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October 2, 2017

GENERAL MEETING

Shale Development - Does Cheap Energy Really Mean Flaming Tap Water?

William Fleckenstein - Colorado School of Mines Distinguished Lecturer

📍 Denver Athletic Club

📅 October 18, 2017, 11:30 AM - 1:00 PM

Tickets:

Members	\$25
Non-Members	\$35
Walk-Ins	\$45

[Register Now](#)

Abstract: Shale development in the US has been ongoing for at least the last decade, and many lessons can be learned from the US experience to help prevent air emissions and aquifer contamination in future developments around the world. Media reports and films such as "Gasland" imply that shale development is widely polluting fresh water aquifers and the atmosphere, with a wide range of estimates of contamination. This lecture examines the risk of contamination of aquifers through wellbores, either by hydrocarbon migration or hydraulic fracturing operations, and is primarily based on a comprehensive three-year study funded by the US National Science Foundation examining nearly 18,000 wells drilled in the Wattenberg Field in Colorado, plus other relevant studies. In the midst of the Wattenberg field is heavy urban and agricultural development, with over 30,000 water wells interspersed with the oil and gas wells, resulting in a natural laboratory to measure aquifer contamination. Lessons learned have universal applications with clear relationships established between well construction methods in both conventional and unconventional wells and contamination risks.

Biography: William Fleckenstein is an adjunct faculty member at the Colorado School of Mines, where he served as Interim Petroleum Engineering Department Head 2012-2014, and he also serves as the managing partner in Fleckenstein, Eustes &

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Associates, consulting on projects worldwide. He holds BSc, ME, and PhD degrees in petroleum engineering and has 30 years experience primarily in drilling, completions and workovers, with direct experience on over 200 wells and involvement in horizontal wells and stimulations since 1990. Dr. Fleckenstein has numerous publications and patented technologies in multi-stage fracturing, annular seal testing, and downhole hydraulic rotation.

CONTINUING EDUCATION

Introduction to Managed Pressure Drilling (MPD) and Underbalanced Drilling (UBD)

Deepak M. Gala - Shell Upstream Americas

📍 Location TBA

📅 October 24 & 25, 2017, 8:00 AM

1.6 CEUs (Continuing Education Units) will be awarded by SPE-Americas Office for this 2-day course.

Registration Deadline: Monday, October 9, 2017

[Register Now](#)

Description: This 2-day course will provide an introduction and overview of the current underbalanced and managed pressure drilling technology. The course will explain how and why UBD or MPD is carried out, highlight the differences between the two, and include the variations of MPD technologies such as dual gradient drilling and continuous circulation methods. It will provide a basic understanding of the equipment used in both drilling operations. The course highlights the relevant issues that need to be addressed in well planning and design as well as the well integrity and well control aspects for both UBD and MPD.

The objectives of this course are to understand:

- The basics of the UBD and MPD technologies
- When to use UBD and when to use MPD and what the various limitations and advantages are of these drilling techniques
- The equipment requirements for UBD and MPD and gain an understanding of how they differ in the well design process
- The engineering requirements for these drilling techniques

Instructor: Deepak M. Gala is Senior Well Engineer at Shell Upstream Americas. Prior to joining Shell, he was US commercial manager at Weatherford and US well control engineer at Cudd Well Control.

Outside of his duties at Shell, Gala is involved in many industry associations and initiatives with over 15 technical publications. He regularly teaches SPE-sponsored courses and serves on various regional and international SPE committees. Gala was recently selected to be a part of the new SPE Sustainability Committee and SPE International Young Professional Coordinating Committee. He was the first Weatherford employee to receive SPE's 2008 Outstanding Technical Editor Award for the Drilling and Completion Journal, the first to receive the 2010 International Young Member Outstanding Service Award, and the 2011 Young Engineer of the Year for the SPE Gulf Coast Section.



Gala earned a bachelor's degree in chemical engineering from Mumbai University, a master's degree in natural gas engineering from Texas A&M University-Kingsville, and an MBA in finance from Tulane University.

SPE AWARD NOMINATIONS ARE NOW OPEN

Applaud excellence in the E&P industry by nominating a colleague for an annual award given by the Society of Petroleum Engineers.

SPE Awards recognize expertise and contributions to the upstream oil and gas industry.

Awards will be presented at the regional and international levels for:

- Technical contributions
- Professional excellence
- Career achievement
- Service to colleagues
- Industry leadership
- Public service

On-line regional award nomination process only takes 15-20 minutes!

