today](#) and join us to learn more about IOR and EOR technologies that will enable the industry to better allocate capital to supply the world with clean, affordable, and reliable energy, while reducing waste by reusing common field byproducts.

The SPE IOR Conference will be kicked off this year by Vicki Hollub, Occidental with Opening Conference Kick Off and some Plenary Session remarks. The Plenary discussion “*Thriving in a Low Carbon Economy*” will feature Kevin Chambers, Chevron and Chuck McConnel, the University of Houston Center for Carbon Management & Energy. The Kickoff and Plenary will be moderated by Conference Chair Rita Behm, Coterra and Program Chair Birol Dindoruk, University of Houston.

**Keynote Speakers** will include: 2022 SPE President Kamel Ben-Naceur Monday noon and 2019 SPE President Samia Al Nuaim Tuesday noon. Current SPE business and issues will be the focus on Monday and the Circular Carbon Economy will be the focus on Tuesday.

There will be Three panel sessions with recognized industry experts on each panel: Panel Session 1: Getting Low Carbon Ventures Started will feature industry experts from Chevron, Shell, and Denbury. Panel Session 2: Unconventional Improved Oil Recovery Field Experience including Waste

*continued on page 8*

# From Your Editor

Betty Felber, 2021-2022 Editor

March is here already. I don't know about you but our daffodils are opening up. Looking forward seeing them in bloom.

Our section is having an in person meeting March 23rd. Come join us at Main Event. The talk should be a very informative "guess" as to what the future of oil and gas might be. John Spears is our speaker.

On another note, the virtual IOR Conference is coming in April. Just think March is the last month our committee members have to get completely ready for it. We are working for this to be a successful venture.

Betty Felber  
Editor

## SPE MID-CONTINENT SPRING MEMBERSHIP EVENT

**The date has been set!** The membership event will be held Friday, May 13th at Hunter Park from 6 - 9:00 pm at the pavilion on the south side of the park next to the parking lot. Stay tuned to the monthly newsletter and Section emails for additional details and registration.

The purpose of this event is to attract new members and to retain current members. Please assist the Mid-Continent Section in actively signing up new members and encouraging former members to reinstate their membership.

## Calendar of Events

### Wednesday, March 23, 2022 - Luncheon Meeting - Main Event

- John Spears, Spears & Associates, Inc. - Where do we go from here?

### Monday, April 11, 2022 - Luncheon Meeting - Main Event

- Geoff Salter, RISC Advisory | Distinguished Lecturer - Making Better Upstream Acquisitions: The role of the Petroleum Engineer and why it's different from the day job

### April 25-29, 2022, SPE Improved Oil Recovery Conference - Virtual

- Technical Program Sessions, Mon. 25th - Wed. 27th, Short Courses Thursday and Friday April 28th & 29th - [www.speior.org](http://www.speior.org). Registration is now open.

See p6 for more details

# TU SPE Student Spotlight

by Gage Bradford, TU SPE Student Chapter Communications & PR Chair

**Zach Bohbrink** is a senior at the University of Tulsa studying Petroleum Engineering. Zach is from Bixby, Oklahoma and enjoys his hobbies of gardening, reading books, and playing video games. Growing up near Tulsa, Zach discovered TU after reading about its high-ranking petroleum engineering department. After graduation, Zach's goal is to be employed in either reservoir or production engineering in the oil & gas industry.



## **What lead you to choose petroleum engineering?**

"When I researched colleges, I was attracted to the small atmosphere of TU's campus. I enjoy the smaller class sizes and the niche community. My father works at Koch Industries where I was introduced to petroleum engineering and related fields. I researched geology when I was a kid. These early influences made TU a great option for me."

## **What type of company culture is attractive to you?**

"An ideal company culture is one that values its employees. I value a friendly atmosphere where each person rejoices in the success of co-workers. This may be found more often in smaller companies, however if a big company embodies this culture, I would be very happy to work there."

