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Happy New Years!

I hope the holidays were a success and the oil prices don't have you too down for the new year.

If you enjoyed last month's General Meeting presentation on Seismic Monitoring of Hydraulic Fractures, you should check out this month's [Continuing Education course- Microseismic Imaging of Hydraulic Fractures](#). There are still a few days to sign up.

Also, if you are under 36, check out the Ski Trip details in the Young Professional's section below! Looks like fun.

Cheers to the New Year,

Kelly Wilson

Newsletter Editor

## Regional Awards

### TIME TO NOMINATE YOUR DESERVING COLLEAGUES

SPE Awards recognize members for their technical contributions, professional excellence, career achievement, service to colleagues, industry leadership, and public service. There are numerous awards for which Denver SPE Section Members are eligible, [Click here for more details](#) or click here to [Nominate a colleague](#). Or send our [Awards Chair, Tom Cryan](#), an e-mail with names, etc and I will get the process started for you.

January 7, 2015

## GENERAL MEETING

### Observations from an Underground Laboratory: An Intergrated Approach to Unlocking Performance in the Niobrara

*Dave Koskella, Exploration & Reservoir Systems Manager,  
Noble Energy*

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 January 21, 2015  Denver Athletic Club



In 2012, Noble Energy designed and built an in-situ underground laboratory in Wells Ranch Section 25, Weld County, Colorado. The essence of the design includes nine horizontal wells demonstrating 660' and 330' well spacing with two different placement patterns, BBB and BCB. Thirteen plus independent surveillance technologies were overlaid in the section to directly observe as many G&G, reservoir, stimulation and production characteristics as possible for the Niobrara.

possible for the Niobrara.

Observations obtained during the well stimulations are summarized including the DTS waterfall plots, packer isolation failure statistics and causes, the number of fractures initiated per stage, real-time stimulation execution troubleshooting, samples of underground DAS sound files, RA tracer correlations as a function of vertical well placement azimuth, number of pressure events observed relative to Sh-min, examples of dynamically changing hydraulic well connectivity vs. time, micro seismic elliptical analysis, micro seismic events relative to observed pressure and temperature events and there lack of correlation, and DTS production logging with the associated statistics per stage on productivity.



Dave Koskella - B.S. in Mechanical Engineering from CU, Boulder, MBA/Finance & MIM degrees from the University of Denver. 23 years of experience in reservoir engineering, completions, production, facilities and M&A for Amoco, BP, EnCana, Rosetta Resources and a couple of small start-ups. Unconventional reservoir systems focus during the past eleven years. Currently working for Noble Energy in Denver as Exploration & Reservoir Systems Manager focusing on developing and implementing the next generation of unconventional resource play technologies in order to unlock and maximize the value of these plays.



## Young Professionals

### Eyes into the Reservoir - Optimizing Production with Permanent Downhole Monitoring Solutions

*Alan Sanderson, Technology Manager, Tendeka*

 January 14, 2015 11:30-1pm  [Sanjel's Office](#)

Alan has been with Tendeka for five years, focused on monitoring and control for North America. Previous field experience with Schlumberger, the Wood Group, and Halliburton / WellDynamics provided great development opportunity and oilfield expertise now utilized on a daily basis. He looks forward to discussing how far-reaching decisions can manage reservoir performance, enhance production, and increase overall productivity. Although a technical professional to the core, Alan is skilled in teaching complex ideas, product, and industry-wide technological advances utilizing real-world examples.

 [Facebook](#)

[SPE Denver Website](#)

**Please RSVP by Monday, January 12, 2015 at 5:00 PM** to ensure we order enough lunch.  
Look forward to seeing you there!



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## Happy Hour

 January 14, 2015 4:30-6:30pm  [Rock Bottom Brewery](#)

Kick off the new year and join your friends (old and new) for networking! The first round's on us.

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## Ski Trip- Winter park Spring Fling 2015

 February 27 – March 1, 2015

Thanks to support by generous sponsors, costs are kept low!

**Tickets: \$150 / person** (or \$100 / person without lift tickets)

What's Included?

- 2 nights lodging at Founders Condos
- 2 lift passes
- Apres Ski Party at "Docs"
- Give-aways, ski demos, fun with friends

Interested? RSVP as soon as possible as space is limited.



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## Continuing Education

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### January 2015

#### **Microseismic Imaging of Hydraulic Fracturing** Jan 22-23

The goal of the course is to give attendees understanding and realistic expectations of microseismic imaging as a diagnostic tool for hydraulic fracturing.

### February 2015

#### **Performance Analysis in Resource Plays** Feb 24-25

Methods to assess and compare the performance of resource play multi-stage vertical and horizontal oil and gas wells will be the focus of this course.

### Society of Petroleum Engineers - Denver Section

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