So, PLEASE think of someone who deserves recognition for their outstanding work in the E&P industry and visit:

www.spe.org/awards today!

Please consider nominating a colleague for an international award as well.

Nominations are now open.

International nominations will be accepted through February 15, 2018.

Regional nominations through March 1, 2018

YOUNG PROFESSIONAL UPDATES

Lunch & Learn - A View From the Bus Bench: Getting Off The Bench and On The Bus

David Ramsden-Wood - President and Chief Operating Officer, OneEnergy Partners

📍 Liberty Oilfield Services Training Room, 950 17th St. Suite 2400, Denver, CO 80202

📅 October 11, 2017, 11:30 AM - 1:00 PM

Please RSVP by 1:00 PM Tuesday, October 10. Lunch will be provided.

[Register Now](#)

Biography: David Ramsden-Wood is a licensed Professional Engineer with more than 15 years' engineering experience across all engineering disciplines with a focus on reservoir engineering, planning, and production engineering with companies including Sundance Energy, Enerplus, and Anadarko.

SPE YP Topgolf Halloween Costume Party!

📍 Topgolf Centennial, 10601 E. Easter Ave., Centennial, CO 80112

📅 October 27, 2017, 5:00 PM - 8:00 PM

[Register Now](#)

SPE – YP is kicking off the season with a Top Golf Halloween Event! Enjoy 3 hours of Top Golf, drinks, appetizers and prizes with friends and colleagues (non-members are welcome).

Registration Fee: \$35 per person. Register above, spots are limited!

Dress Code: Costumes are strongly encouraged!

Transportation: Party bus leaving downtown Denver at 4:15 PM (location TBD).

For sponsorship opportunities, please contact [Jessica Iriarte](#) and [Joey Hainsfurther](#).

FACILITIES STUDY GROUP

An Improved Technology for Recycled Water Solutions

5th Element Energy Services


📍 1625 Broadway Suite 2800 (Meet in Building Lobby)


📅 October 19, 2017, 11:30 AM - 1:00 PM

[Register Now](#)

Gas Gathering System Liquid Drop-out: Slugcatcher Sizing Implications

Elijah Kempton - Assured Flow Solutions

 1625 Broadway Suite 2800 (Meet in Building Lobby)

 October 25, 2017, 11:30 AM - 1:00 PM

[Register Now](#)

Overview: In today's low price environment, Facility Engineers no longer have the luxury of ignoring liquid drop-out in gas gathering systems. An important step in managing liquids is sizing slugcatchers appropriately at the beginning of a project to avoid facility flooding during routine system operation. Therefore, the purpose of this discussion will be to review the slugcatcher sizing methodology for a recent case study which utilized a "life of field" analysis approach. The specific topics that will be covered during this discussion are:


- Multiphase flow (gas, condensate and water together) overview
- Slugging behavior during normal operation
- Ramp-up slugging
- Pigging: slugs and frequency optimization
- Slugcatcher sizing – bringing it all together

Biography: Elijah Kempton has a BS in Chemical Engineering from the Colorado School of Mines and has technical experience on over onshore and offshore 100 projects throughout his 17 years of working in the industry. Mr. Kempton was recently profiled as a Denver Business Journal "Thought Leader" where he discussed his experiences of working internationally for 6 years. Mr. Kempton currently manages the Denver office of Assured Flow Solutions, a specialist flow assurance consultancy where he completes technical work and also manages the onshore portion of the business.

EDUCATION TRACK

Panel Session: Asset Development - Optimization for Now and the Long Term

 Anadarko, 1099 18th Street Suite 700, Denver



 October 19, 2017, 2:00 PM - 4:00 PM

[Register Now](#)

Panel Description: This panel is comprised of individuals who have been extensively involved in the development of unconventional assets on both the operations and services side. Their experiences **range** across multiple basins in the United States, across a variety of stages in the development **lifecycle**. They will provide insight into their paths to optimize development strategies for an asset and the surprises they encountered along the way. The focus of the discussion will be on pad design, well completion and spacing, production facilities, scalability, and the role of new technology, as well as how these topics fit into the overarching theme of commodity prices and business objectives.

OKTOBERFEST

COGA Fall Networking Event



 University of Colorado Denver, 1380 Lawrence Street, Denver
 October 19, 2017, 4:00 PM - 6:00 PM

[Register Now](#)

Register to attend the COGA Oktoberfest Fall Networking Event! An array of local brews will be offered along with appetizers. Meet COGA members and connect with local industry professionals!

