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SPE

Read below to catch up on all that is happening in the Denver SPE Section during the month of March!

And don't miss Distinguished Lecturer Mayank Malik at the March General Meeting. See below for details.

March 6, 2017

GENERAL MEETING

How Can Microfracturing Improve Reservoir Management

Mayank Malik, SPE Distinguished Lecturer

Denver Athletic Club
March 15, 2017, 11:30 AM - 1:00 PM

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

[Register Now](#)

Registration closes Monday, March 13, 2017 at 5:00 PM

Abstract: Microfracturing is an excellent method of obtaining direct stress measurements, not only in shales but also in conventional reservoirs. Recent advances have shown that microfracturing can help improve reservoir management by guiding well placement, completion design, and perforation strategy. Microfracturing consists of isolating small test intervals in a well between inflatable packers, increasing the pressure until a small fracture forms and, by conducting a few injection and shut-in cycles, extending the fracture beyond the influence of the wellbore. This talk describes the microfracturing process and presents several examples that led to increased hydrocarbon recovery by efficient stimulation and/or completion design. Case studies presented range from optimizing hydraulic fracturing in unconventional, determining safe waterflood injection rates in brownfields, and improving perforation placement in ultra-deepwater reservoirs.



Bio: Mayank Malik is the global formation testing expert at Chevron Energy Technology Company and is a champion for advancing research on microfracturing. He holds a BS degree in mechanical engineering from Delhi College of Engineering, an MS degree in mechanical engineering from University of Toronto, and a PhD in petroleum engineering from the University of Texas at Austin. Malik has authored numerous papers on petrophysics, formation testing, and microfracturing. He serves on the SPE Reservoir Description and Dynamics advisory committee and is the chairman of the SPWLA Formation Testing Special Interest Group.

CONTINUING EDUCATION



Introduction to Petroleum Engineering

Dr. Richard L. Christiansen, Professor, The University of Utah

Registration Deadline: **Friday, April 7, 2017**
Course Dates: Wednesday-Thursday, April 26-27, 2017
Course Info: [Introduction to Petroleum Engineering](#)

This course builds on content of a new text, Introduction to Petroleum Engineering, co-authored by Dr.

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Christiansen and Dr. John R. Fanchi and published by Wiley in 2016. The intent of the text and the course is to introduce engineers and non-engineers to tools and methods used by petroleum engineers to produce oil and gas resources. Going beyond verbal descriptions, participants will work with important concepts and relationships at an introductory level. Participants will receive copies of the text.


You can find a full list of 2017 Continuing Education Courses here: [2017 Denver Section SPE Training Courses](#)


For questions and further details, contact Julianna Spipeki at denversection@spemail.org

DRILLING STUDY GROUP

A Primary Barrier to Placing a Barrier

Kevin Docherty, Schlumberger

 March 14, 2017 | 11:30 AM - 1:00 PM

 Schlumberger Offices | Suite 700 | 1675 Broadway, Denver, CO 80202



Abstract: Unconventional plays require effective stimulation to achieve the required productivity for economic viability, as such a significant investment in stimulation is made in attempt to accomplish this must have. Taking the discussion one step further asks the question, how do we ensure the stimulation treatment is effective and ultimately that the well productivity is maximized?


It's well understood that the correct placement of the wellbore within the reservoir plays a very key role in well productivity, and it's also well understood that the stimulation treatment design itself plays a key role. The next logical sequence in the chain of events is however, how well understood is it that zonal isolation is required to accomplish an effective stimulation treatment across the entire wellbore and how do we accomplish such zonal isolation? This session intends to cover these topics including some of the various techniques that are available to better understand stimulation treatment coverage vs zonal isolation, plus the significant developments made in cement placement modeling, the all-important centralization modeling (including torque and drag), and cement evaluation that now enable us to connect the dots all the way from pipe centralization to well productivity better than ever before. The final question to be asked and discussed is how can we accomplish this moving forward and mitigate the perceived risks that are occasionally associated with some of the recommended techniques / practices?


Bio: Mr Docherty graduated University with a BEng degree in Mechanical Engineering. His oilfield career with Schlumberger spans over 23 years including full time assignments in the UK, Libya, Azerbaijan, Caribbean, France, & North America. Recent assignments include West Texas Technical Manager where technical support was embedded into the heart of operations and the Product Champion role where Mr Docherty was responsible for product development and marketing of multiple global technology solutions. Kevin Docherty is currently the Cementing Domain Manager covering North America Land operations for Schlumberger and is responsible for providing technical support, expertise, and guidance to clients and operations across the North America land market.

