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## Dear SPE Denver Section Community,

The 2021-2022 Denver Executive Board Voting Slate. At the June 2021 General Meeting, members of the SPE Denver Section will have the opportunity to vote to confirm the following nominees for the 2021-2022 Denver Section Executive Board:

Chairperson	Eric Lyche
Past Chairperson	Jessica Iriarte
Chairperson Elect/Treasurer	Davis Scott
Treasurer Elect	Philip Ouellette
Program Chair	Ben Nathan
Secretary/Publicity	Claudio Ramos
Membership	Alex Straw
Community Outreach	Katrina Baer
Young Professionals	Andrew Johnson
Section Director	Joe Dumesnil
Section Director	John Benton

We greatly appreciate our outgoing board members and are excited about the challenges of the new year.

Sincerely,

Jessica Iriarte  
**SPE Denver Section Chairperson**

May 3, 2021

## GENERAL MEETING

### Rethinking an Industry Recommended Practice: Lessons being Learned from Monograph 5 (Type Well Profiles)

*Jennifer Fitzgerald, Vice President, Corporate Reserves at Occidental Petroleum.*

📍 Zoom Meeting: Click “Register Now” to receive the Zoom link.  
📅 Wednesday, May 19<sup>th</sup>, 2021, 11:50 PM – 1:00 PM

**Register Now**

#### Abstract:

The purpose of the upcoming SPEE Monograph 5 is to be a recommended practices guideline for the evaluation engineer to perform type well analysis, focusing first on public or easily obtained data, and then enhancing the reliability by supplementing detailed or proprietary data as necessary. The monograph gives due consideration to the “fit for purpose” confidence level to be achieved. Secondly, this monograph serves as a guideline for assessing the reliability of type well profiles. This presentation will highlight current efforts to develop industry recommended practices related to development of Type Well Profiles and review the Type Well Profile workflow, highlighting key specific elements. We will also discuss key considerations when integrating new workflows or industry recommended practices.

#### Biography:



Jennifer Fitzgerald is currently Vice President, Corporate Reserves at Occidental Petroleum Corporation, following the recent acquisition of Anadarko Petroleum Corporation. Prior to joining Anadarko in 2014, Jennifer worked at Ryder Scott Company and ExxonMobil Corporation. She has extensive experience evaluating a variety of conventional and unconventional assets in basins around the world. Jennifer is an industry expert in SEC and SPE-PRMS reserves definitions.

Jennifer earned a BS degree in Chemical Engineering at the University of Illinois Champaign-Urbana and is a licensed Professional Engineer in the State of Texas. She is an active member of the Society of Petroleum Evaluation Engineers, currently serving as Chair for Monograph 5 committee and a Past President. She is also a member of the Society of Petroleum Engineers.

## COMPLETIONS STUDY GROUP



Interested in a professional PE license exam preparation course? Gary Bing Wines is coming to Denver in September 20-24, 2021. To learn more and register please tap the WinRock Logo.

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## A New Approach to Sealing Unwanted Casing/Liner Perfs, Breaches and Leaks

*Dale Larsen, Business Development Manager, New Well Tech, LLC.*

📍 Zoom Meeting: Click "Register Now" to receive the Zoom link.

📅 Tuesday, May 25, 2021 | 11:50 AM – 1:00 PM

### Register Now

**Abstract:** Shale wells often drop to sub-economic levels in a relatively short period of time due to rapid production decline, water production, or wellbore interference issues. To salvage these wellbores, it requires a reliable method to fix their leaks and breaches or to block the unwanted fractures and perforations that already exist from the original completion.

A sealant material has been developed which is liquid on surface, then cures to form a pliable solid that can seal unwanted perforations or fracture openings.

Field tests were performed on a vertical well that had been fractured in two stages. The sealant material was bullheaded into both perf clusters simultaneously. It was then squeezed into the formation while slightly under displacing. After the material cured to a solid, the excess remaining in the wellbore was drilled out. Pressure tests were done on both intervals to see how much differential pressure the sealant could hold.



**Biography:** Dale graduated with a B.S. degree in Geological Engineering from the South Dakota School of Mines. He has worked in the oil and gas industry for 39 years spending several years with The Western Company of North America, BJ Services and Calfrac Well Services. He served as a Production Engineer for EP Production and Westport Resources and as a Production Superintendent for Questar E&P. He has worked extensively in Colorado, Utah and South Texas. Dale has written three Society of Petroleum Engineers (SPE) papers

while serving in many leadership roles for SPE. He has served on the Board of Directors for the Denver Petroleum Club and Ministry Architecture, a charitable architectural ministry working in SE Asia, Africa and South America. Dale spent several years serving on the Board of Advisors with Western Energy Alliance (WEA) and the Legislative, Legal and Regulatory Committee for Colorado Oil and Gas Association (COGA). Dale is the 2017 recipient of the WEA Roustabout Award which recognizes Distinguished Career Achievement in the Service Sector of Oil and Gas.