The event is open to COGA and SPE members for \$50 and to non-members for \$60, which includes appetizers and beer. All proceeds from this event will benefit the American Red Cross as they continue to work to support the flood recovery efforts in Houston. Doors will open at 4pm and the event will run until 6pm on Thursday, October 19th.



MEMBER APPRECIATION HAPPY HOUR

 Earls Kitchen + Bar, 1600 Glenarm Place, Denver
 October 4, 2017, 4:30 PM - 6:00 PM

Join us for a drink and appetizers to network with friends, colleagues, and new connections. Feel free to bring workmates and introduce them to the SPE Denver Section. It's on us!

[RSVP](#)

MENTORING PROGRAM KICK-OFF

 Henry's Tavern, 500 16th St., Denver
 October 5, 2017, 6:00 PM

Would you like to be a mentor and give back to your industry?

General duration is for the school year or up to a year.

Meetings are driven by the mentee and usually have a meeting about once a month or every other month.

Correspondence by e-mail or on the phone.

Come have drinks and apps and learn more about Denver SPE's Mentoring Program connecting experienced professionals with students and young professionals!

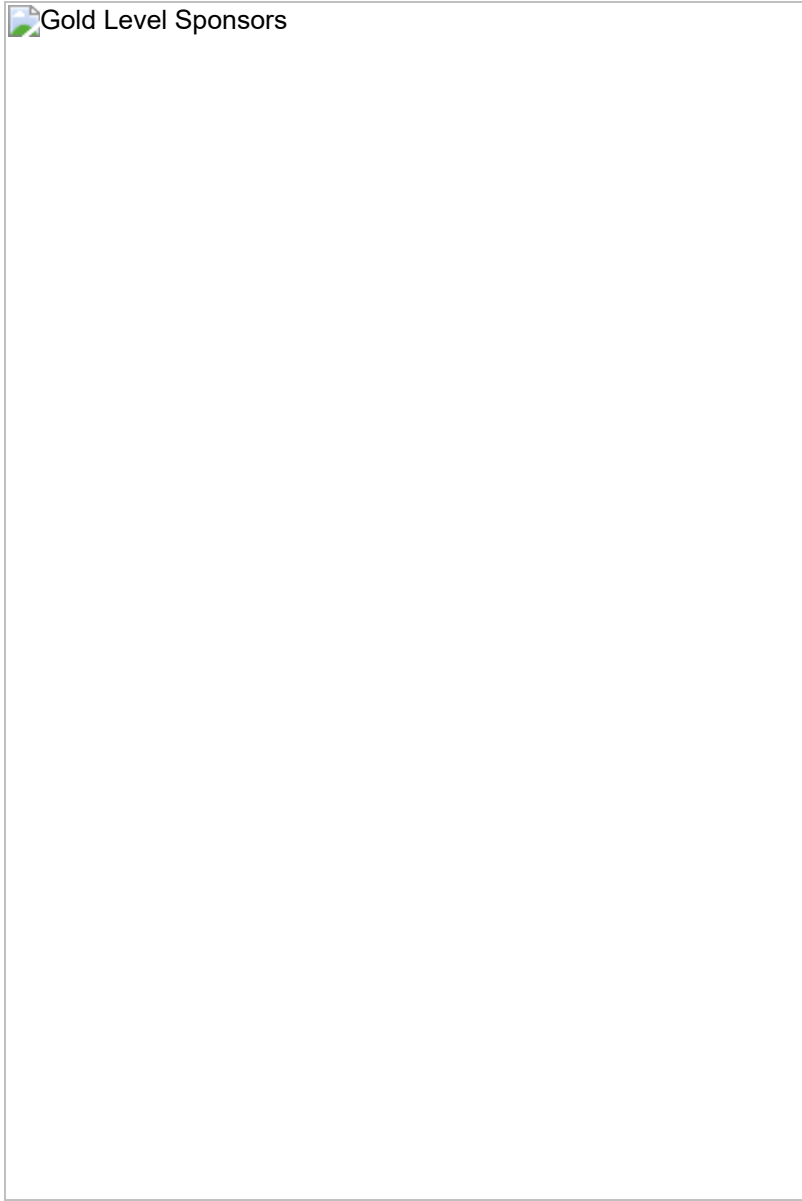
HURRICANE HARVEY RELIEF

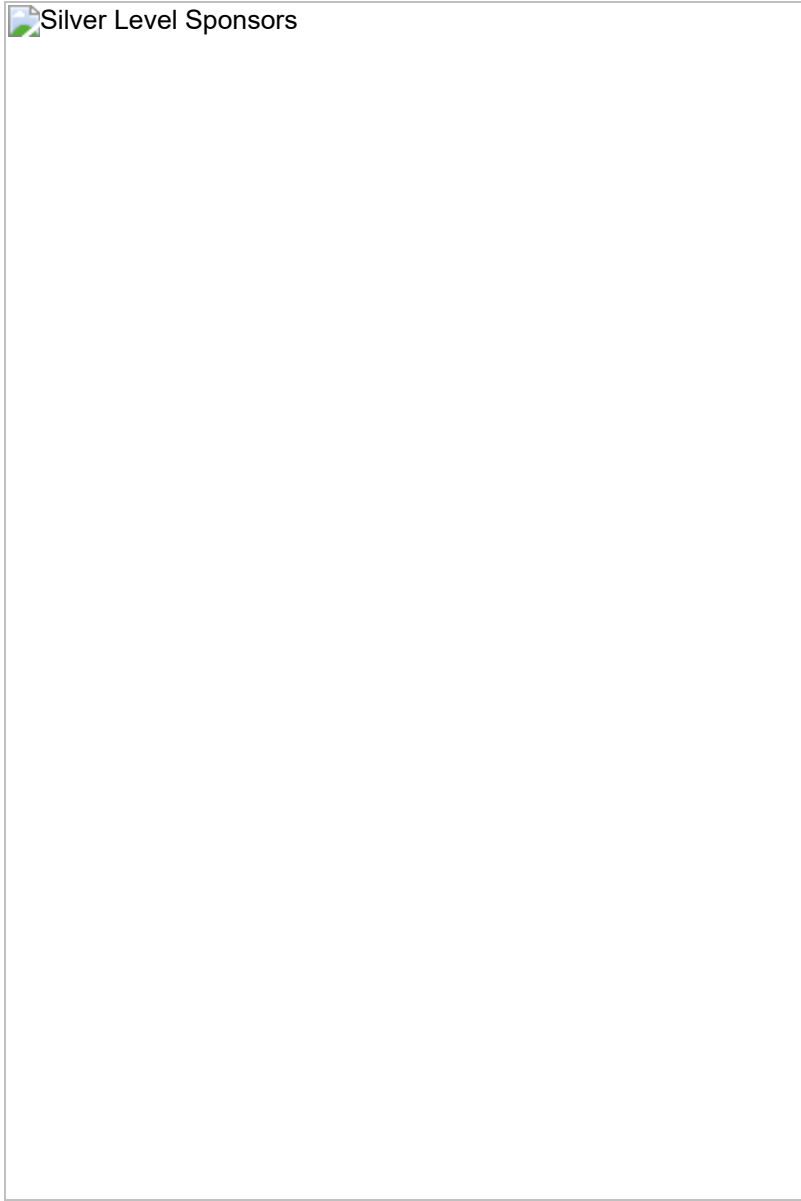
