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Society of Petroleum Engineers Denver Section

Dear ,

I hope you had a great Thanksgiving holiday. There are a few things to be aware of upcoming this month. Our chapter is holding a special holiday happy hour with the Denver Geologic Society. The first 200 in the door will get free drinks, so it is bound to be a great networking event. Find more information below.

Also, SPE is accepting nominations for regional and international awards now through February 15th. The awards process is nomination driven, and you can't nominate yourself. Nominate your colleagues to recognize their professional, technical, and/or service accomplishments to the oil and gas industry as well as to society.

Finally, SPE's 2014 Western North America and Rocky Mountain Joint Conference and Exhibition registration is now open. It is being held in downtown Denver and is being organized by several people in our chapter. Please check out their website for more information.

Have a great December.

Cheers,

Kelly Wilson

Newsletter Editor

December 3, 2013

General Meeting

Topic: **Fracture Network: Reservoir's Friend or Foe?**

Speaker: Faisal AlThawad, Saudi Aramco
Date: December 18th, 2013
Time: 11:30am - 1:00pm
Place: Denver Athletic Club, 4th Floor -- 1325 Glenarm Place, Denver, 80202

Register: [Click Here](#)-- by Noon Monday, December 16th

While fractures can enhance the recovery of hydrocarbons from tight formations, the highly permeable conduits they form can also lead to a pre-mature breakthrough of gas or water. Any accurate simulation requires precise modeling of the existing heterogeneities in the field; hence, understanding the effects of fracture networks and flow boundaries will help build robust simulation models, with more realistic predictions for better reservoir management.

Often little information is available from core and log studies about the actual physical characteristics and magnitude of the fractures, yet it is limited to the description of near-wellbore fracture systems. Whereas, the ability to accurately predict the behavior of fluid flow in a reservoir scale requires the understanding of the inter-well fracture systems and the ability to differentiate between their conductivities to migration of fluids.

This presentation will share the in-depth understanding of fracture networks in a reservoir scale. Most of these experiences have been gained from integrating various sources of technical information and

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Networking Event:

from analyzing large pressure and production data using modern techniques, including real-time analysis. The presenter will attempt to address the following queries: What do you need to consider in modeling fracture systems? How is it done? Will the power of numerical solutions help improve our understanding? Is an integrated work-flow, ranging from reservoir testing to reservoir simulation a “must”?

Biography

Faisal AlThawad is a consultant in pressure transient analysis with Saudi Aramco’s Reservoir Description and Simulation Department since 1996 with extensive experiences in exploratory testing operations and supervision, specialized in complex well tests including modeling faults, fractures and complex well geometries such as multilateral wells. Currently he is working on his PhD research on fracture networks at Heriot-Watt University. He received his BSc, from King Fahad University of Petroleum and Minerals at Dhahran, Saudi Arabia, and an MSc in Petroleum Engineering from Heriot-Watt University. He has nearly 21 years of total experience in various petroleum disciplines including drilling, reservoir management, simulation, and completed a six-year Specialist Development Program on “Reservoir Testing/New Technologies” with focus on fractures identification, characterization and modeling. Faisal held several leadership positions within the Petroleum Engineering Departments at Saudi Aramco. He is a member of SPE and EAGE and participated in many national and international conferences. He has authored a number of technical papers in the field of well testing. Faisal was selected as a panelist and invited to deliver speeches in a number of national and international technical meetings and universities as well as serving as a program committee member in several SPE events.

Western North American/Rocky Mountain Joint Conference and Exhibition

 **April 15-18, 2014**

[Sheraton Denver, Downtown](#)

The SPE 2014 Western North America and Rocky Mountain Joint Conference and Exhibition will provide an opportunity for E&P industry professionals to learn about new technologies and to network with others in our regions.

The program includes:

- Keynote luncheon
- Networking events
- Poster session
- Panel session
- One and two-day short courses
- Two day technical program
- Awards luncheon

The main theme is to cross-pollinate ideas and technology between unconventional and conventional Assets.

Sponsorship and exhibition opportunities are available.