Dale worked from 2016 – 2019 as the Industry Advocate for Calfrac defending our industry in the public arena. He has spoken in many venues informing and advocating groups about Hydraulic Fracturing including Colorado Oil and Gas Association (COGA); Department of Energy (DOE) Analytical Services Program; Energy Fellows Institute; 2018 ICoTA Conference (San Antonio); 2019 Refracturing Conference (Houston) among others.

Dale is currently employed by New Well Tech, a Houston-based company, that promotes a new refracturing science.

## SPE—Fundraiser!



For more information on how to become a sponsor and register early please email us at [denverspegolf@gmail.com](mailto:denverspegolf@gmail.com). Registration will open after June 3 for everyone [HERE](#).

## SPE—MEMBERSHIPS!



Did you renew your membership before the end of 2020? Sign in at [spe.org](http://spe.org) to check. Did you know SPE offers a membership fee waiver for [unemployed or furloughed](#) renewing members? Submit a written request to [service@spe.org](mailto:service@spe.org).

## SPE—DENVER CHAPTER VOLUNTEERING OPPORTUNITY!





Would you like to be part of a dynamic group of volunteers and help disseminate technical knowledge to our local SPE community? Tap the picture above to sign up! or contact [Jessica Iriarte](#) directly.

## COMMUNITY OUTREACH

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*Do you want to teach young students about energy, serve breakfast at the Denver Rescue Mission, or judge science fairs? Join other SPE members in giving back to our community!*

### Upcoming Events:



### ***SPE Serves Breakfast at the Denver Rescue Mission***

**Date:** May 18<sup>th</sup>, 2021

**Time:** 6:15 am – 8:30am

**Location:** Lawrence Street Community Center | 2222 Lawrence Street, Denver, CO 80205

Limit: 8 volunteers

Free

#### **Description:**

Please join SPE Denver in their support of the Denver Rescue Mission, a nonprofit organization helping the poor and homeless populations of the Denver area at the Denver Coliseum. More than 85% of the services of the Denver Rescue Mission are operated by volunteers, serving people experiencing homelessness and poverty in our community since 1892. Please come and bring friends or family.

**Please Contact Community Outreach Team-member, Katrina Baer, for more details! [kbaer@calfrac.com](mailto:kbaer@calfrac.com)**

**Register Now**

### ***Oilfield Helping Hands (OHH) Sporting Clays Tournament***

**Date:** May 14<sup>th</sup>, 2021

**Time:** 12:00 pm – 5:00 pm

**Location:** Colorado Clays Shooting Park | 13600 Lanewood Street, Brighton, CO 80603

Cost: Multiple Individual and Team Packages Available  
Sponsorship: Multiple Sponsorship Packages Available  
Registration Deadline: May 7th, 2021

**Description:**

The Fellow charitable organization and long-time SPE Denver Section partner Oilfield Helping Hands (OHH) is holding a sporting clays tournament fund raiser. Please help SPE Denver support our local petroleum community by possibly supporting OHH. Oilfield Helping Hands extends sincere thanks to all its supporters for their efforts in making this event a success.

Please Contact OHH Rockies Member Lauren Liebeling, for more details! [rockies@oilfieldhelpinghands.org](mailto:rockies@oilfieldhelpinghands.org)

**Register Now**

**Girls Exploring STEM (GESTEM) | Society of Women Engineers Rocky Mountain Section (SWE-RMS) - Call for Volunteers**


**Date:** May 19<sup>th</sup>, 2021.  
**Time:** 8:00 am – 1:00 pm.  
**Location:** Virtual Event

**VOLUNTEER FOR GESTEM**

**Wednesday May 19, 2021**  
**8:00 am - 1:00 pm**

SWE Rocky Mountain Section is hosting their annual Girls Exploring STEM (GESTEM) event virtually this year. This event takes middle-school-aged girls through workshops created by STEM professionals. Volunteer as Group Guide, and help a small group of girls with each workshop.

Sign up by emailing [gestem.guide@gmail.com](mailto:gestem.guide@gmail.com) or reach out to Hilary Moore with questions [hilary.moore@chevron.com](mailto:hilary.moore@chevron.com)



**Description:**

The Society of Women Engineers Rocky Mountain Sections holds an annual GESTEM event with the goal of empowering girls by introducing them to the exciting possibilities of STEM careers. This year the event will be held virtually and there will only be 3 workshops (instead of the 40+ normally held). As event hosting is limited, SPE volunteers will participate as Group Guides. Each Group Guide will lead ~5 girls through the event and interact with them one-on-one all day. Each guide will receive a kit two weeks in advance with materials, view an advance training prepared by the workshop presenter on how to put together the kit, and be prepared to help their group of girls through the activity.

