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SPE

Happy New Year! Read below to catch up on what is going on in the Denver SPE Section for January 2017

January 5, 2017

## GENERAL MEETING

### State of the Industry Update

*Bernadette Johnson; Vice President, Market Intelligence; Drilling Info, Inc.*

📍 Denver Athletic Club  
📅 January 18, 2017, 11:30 AM - 1:00 PM

#### Tickets:

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

[Register Now](#)

**Registration closes Monday, January 16, 2017 at 5:00 PM**

**Biography:** Bernadette Johnson joined Drillinginfo through the acquisition of products and services from Ponderosa Energy. She serves as Vice President, Market Intelligence for Drilling Info and is responsible for helping to grow and expand DI's analytics offerings, building on the work she did at Ponderosa Energy leading consulting engagements and research efforts. With nearly 10 years experience in the energy industry, Bernadette has earned the reputation of industry expert with extensive experience providing crude, natural gas, and NGL fundamentals analysis and advisory services to various players in the North American and Global energy markets. A regular commentator for and speaker to the energy industry, Her specific market involvement spans: financial trading, production forecasts, infrastructure analysis, midstream analysis, storage value analysis, and price forecasts.

Prior to joining Ponderosa, and now DI, Bernadette was Senior Research Analyst for Sasco Energy Partners in Westport, CT where she provided analytics and research support for a team of financial traders active in natural gas, power and oil futures markets. Bernadette began her career with BENTEK Energy, LLC as a Senior Energy Analyst, Natural Gas Market Fundamentals and consulting project team lead.

Bernadette holds a MS Degree in International Political Economy of Resources and a BS Degree in Economics, from the Colorado School of Mines.

## CONTINUING EDUCATION



### Horizontal Well Completions

Dr. Jennifer L. Miskimins, P.E., Associate Professor and Assistant Department Head, Colorado School of Mines

Registration Deadline: **Friday, January 6, 2017**  
Course Dates: Tuesday-Wednesday, January 31 – February 1, 2017  
Course Info: [Horizontal Well Completions](#)

***This course discusses a variety of considerations for hydraulic fracturing and associated completions in horizontal wells. Completion optimization specifics for various situations are covered as well as how to evaluate them and bring them into the overall treatment evaluation.***

### Reservoir Engineering Aspects and Forecasting Well Production in Unconventional Resources

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**Thanks to this Month's**

**Newsletter Sponsor:**



### 15<sup>th</sup> Annual Gas Well Deliquification Workshop

February 20 - 22, 2017

Sponsored by the Artificial Lift R&D Council and Southwestern Petroleum Short Course

#### Information you need to optimize Gas Well Deliquification!

- Continuing Education Courses
- Technical Sessions
- Panel Discussions
- Breakout Sessions
- Exhibitors
- Networking

Detailed information can be found on [our website](#).

Contact Information:

Cleon  
Dunham: [cleon@oilfieldautomation.com](mailto:cleon@oilfieldautomation.com)

Ronda Brewer: [Ronda.brewer@ttu.edu](mailto:Ronda.brewer@ttu.edu)

Follow Us:



Dr. Tom Blasingame, P.E., Professor, Texas A&M University  
 Dr. Dilhan Ilk, Vice President and Staff Engineer, DeGolyer & MacNaughton

Registration Deadline: **Friday, February 3, 2017**  
 Course Dates: Tuesday-Wednesday, February 21-22, 2017  
 Course Info: [Reservoir Engineering Aspects and Forecasting Well Production...](#)

**The goal of this course is to frame the issues and challenges related to reservoir engineering for unconventional reservoirs. This course provides a comprehensive perspective on methodologies for the diagnosis, analysis, and forecasting of well production data in unconventional resources.**

## DFIT – The Unconventional Well Test: Theory, Design and Interpretation

Dr. David P. Craig, P.E., Reservoir Development Consulting

Registration Deadline: Friday, March 3, 2017  
 Course Dates: Tuesday-Wednesday, March 21-22, 2017  
 Course Info: [DFIT - The Unconventional Well Test](#)

**This course will review the theory of fracture-injection/falloff testing, the design of DFITs, and interpretation of DFIT data using both straight-line and type curve methods, illustrated with North American field examples, including horizontal and vertical well DFITs in unconventional reservoirs. Additionally, field examples will be included to show how DFIT interpretations can be used in production data analysis of horizontal wells.**

## 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. 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 [Darren O'Brien](#).

## DRILLING STUDY GROUP

### A Primary Barrier to Placing a Barrier

Kevin Docherty, Schlumberger

 January 17, 2016 | 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.



[SPE Denver Website](#)

## PETROBOWL

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The **North American Regional Petrobowl Competition** is going to be held in Denver on **February 2, 2017** as part of the SPE Student Symposium. We are expecting over 50 teams from across all of North America, and we are calling for volunteers!

### Question Writing

We need help writing questions to use during the competition, and there are a number of ways you can help us out!

You can submit your question(s) online! The question guidelines can be found [here](#) and you can submit your question(s) here (<https://goo.gl/forms/4L4jA1jN54k4nIXr2>)

We also have a question writing session planned in Denver:

 January 19, 2017 | 3:00 PM - 5:00 PM

 MHA Petroleum Consultants | 730 17th Street Suite 410, Denver, CO 80202

If you would like to attend either session sign up online (there are event links for both sessions on the website) or contact Deb Ryan [dryan@mhausa.com](mailto:dryan@mhausa.com) for more details.

All materials to help with question writing will be provided, you just need to turn up!

### Judges


We are also looking for judges on the day of the competition. The competition will run all day, however we don't expect you to volunteer all day, and we will have people do ~2hour shifts throughout the day. If you would like to come along and be part of this exciting competition and support the students, please contact Deb Ryan [dryan@mhausa.com](mailto:dryan@mhausa.com) with your availability.