[Register now and view more information about the conference >>](#)

Young Professionals

Denver Geophysical Society/SPE Holiday Happy Hour

Dec 12th, 4:30-6:30pm

Marlowe's Restaurant

The biggest social networking event in the rocky mountains!

Join us for appetizers, free drinks to the first 200 through the door. Bring your business cards and get there early - the room fills up fast!

No Registration, just bring yourself and business cards.

 [Add to Your Calendar](#)

SPE Continuing Education

Jan 28-29, 2014

[Oil and Gas Reserves: The SEC Reporting Rules](#)

Feb 25-26, 2014

[Water Treating for Hydraulic Fracturing](#)

Mar 25-26, 2014

[Shale Evaluation and Development](#)

Save The Date:

34th Annual SPE Handball/Racquetball Tournament

Friday, Feb 21, 2014
12:00 PM 'til finished
Denver Athletic Club

All levels of Participation

Funds to benefit the Denver Section SPE Scholarship fund

SPE Denver needs your help with the following volunteer positions:

Drilling Study Group Chair

Website Committee

Study Group Committee

Awards Committee

LUNCH AND LEARN

Speaker: Ted Wilke, VP of SPOC Automation
Date: Wednesday, December 11, 2013
Time: 11:30am-1:00pm
Location: Sanjel Office, 511 16th Street, Suite 300, Denver
RSVP: Anne Becker @ abecker@petro-fs.com to ensure we get enough pizza

Ted Wilke, VP of SPOC Automation, has accumulated 18 years of industry experience, including 13 years specializing in control systems and five years specializing in electrical power distribution systems. Before joining SPOC, Wilke was the global product line manager of solid state controls for the Eaton Corporation. He holds a bachelor degree in Mechanical Engineering from the University of Wisconsin. SPOC Automation is the leading full line manufacturer of variable speed drives for the oil and gas industry in North America. Primary applications include beam pumps, injection pumps, ESPs, and VRUs. SPOC has factory sales and service technicians throughout the United States and is headquartered in Trussville, AL. During his presentation, Ted will touch on the following topics, as well as be open for questions and discussion:

- IEEE519 code and standards
- What it means to us in the oilfield
- Technological solutions: the how, what and why
- Practical real world application of each solution

We look forward to seeing you there and participating in a very practical, real-world discussion!

HAPPY HOUR

Date: Wednesday, December 11
Time: 4:30-6:30pm
Location: Rock Bottom Brewery - back room, 1001 16th St, #100

SPEAKERS WANTED!!

Please send along the Speaker Name / Contact Information and proposed topic, and we will touch base right away. Thanks for your interest!

Sincerely,

[Anne and Kyle](#)

SPE – YP Denver Chapter, Technical Programs, Lunch & Learns

Membership Report

Denver Section Membership- As of November 20, 2013

From October to November, our section saw a net gain of 38 members. As of November 20th, we had 2762 full members, of whom 871 are designated as Young Professionals (31.5% of total). As of November 20th, we had 395 student members. In November 2012 our full member count was 2521 (9.6% increase in 2013) and our student member count was 339 (increase of 16.5% in 2013).

Community Outreach
Committee

Please [email us](#) if you would like to volunteer for any of these positions!

Welcome New SPE Members:

Peter Brookens
Stephanie Burleson
Alec Cortez
Brandon Dobbs
Brian Engebretson
Michael Fuller
Logan Fuller
Philip Grant
Jeremiah Henson
Reece Laudick
James McDonald II
Jon Payne
Matthew T Pullos
Mark Rauch
Kindra Snow-McGregor
Patrick L Tcheunou
Andrew Wailes
Mark R. Wood

Welcome SPE Members Transferring to Denver:

Daniel C Anderson
Reed Baker
Luis Ramon Campos
Timothy Andrew Mckernan
Elizabeth Yermoshkina

Society of Petroleum Engineers - Denver Section

Americas

222 Palisades Creek Dr.

Asia Pacific

Level 35, Gardens South Tower

Europe

1st Floor, Threeways House

Middle East

Fortune Towers, 31st Floor

+1.972.952.9393 | E-mail |

SPE members receive periodic emails on events and programs related to the section to which they belong. If you no longer wish to receive emails from this section, please opt-out. You may also choose to review your email preferences with SPE International.