COMPLETIONS/RESERVOIR STUDY GROUP

Effective Proppant Delivery to Avoid Production Interruption

Jeff Hebert, Carbo Ceramics

 March 23, 2017 | 11:30 AM - 1:00 PM

 Halliburton Offices | Suite 1900 | 1125 17th Street, Denver, CO 80202



Abstract: Production assurance involves the economical flow of hydrocarbons from reservoir to the point of sale. This requires effectively preventing / handling solid deposits which can be both organic and inorganic in nature. These deposits can cause catastrophic blockage in pipelines, proppant packs and wellbores. Financial loss from production interruption or asset damage can be astronomical and the industry spends hundreds of millions of dollars a year to remediate. To prevent organic/ inorganic deposits and lost production time inhibitor chemicals are delivered downhole via tubulars and as an additive to fracturing fluids. A new delivery system is an infused and encapsulated porous ceramic proppant. The chemical is infused into proppant and pumped as a blend in normal proppant. Typical treatments are designed to last for years of production. This treatment lifetime, however, can be altered to accommodate for longer or shorter periods of time. The delivery system allows inhibitor chemicals to be released at a slow rate when the proppant comes in contact with production and results in a highly efficient, reservoir based chemical delivery system. This presentation will discuss the mechanisms by which damage can impede the production of hydrocarbons and how the use of proppants to remediate this damage can lower lease operating expenses and enhance production. It will also outline case studies where this technology has been implicated.

Biography: Jeff Hebert is the Business Manager for the Production Assurance division of Carbo Ceramics. He has 17+ years' experience in drilling, completions and production engineering. He was previously a managing partner in Force

Industries, a specialty chemical company focused on remediating production damage. Before joining Force he was the Operations Manager for the Pressure Pumping Services Division of Superior Energy Services. Prior to Superior Jeff was a technical advisor to Weatherford's fracturing group and started his career with Schlumberger working in cementing, coiled tubing and fracturing divisions. He holds B.S. degrees in Biology, Chemistry and Chemical Engineering from the University of SW Louisiana..

SPE 37th ANNUAL WINTER TOURNAMENT - RESULTS

Special thanks to the sponsors of the tournament (see below). Through their generosity, the tournament was able to raise approximately **\$1,500** towards the Denver Section SPE Scholarship fund.

SPE 37TH ANNUAL WINTER TOURNAMENT RACQUETBALL RESULTS 2/17/2017

RACQUETBALL A/B DIVISION

SHAWN LOPEZ	1ST PLACE
NICK MICHAELSON	2ND PLACE
RANDY FLETCHER	3RD PLACE

RACQUETBALL C+ DIVISION

BRIAN WEAVER	1ST PLACE
ALEX GROBBEL	2ND PLACE
WILL FLECKENSTEIN	3RD PLACE

RACQUETBALL C DIVISION

JOHN BERNING	1ST PLACE
ALEX ARTINO	2ND PLACE
NATHAN SKITT	3RD PLACE

RACQUETBALL NOVICE DIVISION

NATHAN SKITT	1ST PLACE
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YOUNG PROFESSIONAL UPDATES

March Lunch & Learn

Reliable Technology

Rod Sidle, *fmr SPE Distinguished Lecturer*

March 8, 2017 | 11:30 AM - 1:00 PM

Liberty Oilfield Services | 950 17th Street Suite 2000, Denver, CO 80202

This month, we welcome **Rod Sidle**, former SPE Distinguished Lecturer, to our Lunch & Learn series. Throughout his talk, Rod will focus on the utility of "Reliable Technology" - diving deeper into the value reliable technology brings to an organization beyond US SEC reserves reporting.

Interested in attending? **Please RSVP to Anne Becker** (anne.becker@gepres.com) - lunch (pizza) will be provided.

March Happy Hour

March 8, 2017 | 4:30 PM - 6:30 PM

The Broker | 821 17th Street, Denver, CO 80202

Reconnect with friends, colleagues, and networking contacts for happy hour. The first round is on us!

2017 Spring Fling Ski Trip

Thank you to all who attended our annual ski trip at Copper Mountain in February, and a **BIG THANKS** to our generous sponsors. We all had a blast!

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SPE JOINT SESSION



SPE JOINT SESSION

April 12th @ 5pm
Friedhoff Hall

Featuring Keynote Speaker:
Janeen Judah, President of SPEi

\$10 for Students & Faculty
\$40 for Professionals

Plated dinner will be provided along with a drink ticket for professionals

REGISTRATION CLOSES APRIL 5th

****Students must be in good standing with CSM SPE & SPEi****

SAVE THE DATE - SPE GOLF TOURNAMENT

The SPE Golf Tournament is back again in 2017. Save the date, more information to follow!

 August 4, 2017

 The Ridge at Castle Pines North

Society of Petroleum Engineers - Denver Section

Americas

222 Palisades Creek Dr.
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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