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Society of Petroleum Engineers Denver Section

Dear ,

Happy New Years! I hope you had a great 2013, and are looking forward to 2014, as I am. Our chapter has some things to be aware of coming up.

SPE Denver is looking into some new community outreach opportunities. A lunch and learn is being organized for membership to have input into that process. Free lunch will be provided. See below for more details on how to RSVP.

Also, SPE is accepting nominations for sectional, 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. See below for more information about sectional awards.

SPE's 2014 Western North America and Rocky Mountain Joint Conference and Exhibition have set their short courses. There are five, 1-2 day courses being offered prior to the main event on topics such as Unconventional Reservoir Production Analysis and Waterflooding Techniques, Design, Prediction and Optimization. The conference is being held in downtown Denver and is being organized by several people in our chapter. Please check out their website for more information.

And finally, congratulations to the newly elected board for the SPE Colorado School of Mines. See below for more information about them.

Have a great 2014.

Cheers,

Kelly Wilson

Newsletter Editor

January 2, 2014

General Meeting

Topic: Now your Neighbors are Frac Experts?

Speaker: Mike Eberhard, Completion Manager, Anadarko

Date: January 15th, 2014

Time: 11:30 to 1:00pm

Place: Denver Athletic Club, 4th Floor -- 1325 Glenarm Place, Denver, 80202

Register: [CLICK HERE](#) by Noon Monday, January 13th.

With increased focus on hydraulic fracturing in the media, legislature, communities, etc., the public has become much more aware of the process. The problem is a significant amount of the information they are receiving is inaccurate, incomplete, or simply wrong. The recent election results show that unless the industry does a better job of communicating with the public we are in for a rough road ahead. This presentation is designed to help you talk with your family, friends, neighbors, anyone who will listen hopefully in a manner that helps them understand the issues.

Biography

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Mike Eberhard is the Completion Manager for Anadarko's Rockies GWA team in Denver, CO. He has been with Anadarko for 2 yrs. and has helped to establish their horizontal well program in the Rockies. Before joining Anadarko Mike retired from Halliburton after more than 30 years' service. The majority of his career has been in pumping services, focusing on hydraulic fracturing. He is a 1980 graduate of Montana State University with a BS degree in mechanical engineering, and is a registered professional engineer in petroleum engineering. Mike was a 2009 Society of Petroleum Engineers Distinguished Lecturer, has held many SPE positions and is currently the SPE Rockies Regional Director, and has been involved with several SPE technical meetings and ATWs. He is author or co-author of 12 SPE papers along with several industry articles.

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 >>](#)

Volunteer Opportunities Lunch and Learn

Topic: Denver Section 2014 Community Outreach Opportunity

Date: Wednesday January 22nd, 2014
Time: 11:30am - 12:30pm
Place: Anadarko's Office, 1099 18th St, 7th floor
RSVP: By Noon, Monday, January 20th, email denver.spe@gmail.com

Come learn about our sections' 2014 community outreach plan and opportunities to get involved. Free lunch will be provided. We will talk specifics on the partnership with Denver Public Schools, plus Energy 4 Me, Ambassador Lecture Program, public outreach and any other questions you have.

Regional/Sectional SPE Awards

Regional and Section awards recognize members who contribute exceptional service and leadership within SPE, as well as making significant professional contributions within their technical disciplines

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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

34th Annual SPE Handball/Racquetball Tournament

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

[Sign Up Now](#)

All Skill Levels Welcome

Funds to benefit the Denver Section SPE Scholarship fund

SPE Denver needs your help with the following volunteer positions:

Drilling Study Group Chair

Awards Committee

Community Outreach Committee

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

Welcome New SPE Members:

- Erica Archuletta
- Ben Bagherian
- Shiera Cristina Bova
- Kirill Bryukhanov
- Travis Fouts

at the SPE Regional level. To nominate a colleague for any of the following awards please contact Jon Schmidt at jon_schmidt@eogresources.com. Deadline to nominate is February 15, 2014.

Technical Awards

- Completions Optimization and Technology Award
- Drilling Engineering Award
- Formation Evaluation Award
- Health, Safety, Security, Environmental and Social Responsibility Award
- Management and Information Award
- Production and Operations Award
- Projects, Facilities and Construction Award
- Reservoir Description and Dynamics Award

Professional Awards

- Distinguished Achievement Award for Petroleum Engineering Faculty
- Distinguished Corporate Support Award
- Service Award
- Young Member Outstanding Service Award

For more information please visit www.spe.org/awards

Reservoir Engineering Study Group

Topic: Status of SPEE Monograph 4 – Estimating Developed Reserves in Unconventional Reservoirs

Speaker: John Seidle, Vice President, MHA Petroleum Consultants
Date: January 23rd, 2014
Time: 11:30am - 1:00pm
Place: Halliburton's office: 1125 17th St, Suite 1900, Denver
RSVP: By Monday, January 20th, to Deb Ryan at dryan@mhausa.com

The rapid expansion of oil and gas production from unconventional reservoirs in the last few years has exceeded the industry's ability to forecast performance of wells completed in these formations. Several industry groups, including the SPEE, are working to develop guidelines for assigning reserves in unconventional plays. In 2010 the SPEE released monograph 3 addressing undeveloped reserves in resource plays and has formed a committee to draft monograph 4, entitled "Estimating Developed Reserves in Unconventional Reservoirs". This talk begins with a short explanation of the committee's charge, its history and composition then moves to present status and current timeline for the draft monograph before concluding with the current recommended workflow and different analysis procedures for assigning developed reserves in unconventional reservoirs.

