

SPE-DENVER NEWSLETTER

FEB 2023



GENERAL MEETING

Sealed Wellbore Pressure Monitoring (SWPM) and Calibrated Fracture Modeling: The Next Step in Unconventional Completions Optimization

Location

- Denver Athletic Club
 - 1325 Glenarm Pl, Denver, CO 80204

Date

- Wednesday, February 15th, 2023
 - 11:30 AM – 1:00 PM

Speaker

- Karen Olson
 - Senior Completions Advisor (Well Data Labs, Inc.) and SPE Completions Technical Director.

EARLY BIRD REGISTRATION CLOSING 02/13 AT 1200

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Session Overview

Sealed Wellbore Pressure Monitoring (SWPM) has been utilized across North and South America Basins with over 16,000 stages monitored as of June 2022. Since May 2020, the analysis procedure has been automated using a cloud-based software platform designed to ingest, process, and analyze high-frequency hydraulic fracturing data (Iriarte et al., 2021). A real time option of SWPM was also developed to aid in real time fracturing decisions (Ramirez et al., 2022).

Meet our Speakers



Karen Olson is a Senior Completions Advisor for Well Data Labs, Inc. Previously Karen was the Technology Director for Southwestern Energy Company. Ms. Olson has been a Completion/Reservoir Engineer for almost 40 years, starting her career as a Frac Engineer for The Western Company of North America. She has also worked at Holditch and Associates, Mobil, and BP working Deepwater GOM, Onshore Unconventionals & Conventionals and the North Sea. Karen has been active with SPE and is currently the SPE Completions Technical Director. Karen holds a BS degree in Petroleum Engineering from LSU and a MS degree in Petroleum Engineering from Texas A&M. She currently serves on the Texas A&M Petroleum Engineering Department Industry Advisory Board and the SPE Board of Directors.

COMPLETIONS STUDY GROUP - TECHNICAL HH

Optimization of Perforation Efficiency in the Delaware Basin Through Perforating and Innovative Perforating Charge: A Case Study.

Location

- In-person Meeting:
 - Denver Earth Resources Library
 - 730 17th Street B-1, Denver, CO 80202

Date

- Tuesday, February 21th, 2023.
 - 4:00 PM – 6:00 PM

Speaker

- Adam McQueen
 - Market Development Manager, DynaEnergetics.

Study Group Overview

This case study looked to identify a perforation design and a perforation charge that measurably increases Perforation Efficiency (PE) and reduces PE variability from stage to stage. Achieving these goals allows for more economic fracture surface area generation as well as more informed decisions toward frac design and full field development. This straightforward trial allowed the operator to meaningfully reduce the cost of operations while type curves were met or exceeded.

EARLY BIRD REGISTRATION CLOSES 02/20 AT 1200

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Meet our Speaker

Adam McQueen has a Chemical Engineering degree from Georgia Tech, he journeyed across most of the lower 48 shale basins as a field engineer with Calfrac. He relocated to Denver in 2012 to join the fracturing technical & sales team at Sanjel. After leading technical sales for Keane in Denver starting in 2014, he became regional director of sales when Keane merged with C&J to form NexTier. Today, he's at DynaEnergetics, bringing his fracturing expertise to the perforating game. Outside of work, Adam enjoys time with his family: wife Val, daughter Nora, and son Benson. Adam and Val took a yearlong sabbatical in 2017 to travel the world before starting their family.

COMMUNITY OUTREACH



SPE Serves Breakfast at the Denver Rescue Mission

Location

- Lawrence Street Community Center
 - 2222 Lawrence Street, Denver, CO 80205

Date

- Tuesday, February 21st, 2023.
- 6:45 AM – 8:30 AM

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 Rescue Mission. 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. Volunteers must be vaccinated. Masks may be required.

- Please get in touch with community outreach team member **Nico Cosca** for more details!



Judges needed
February 24th, 9am - 5pm

SPE Volunteer at the Science Fair!

Location

- CU Denver Student Wellness Center
- 1355 12th St, Denver, CO 80204

Date

- Friday, February 24th-25th, 2023.
- Time: 9:00 AM - 5:00 PM

Description

We are excited to announce that judge registration is now open for the 2023 CoorsTek Denver Metro Regional Science and Engineering Fair! Join SPE and other volunteers and show your enthusiasm and expertise to help our student researchers get the most out of their fair experience. Judges engage directly with students and their projects, asking questions, guiding discussions, and ultimately selecting the fair winners. Year over year, students report that the #1 reason they participate is the opportunity to meet and receive feedback from real live STEM professionals. Help us show students that This is what a scientist looks like!

- For more information, contact **Nico Cosca** for more details!

WATCH THIS SPACE FOR ADDITIONAL UPCOMING VOLUNTEER OPPORTUNITIES IN THE DENVER AREA.



ESPECIAL EVENTS



The next Denver Section Industry Advisory Committee (IAC) meeting will be held via Zoom from 0900-0930 on February 22, 2023. The Committee is comprised of key engineering and geoscience staff from service, midstream, and upstream energy industry companies with operations in the Rockies.

The purpose of the IAC is to provide companies with an opportunity to provide input to the Denver SPE Section on how the Section can best serve their Denver-based professional staff. Anyone not already on the Committee wishing to attend can contact [John Benton](mailto:JHBenton@mines.edu) (JHBenton@mines.edu) or [Joe Dumesnil](mailto:JDumesnil@overlandoil.com) (JDumesnil@overlandoil.com) for more information.

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ESPECIAL ANNOUNCEMENTS



SPE 43rd Annual Winter Tournament
RACQUETBALL/HANDBALL
February 24, 2023 | Denver Athletic Club | 12:30 PM

SPONSORSHIPS AVAILABLE!

YPE • YPE & SPE YP Denver.



SKI FAST ENERGY BASH
WINTER 2023

REGISTRATION NOW OPEN!

Come take over the slopes with us for a fun weekend of skiing, food, drinks and great networking with energy professionals from around the country!

MARCH 3-5TH, 2023
📍 KEYSTONE, COLORADO

SPONSORSHIPS OPPORTUNITIES AVAILABLE!

Questions? Contact Maureen Evenston at YPE (maureen.evenston@gmail.com | 612.759.8688) For sponsorship, contact Andrew Johnson at SPE YP (AJohnson23@slb.com | 346.262.5461)

YPENERGY.ORG/DENVER
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Register Now!

