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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.
Welcome Fall with football games and the hope for cooler weather! The section’s 2019-2020 season is upon us. We began with Steve Tipton, a professional engineer specializing in water management, with a presentation titled, “Water Management for Shale Plays, on September 19. Mr. Tipton gave an interesting and engaging talk. We appreciate our lecturers who take time out of their schedule to prepare and present their topics.

SPE’s Sporting Clay Event is just around the corner. The event will be Friday, October 4, and it sounds like we have a full tournament. Charley Mathis, with Thru Tubing Solutions, did a great job organizing the event; and thank you to the many volunteers who help with making this a fun and successful tournament.

Look for news about our October and November luncheon speakers. In November, we are honored to have distinguished lecturer, John Kaldi, Professor of Petroleum Geology and Engineering at the Australian School of Petroleum, University of Adelaide, Australia, give a presentation titled, “Integrated Approaches to Determining Net Pay: Caveat and Lessons Learned.” I look forward to seeing everyone at these meetings!

My wish for everyone is that all the leaves fall into your neighbor’s yard. Finally, I will end with a quote from Abraham Lincoln that I heard recently and enjoyed, so I am sharing, “Better to remain silent and be thought a fool, than to speak out and remove all doubt.”

Lisa Sullivan
2019-2020 Chairman
lsullivan@samson.com
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From Your Editor

Betty Felber, 2019-2020 Editor

Our quote states that “the summer heat is a distant memory”— I wish. By the time we have our October meeting on the 23rd this should be true however. That means that you won’t have the hot weather as a reason for not coming to our meeting. See you there if not before at some of our other activities supporting IOR or our Section.

Betty Felber
Editor

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PetroWiki

PetroWiki is a free resource from SPE to answer many basic petroleum engineering and operational questions. SPE professional members can contribute their expertise through updating or adding to PetroWiki content.

http://petrowiki.org/PetroWiki

Calendar of Events

Friday, October 4, 2019
• 24th Annual Sporting Clays Classic, Longshot Ranch, Skiatook

Wednesday, October 23, 2019 - Luncheon Meeting - Summit Club
• Ford Brett, PetroSkills, LLC, “What the Rig Count, Feet Drilled & Oil Prices say about the key to Success in the Oil Business”

Tuesday, November 12, 2019 - Luncheon Meeting - Summit Club
• John Kaldi, Australian School of Petroleum, University of Adelaide | Distinguished Lecturer | “Integrated Approaches to Determining Net Pay: Caveat and Lessons Learned”

SPE Improved Oil Recovery Conference - CALL FOR PAPERS
• Call for Papers deadline September 16, 2019 / Conference April 18-22, 2020

All SPE luncheons are held at the Summit Club unless otherwise noted - See p7 for more details.
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WEDNESDAY October 23, 2019 - Luncheon Meeting
Location: Summit Club, 31st Floor, Renaissance Room
Speaker: Ford Brett, PetroSkills
Topic: "What the Rig Count, Feet Drilled & Oil Prices say about the key to Success in the Oil Business"

Register: https://spemc102319.eventbrite.com

Description
“Our people are our most important asset” is a very common, almost trite, expression in almost every business. But unless we can actually value human capability – i.e. actually measure how much a person’s skills adds to the bottom line - we can under value the role human capability plays in the our business to our detriment. This talk presents a new way to look at how valuable the human factor is in the oil business by looking at what's happened to performance over time and what that might mean for the role human capability – i.e. skills – play in our industry.

Speaker
Ford Brett
Ford Brett is a Professional Engineer and CEO of PetroSkills - the world’s largest petroleum technology training organization. Mr. Brett has consulted in over 45 countries worldwide and worked on drilling projects in the Bering Sea, the North Slope of Alaska, the Gulf of Mexico, offshore Trinidad, Wyoming, and Saudi Arabia.

In 2010, he advised the US Department of Interior as one of seven reviewers of the “30 Day Study” immediately following the BP Gulf of Mexico Tragedy. In 2010 thru 2012 he served on a National Academy of Engineering Panel to review the Effectiveness of Safety and Environmental Management Systems for Outer Continental Shelf Oil and Gas Operations.

Mr. Brett has been granted over 35 U.S. and International patents, authored over 40 technical publications, and has served as an SPE Distinguished Lecturer, and on the Society of Petroleum Engineers International Board of Directors as Drilling and Completions Technical Director.

Mr. Brett has a BSE in Mechanical Engineering from Duke, and Master’s in Mechanical Engineering from Stanford, and an MBA from Oklahoma State.

He also is a proud Hornet - as a ’75 graduate from BTW in Tulsa.
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.

NOVEMBER 2019

TUESDAY November 12, 2019 - Luncheon Meeting

Location: Summit Club, 30th Floor, Ballroom
Speaker: John Kaldi, Australian School of Petroleum, University of Adelaide | Distinguished Lecturer |
Topic: “Integrated Approaches to Determining Net Pay: Caveat and Lessons Learned”

Register: https://spemc111219.eventbrite.com

Description
Net pay is the formation thickness within the hydrocarbon column that can be produced economically. The most common methods for determining net pay include wireline log cut-offs eg gamma ray (sand vs shale percentage), resistivity (hydrocarbon vs water saturation) and porosity (rock vs pore volume). This presentation details case histories from around the world that highlight various challenges with relying on many of these methodologies. Overly simplistic assumptions of wireline log response, and poor understanding of fundamental rock and fluid properties in the formation, have caused misinterpretation of pay in many formations. Examples include incorrect v-shale cut-offs due to shale clasts, incorrect density porosity calculations caused by extreme mineral densities, incorrect neutron porosity cut-offs due to microporous reservoirs, and misinterpreted fluid compositions (on resistivity logs) due to conductive minerals in the formation. Potential errors in quantifying reservoir properties may occur even when core data are plentiful. This is commonly due to core plug sampling bias, either from poor core and/or core plug recovery or due to human sampling bias; both biases result in over or under representation of particular rock types. Often, production mechanism and net pay interpretation are not considered together. Pay on primary production, may not equate to pay on waterflood, if the flooded formation is discontinuous or sweep efficiency is low. In addition, production or injection zone tests (eg PLT), are rarely correlated to rock types in a formation, thus leading to mismatch between actual and interpreted pay zones. Net pay determination is improved markedly when petrophysical properties are linked to field-specific production mechanisms.

Speaker
John Kaldi
John Kaldi is a Professor of Petroleum Geology and Engineering at the Australian School of Petroleum, University of Adelaide, Australia, and holds the South Australia
State Chair in Carbon Capture & Storage (CCS). He is also an Adjunct Professor at Institut Teknologi Bandung (ITB), Indonesia, and a Visiting Professor at Universiti Teknologi Petronas (UTP) in Malaysia. John received his Bachelors and Master’s degrees in geology from Queens College, City University of New York, and a PhD in Geology from Cambridge University in the UK. His career includes 18 years in the Petroleum Industry in both technical and managerial roles with Shell, Arco & Vico. John served as Distinguished Lecturer for several professional organisations, including SPE, American Association of Petroleum Geologists (AAPG), the Indonesian Petroleum Association (IPA) and the Petroleum Exploration Association of Australia (PESA). He has been the author of over 150 journal articles and technical conference papers.
“October had the tremendous possibility. The summer’s oppressive heat was a distant memory, and the golden leaves promised the world full of beautiful adventures.”

— Sarah Guillory