Biography

[John Seidle](#) is a Vice President with MHA Petroleum Consultants LLC in Denver, Colorado. He has more than thirty years of experience in unconventional gas and oil reservoir engineering in domestic and international plays. His current duties include unconventional reservoir engineering, reserve studies and economic evaluations, and serves as an expert witness for litigation and regulatory hearings. Privileged to work with others on over 25 technical papers and 6 patents, he is the author of Fundamentals of Coalbed Methane Reservoir Engineering. He is chair of the SPEE committee working on Monograph 4 "Estimating Developed

Aaron Gaipf
Dan Munier
Kyle Pierskalla
Conor Sullivan Talley

Welcome SPE Members Transferring to Denver:

Kent Earle
Beau Moore
Claudio Ramos
Philip Smith

Reserves in Unconventional Reservoirs". He received a PhD in Mechanical Engineering from the University of Colorado, is a member of SPE, AAPG, and SPEE, and is a Registered Professional Engineer in Colorado, Oklahoma, and Wyoming.

Completions and Production Study Group

Topic: Why Do Propped Fracs Collapse?

Speaker: Mike Vincent, Consultant
Date: January 16th, 2014
Time: 11:30am - 1:00pm
Place: Halliburton's office: 1125 17th St, Suite 1900, Denver
RSVP: By Monday, January 13th, to Wendell Salas at Wendell.Salas@halliburton.com

This presentation will review irrefutable field evidence that propped fractures are collapsing or "healing" in a wide range of reservoir types, including the Bakken, Marcellus, Eagle Ford, Barnett, and Haynesville.

A number of mechanisms have been proposed that may account for this surprising lack of durability of propped fracs. It appears that the necessary design changes to address these problems will be different in each field. This presentation will list some of the improved treatments that have been successful in increasing initial well productivity, or achieve more durable fractures which reduce the need for restimulation.

Recent field studies in the Bakken investigated the impact of overflushing proppant. These results suggest there may be some simple design changes that can add significant value with minimal cost or risk.

Biography

Mike Vincent is a consulting engineer specializing in fracture optimization and training. After completing his degree at the Colorado School of Mines, he worked with Amoco, ARCO and CARBO prior to establishing Insight Consulting and becoming an independent consultant in 1996. An active member of the Society of Petroleum Engineers, Vincent has authored more than 30 SPE papers and serves as a technical editor for three SPE journals.

Mike frequently lectures at universities and presents fracturing schools to numerous companies and organizations, and has served as an SPE Distinguished Lecturer and Distinguished Author. For more information, contact mike@fracwell.com

CSM SPE Student Chapter

Congratulations to the newly elected Board for the Colorado School of Mines SPE chapter:

President- [Doug Wilson](#)

Vice President- Lyle Hanson

Treasurer- Hu "Jack" Xiexiaomeng

Secretary- Allan Kittle

ATCE Chairs- Lyle Kelly and Kapri McMillan

Social/Service Chair- Brandon Smith

John Session Chairs- Sherene Jawing and Cassie Whalen

Ambassador- Madeline Levy

Fundraising Chairs- Will Stevens and Sara Heskin

Webmaster- Blakley Farrow

Faculty Advisor- [Dr. Linda Battalora](#)

For More information, visit the [CSM SPE website](#).

CSM Spring 2014 Graduate Courses

Colorado School of Mines will be offering the following graduate courses this spring semester. Occasionally a professor will offer a class that is not on the list. Please attend the meeting and provide your input. Interested parties should Attend the meeting scheduled for **12:00 Noon Wednesday, January 8th, 2013 Marquez Hall 108.**

[Visit our website for more information about the courses and links to CSM's website.](#)

PEGN 502A ADVANCED DRILLING FLUIDS

PEGN 519A ADVANCED FORMATION EVALUATION

PEGN 530A ENVIRONMENTAL LAW

PEGN 591A SHALE RESERVOIR ENGINEERING

PEGN 592A GEOMECHANICS FOR UNCONVENTIONAL RESOURCES

PEGN 598A GEOSTATISTICS

PEGN 598LA GEOSTATISTICS LAB

PEGN 605A WELL TESTING AND EVALUATION

PEGN 615 A SHALE RESERVOIR ENGINEERING

PEGN 620A NATURALLY FRACTURED RESERVOIRS

Membership Report

Denver Section Membership- As of December 18th, 2013

During the months from November to December our section saw a net gain of 28 members. At the beginning of December, we had a total of 2790 full members, of whom 890 are designated as Young Professionals (31.9% of total). As of the beginning of December, we had 392 student members. At the beginning of December 2012, our full member count was 2547 (increase of 9.5% YOY) and our student member count was 371 (increase of 5.7% YOY).

Society of Petroleum Engineers - Denver Section

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Richardson, TX 75080-2040 USA

Asia Pacific

Level 35, Gardens South Tower
Mid Valley City, Lingkaran Syed Putra
59200 Kuala Lumpur, Malaysia

Europe

1st Floor, Threeways House
40/44 Clipstone Street
London W1W 5DW UK

Middle East

Fortune Towers, 31st Floor
Offices 3101/2, JLT Area
P.O. Box 215959, Dubai, UAE

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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.