For more information about GESTEM, visit this website: [SWE RMS GESTEM - SWE Rocky Mountain Section](http://swe-rms.org) (swe-rms.org).

For more information about volunteering for GESTEM, visit this website: [SWE RMS GESTEM Volunteers - SWE Rocky Mountain Section](http://swe-rms.org) (swe-rms.org).

Please Contact Community Outreach Team-member, Hilary Moore, for more details! [hilary.moore@chevron.com](mailto:hilary.moore@chevron.com)

**Register Now**

Watch this space for additional upcoming volunteer opportunities in the Denver area.

## JOINT EFFORT— SPE Denver Section and Rocky Mountain MiT

There is a new effort afoot to help Rocky Mountain region oil industry professionals affected by the industry downturn that has been amplified by the pandemic. Several professional societies have banded together to launch Rocky Mountain Members in Transition, or MiT. This is an outgrowth of the MiT effort by the Society of Petroleum Engineers (SPE) in Houston that the Association of American Petroleum Geologists (AAPG) has joined. Other associated Rocky Mountain organizations now include SPE, AAPG, COGA, DWLS, RMAG, WEN, WOGA, and the University of Colorado, Denver GEM Program. The purpose is to help association members amid a career transition. For more information, please contact Susan Nash at [snash@aapg.org](mailto:snash@aapg.org) or Terrilyn Olson at [tmolson8550@gmail.com](mailto:tmolson8550@gmail.com).

### Upcoming Events:

#### ***Members in Transition Webinar Series with Dr. Ronald Bell***

**Date:** May 6th, 2021

**Time:** 12:00 pm

**Location:** Online Webinar

Free

#### **Description:**

MiT proudly announces an upcoming webinar with Dr. Ronald Bell, titled: "The Era of Drone Geoscience" Register free online on the Denver International Petroleum Society website, here:

[Register Now](#)

For some geoscientists and engineers, the application of drones has become the status quo while for others the door has just opened with the opportunity to apply their skills and knowledge to improving how the earth and its processes are measured. Measurements with laser light scanners achieve amazing accuracy and precision, others map the lateral variations of the earth's magnetic field to precisely locate legacy oil and gas wells and map geology. The detail achievable with drone geoscientific data is dwarfed only by the volume of data that must somehow be managed, processed, and boiled down to useable and useful information. During the coming decade, there will be much to be accomplished as the geoscientific community dives headlong into the era of drone geoscience.

Ron has conducted, processed, visualized, and interpreted numerous commercial drone magnetic surveys for a variety of objectives including but not limited to resource exploration (i.e. minerals, groundwater, & O&G) and environmental subsurface site characterization. He is presently conducting field trials of two shallow looking electromagnetic (EM) system and plans for several other geophysical systems adapted for use with a drone. Ron began applying drones for geoscientific mapping in 2014. In 2018, he became the only living geoDRONEologist, (pronounced geo-DRONE-ologist) on the planet Earth. He is known globally as an

energetic advocate for the use of small unmanned aerial vehicles (sUAS) to the autonomous collection of geophysical and remotely sensing data. He holds a BS in Applied Geophysics from Michigan Technological University.

### ***Members in Transition Webinar Series with Dr. Raymond Franssen***

**Date:** May 20th, 2021

**Time:** 12:00 pm

**Location:** Online Webinar

Free

**Description:**

MIT proudly announces an upcoming webinar with Dr. Raymond Franssen, titled: "Facing the Energy Transition: Some Choices and Actions for Oil & Gas Industry." Register free online on the Rocky Mountain Association of Geologists (RMAG) website, here:

**Register Now**

The energy transition imposes fundamental changes and unparalleled short- and long-range challenges to the oil and gas industry. Concerns about stranding assets and financial risks abound. The presentation briefly introduces our energy system and the related climate crisis and sketches possible GHG emissions scenarios and the related energy-demand curves till midcentury. Actions in the oil supply chain that reduce CO<sub>2</sub> - and methane emissions and the introduction of emissions tracking & reporting standards are required. We will also briefly look at the role Carbon Capture and Storage (CCS) may play in the energy transition. Raymond joined the upstream oil and gas industry 32 years ago as a geologist. He has worked in Europe, Gulf of Mexico, Middle East, North Africa and SE Asia for Shell and its Joint Ventures. A successful global explorer with multiple commercial oil and gas discoveries in different basins he developed a wide perspective on energy issues. Leadership roles include developing and implementing a global transformational change project for Shell global exploration. He earned a B.Sc. from Leiden University, M.Sc. and Ph.D. from Utrecht University, the Netherlands. In May 2020 Raymond founded Synergeo LLC, a forward-looking energy business consultancy supporting the oil and gas industry to navigate the energy transition.

Please contact Members in Transition team-member Ben Nathan, for more details! [bnathan@gmail.com](mailto:bnathan@gmail.com)

## Society of Petroleum Engineers - Denver Section

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