## SPE EVENING EVENT

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### 25 - Year Member Celebration



 January 26, 2017, 5:00 PM - 7:30 PM

 Denver Athletic Club - Billiards Room and Bar

Tickets:

\$25 per person (SPE members & Guests)

\$40 walk - in

Complimentary hors d'oeuvres & drinks included.

Mark your calendar to join us for an evening honoring the 25-year SPE members – a time to reconnect with friends and meet a few new ones. This event is exclusive to SPE members with 25 years or more of membership and their guests.

Registration information to follow. If you have any questions, please contact [Dan Gralla](#).


## YOUNG PROFESSIONAL UPDATES


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### January Lunch & Learn

#### What a Difference a Year Makes

*David Ramsden-Wood*

 January 11, 2017 | 11:30 AM - 1:00 PM

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


We will happily welcome back David Ramsden-Wood to the SPE – YP speaker line-up this month. David's previous presentation ("A View from the Bus Bench") was well received, and we have no doubt his comments on the current industry environment, technological advancements, and future outlook will be just as insightful and entertaining.

David Ramsden-Wood serves as Chief Operating Officer of OneEnergy Partners. Prior to co-founding OneEnergy, Mr. Ramsden-Wood was an Advisor to TPG Special Situations Partners. Before working with TPG, he was VP of Reservoir Engineering and Business Development at Sundance Energy and Business Unit Manager for Western US Operations at Enerplus Resources where he was responsible for the growth and operational execution in the Williston Basin. Mr. Ramsden-Wood started his career at Anadarko Petroleum where his roles included Manager of Planning and Reserves in the Rockies and Manager of Reservoir Engineering for the Greater Natural Buttes asset. Mr. Ramsden-Wood holds a

BS in Chemical Engineering from the University of Calgary and an MBA from both Cornell University and Queen's University.

Please RSVP to **Anne Becker** ([anne.becker@gepres.com](mailto:anne.becker@gepres.com)) to reserve your spot – lunch (pizza) will be provided. See you there!

## January Happy Hour

 January 11, 2017 | 4:30 PM - 6:30 PM

 Rock Bottom Brewery (16th Street Mall & Curtis Street)

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

## UPCOMING SPECIAL EVENTS:


### SPE – YP Night with the Colorado Avalanche


**Thursday, January 12, 2017; puck drops at 7:00 PM**

Thanks to RockPile Energy Services for donating their suite! The first 16 to RSVP will have tickets, and we will start a "wait list" after. Join us for a night of networking and hockey, and help us thank RockPile for their generous support of the YP Denver section.

RSVP to Mark Hinaman: [mark.hinaman+SPE@gmail.com](mailto:mark.hinaman+SPE@gmail.com)

Want another chance to reconnect and / or pick up your ticket? Meet us for happy hour prior to the game at Brooklyn's – regardless of whether you have a ticket.

 January 12, 2017 | 5:30 PM - 6:45 PM

 Brooklyn's at the Pepsi Center | 901 Auraria Parkway, Denver, CO 80202

### SPE – YP 3<sup>rd</sup> ANNUAL SPRING FLING SKI TRIP

**February 10 – 12, 2017, Copper Mountain Resort** – space is limited, fun is not. A great opportunity with network while hitting the slopes and enjoying après ski. 4 out of 5 engineers agree – a proven way to build relationships, increase brand awareness, and learn ski skills from your customers (informal survey, 5<sup>th</sup> engineer was in the trees...).

Lodging includes 2 nights in Copper Mountain Resort – slopeside (Friday, 2/10, and Saturday, 2/11)

Lift Tickets (2 ski / board days) valid February 10<sup>th</sup> – February 12<sup>th</sup>

Pricing:

Lodging + Lift Tickets (\$250 / person)

Lodging Only (\$175 / person)

Sponsorships are still available! Contact Mark Hinaman ([mark.hinaman+SPE@gmail.com](mailto:mark.hinaman+SPE@gmail.com)) or Tom Rolleczek ([trolleczek@varelintl.com](mailto:trolleczek@varelintl.com)) for details and sponsorship levels.

Register here: <http://denver.spe.org/> (ski trip is listed under February 10<sup>th</sup> on this main page).

Once registered, you will receive a follow-up email from the SPE – YP Board. Questions? Contact Mark Hinaman ([mark.hinaman+SPE@gmail.com](mailto:mark.hinaman+SPE@gmail.com)) or Tom Rolleczek ([trolleczek@varelintl.com](mailto:trolleczek@varelintl.com)).

## SCIENCE FAIR JUDGES

### As a volunteer opportunity for our SPE members, science fair judges are needed for various science fairs in the Denver area.

There is a need for science fair volunteer judges. Please go to the "Sign-up Genius" link below and sign up!!

<http://www.signupgenius.com/go/8050F4EADA628A13-community>

As a reminder, the fairs are all in the morning on these dates:

- **January 10 - Southmoor Elementary**
- **January 12 - McKinley Thatcher Elementary**
- **January 13 - Bryant Webster K-8**
- **January 21 - DPS District Fair at DU**

Let Mido ([mgbdedo@sib.com](mailto:mgbdedo@sib.com)) know what dates you sign up for so you can be recognized for your volunteering

## SPE AWARD NOMINATIONS

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### 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! PLEASE think of someone who deserves recognition for their outstanding work in the E&P industry and visit [www.spe.org/awards](http://www.spe.org/awards) today!

You will also see international awards listed at this link. Please consider nominating a colleague for an international award as well.

**Nominations will be accepted November 15, 2016 – February 15, 2017.**

#### 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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