Thank you to those who have already contributed more than \$1,500 to the SPE Denver Hurricane Harvey Relief Drive. The section continues to accept donations to help our friends along the Gulf Coast rebuild from the devastation of the recent hurricane in Texas and Louisiana. The section will be matching contributions up to \$5,000. Please help us reach our goal! The drive will end on October 31st, 2017.

[Click here to donate](#)

2017 SPE GOLF TOURNAMENT A SUCCESS!

The 2017 SPE Golf Tournament was held August 4th at the Ridge at Castle Pines. Both morning and afternoon slots were full and everyone had a great time. Special Thanks to the sponsors of the tournament listed below. Through their generosity, the tournament was able to raise approximately **\$20,000** toward the Denver Section SPE Scholarship fund.





Society of Petroleum Engineers - Denver Section

<p>Americas 222 Palisades Creek Dr. Richardson, TX 75080-2040 USA</p>	<p>Asia Pacific Level 35, Gardens South Tower Mid Valley City, Lingkaran Syed Putra 59200 Kuala Lumpur, Malaysia</p>	<p>Europe 1st Floor, Threeways House 40/44 Clipstone Street London W1W 5DW UK</p>	<p>Middle East Fortune Towers, 31st Floor Offices 3101/2, JLT Area P.O. Box 215959, Dubai, UAE</p>
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