## **What overarching values of a company are important to you?**

"Environmental aspects are important to me. I believe in producing oil & gas as cleanly and efficiently as possible. I do not want to cut corners and ensure that oil & gas production operations do not cause problems for the environment. Environmental cleanliness is important, and I want my company to share that belief."

## **You are soon to be a fresh graduate, what do you believe are your current strengths you can bring to a workplace?**

At this moment, my strengths are my work ethic and my enthusiasm found in a young person like myself. I am almost like clay, ready to mold. I am a clean slate and have yet to attain industry experience. A company can mold me into what they need, since I do not have the deep grooves of former experience which may limit my ability to take on a new role."

## **Are there any favorite class or projects you have worked on in college?**

"I really enjoyed Professor Stafford's Tool Kits because of the way he puts it. He emphasizes open-endedness in his teachings with an attention to functionality. I enjoy using Excel which Professors Stafford's projects use extensively. He also tells his tales of working in the industry which I find fascinating."

## **Are you open to prospective employers contacting you?**

"Absolutely. Feel free to contact me at [ztb6090@utulsa.edu](mailto:ztb6090@utulsa.edu)."

# TU SPE Professional Spotlight

by Gage Bradford, TU SPE Student Chapter Communications & PR Chair

**Bryn Lewis** is a graduate of the University of Tulsa, is a 2021 TU graduate with a degree in petroleum engineering with an emphasis on mechanical engineering. Bryn hails from Sand Springs, Oklahoma, where she attended Charles Page High School. Bryn is an Asset Integrity Engineer at Magellan Midstream Partners. Bryn collaborates with engineering groups to put together a cohesive picture of the risk associated with pipeline operation and engineering.



## **What led you to choose petroleum engineering?**

“When I started at TU, I planned on studying mechanical engineering. During enrollment day, I spoke to an advisor who asked me what I wanted to study. I said, ‘Engineering’, to which my advisor replied, ‘Which one?’ After looking at my options, I was mostly drawn to petroleum and mechanical engineering. I asked about the main difference between the two. My advisor said that as a petroleum engineering major, my first semester would include a Geology class, whereas mechanical engineering would include physics. I loved the idea of a geology course and enrolled in petroleum engineering.”

“Growing up in Tulsa, the influence of oil & gas is pervasive. My father worked in the industry. I did not fully understand what he did but ended up going for it in petroleum engineering. I fell in love with the major and thoroughly enjoy the ground-breaking projects of the industry.”

## **How did you land your job with Magellan?**

“A lot of it was luck and blessing. I went through the Career Fair route at TU which was remote due to Covid safety guidelines. There were maybe one or two oil & gas companies signed up. I was not going to complain about the current situation if I was not going to do everything in my power to enter the industry. I signed up for an appointment with Magellan, which ended up being for a business position. After having to cancel and reschedule, I was late to one of my classes to make the meeting. But the risk versus the reward was worth it to me. I talked one-on-one with somebody, and it felt as natural as it could be for a rather unnatural process.”

“After going through multiple interview rounds, that natural feeling continued. A few weeks later I got a call and had a job. I felt very fortunate, and it eased my mind as I finished my degree.”

## **Do you have any favorite projects you have worked on at Magellan?**

“The position I am in right now is heavy on learning and collaboration with different groups that have subject matter experts. Magellan’s retention rate of bright engineers is high because everyone’s ideas are valued. That makes it very helpful with my learning

*continued on page 8*

# SPE Mid-Continent Section

Presentations / Meetings

*Please note the change in venue for the March & April Meetings*

## MARCH 2022

**WEDNESDAY, March 23 | Luncheon Meeting | 11:20 am - 1:00 pm**

**Location:** Main Event, 7830 S Santa Fe Ave, Tulsa, OK 74132

**Speaker:** John Spears, Spears & Associates, Inc.

**Topic:** "Where do we go from here?"

**Register:** <https://spemc032322.eventbrite.com> (Registration deadline is Saturday, March 19 at Noon)

### Description

As the petroleum industry recovers from one of the biggest downturns in its history amid an economic recovery from the global pandemic and government efforts to accelerate energy transition, what does this mean for the future of our industry and the way we operate and do business?

### Presenters

#### John Spears

John Spears, President of Spears and Associates, has 40 years experience conducting market research on products and services used in the drilling, completion, production and pipeline sectors of the global petroleum industry for clients including oil-field service firms, operators, and financial institutions. He is the director of the firm's forecasting activities, author of the Drilling and Production Outlook and several of the firm's market segment reports, and co-host of the firm's podcast, The Drilldown, available at [www.spearsresearch.com](http://www.spearsresearch.com).

Education: MBA - The University of Michigan, B.S., Industrial Engineering, Oklahoma State University

## APRIL 2022

**MONDAY, April 11 | Luncheon Meeting | 11:20 am - 1:00 pm**

**Location:** Main Event, 7830 S Santa Fe Ave, Tulsa, OK 74132

**Speaker:** Geoff Salter, RISC Advisory | Distinguished Lecturer

**Topic:** "Making Better Upstream Acquisitions: The role of the Petroleum Engineer and why it's different from the day job"

The safety of our members is our top priority so in-person scheduling for 2022 events is tentative based on health guidelines in our area as well as availability of meeting venues. Watch for announcements about future meetings and events in this newsletter or by email.

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. In-person luncheon cost is \$25.00 for Professionals, \$10 for Retired/Unemployed/Graduate Students, and free for Undergraduate Students. Payment by credit card is for advanced registrations ONLY, no credit cards will be accepted at the meeting, only check or cash accepted at the door with a reservation. No walk-ins please.

**Register:** <https://spemc041122.eventbrite.com> (Registration deadline is Thursday, April 7 at Noon)

## **Description**

Global upstream transactions are estimated at \$150 bn in 2019. Production/cost forecasts and assessment of future opportunities/risks are crucial inputs to the economic evaluation of a potential acquisition. It follows that potential buyers need to conduct technical due diligence on these inputs. In times of volatile oil and gas prices, good technical due diligence can be the difference between a good and a bad deal.

Petroleum engineers are often called upon to join acquisition teams. With typically a few days/weeks of evaluation time, technical due diligence requires considerable focus and a fundamentally different approach to the typical industry workflow. Yet, there are no industry courses on this subject and a OnePetro search reveals the last paper was 30 years ago.

This talk highlights how a Petroleum Engineer should approach working in an upstream acquisitions team and illustrates practical methods for conducting technical due diligence. A 'top down' process that starts with identifying what drives value is proposed. Several case studies are presented showing how good technical due diligence has had a fundamental impact on acquisition decisions.

The key thing I would like people to take away is that technical due diligence requires a very different approach from the Petroleum Engineer's 'day job'.

## **Presenters**

### **Geoff Salter**

Geoff Salter is a Partner at RISC Advisory specializing in Reservoir Engineering. He holds an MSc in Petroleum Engineering. His early industry experience was focused on field development and production operations with major operators Shell and Woodside. During his nearly 25 years at RISC Advisory based in London or Perth, he has led technical due diligence teams on oil and gas acquisition opportunities in the Asia-Pacific region, Europe, Middle East and Africa. He has travelled extensively throughout these regions, presented at industry conferences and participated in SPE ATWs.

*SPE IOR Conference continued from page 2*

Reduction will feature industry experts from Chevron, Occidental and Coterra. Panel Session 3: Industry Field Experience with Operating Chemical Floods will feature industry experts from SNF, BASF, and Kemira. There will also be special sessions which include the best IOR papers from EAGE and URTEC.

The technical program includes 90 technical presentations on topics ranging from innovative technology to field applications. Technical topics include:

- Carbon Capture and Sequestration in EOR Projects
- Chemical Flooding
- Conformance Control
- Conceptual Modeling
- Field Case Studies
- Gas Injection
- IOR/EOR in Unconventional Reservoirs
- Novel EOR/IOR Technologies
- Reservoir and Field Management
- Reservoir Characterization in IOR Projects
- Waterflooding and Water Treatment Technologies
- Viscous (Heavy) Oil Recovery

Continue to sharpen the saw with an excellent line up of six short courses. There will be: Current Status of Carbon Capture, Utilization and Storage (CCUS) by Seyyed Hosseini; Polymer Flooding by Randy Seright; Reservoir Characterization by Larry Lake and Jerry Jenson; Applied Statistical Modeling and Data Analytics for Reservoir Performance by Srikanta Mishra; Fundamentals of EOR by Larry Lake, and Shale Selection and Completion by George King.

The 2022 SPE IOR virtual conference will use the ON24 platform which encourage global attendance as well as will allow later attendee access on demand for up to three months post conference. This will aid SPE's mission of technology transfer by providing easy and extended access to the excellent technical content of the presentations as well as the SPE papers. The excellent Kick Off, Plenary, and Panel sessions content will also be available on demand giving attendees the chance to replay these critically important sessions. Your SPE 2022 IOR Conference Committee has again done an excellent job putting together exceptional and current technical content. Conference proceeds will continue to fund Midcontinent STEM scholarships. Please join us in late April.

Kind Regards,

Ed Behm  
2022 SPE IOR Conference Vice Chair

## 2022 Tulsa SPEMC Golf Tournament

Please join your fellow SPE Mid-Continent Section members in participating in the 2022 SPEMC Golf Tournament. The tournament will take place on May 9th at MeadowBrook Country Club. Registration will open at 10:30am for teams and individuals and shotgun start will be at 12:30pm.

Lunch will be provided and all participants will receive a commemorative hat. In addition there will be Hole Prizes, Team Prizes and Drawing Prizes. Team entries of 4 will be \$500 and individual entries will be \$125. Individuals will be grouped together based on when they submit their registration form.

Please send all registration forms to Brian Flake (817-914-3358) at [bflake@calyxenergy.com](mailto:bflake@calyxenergy.com). Details for the event can be found on the [invitation](#) as well as at our event [website](#).

For those looking to sponsor, please reach out to Brian Flake with any questions that are unanswered by our invitation or website.

We look forward to seeing you out on the course!

Brian Flake

### Professional Spotlight continued from page 5

process. Many people at Magellan have been there for years and are on the cutting edge of technology. I can reach out to my co-workers who are willing to teach me.”

“One favorite project of mine is a risk mitigation project. I remember working in Kansas on a pipeline. The pipeline is located on a farm and recent changes in farming practices required that pipeline to be lowered. It was interesting to see the digging of a trench and the careful lowering of the pipeline that took place foot-by-foot. I learned about the calculations required to analyze the stress the pipeline could endure. I got to jump in the ditch with contractors where I learned how to wrap the pipe with protective coating. But it is hard to pick a favorite because every new project I work on seems to be my favorite.”

### **What advice do you have for current petroleum engineering students at TU?**

“Stay curious. I remember being set on becoming a reservoir engineer after college. However, the industry is ever-changing. There is so much to learn to grow as a student and as a professional adult. In my job interview, I spoke about specific topics of engineering I was interested in. If you are genuinely interested in innovation, that is going to show. It shows a commitment to lifelong learning. Be willing to learn from anybody, whether they are higher or lower than you.”

“Relationships within the industry are important. Take every networking opportunity you can. Your professors have already built massive networks and they are more than happy to share that and help the students they know that they can stand behind.”

*“Of what avail the plow or sail, or land or life, if freedom fail”*

— **Ralph Waldo Emerson**



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**SPE Monthly Bulletin No. 473**

Issue Date: March 17, 2022

SPE Mid-Continent Section

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