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Please make sure to note the date of the April General Meeting- Joint Session which will be at CSM in your calendars. The students have secured the 2016 SPE International President to speak on innovations in the industry. This should be an excellent talk.

Reminder that, there is a local SPE conference coming up here in the Denver area - [SPE E&P Health, Safety, Security, and Environmental Conference- America](#).

Enjoy the snow!

Cheers

Kelly

## Distinguished Lecturer Nominations Open

As part of SPE's primary mission to disseminate technical information, the SPE Denver Section is requesting your help in identifying Distinguished Lecturers (DLs) for the DL Program. The current year DL program comprises 28 lecturers, who have provided almost 500 presentations to all SPE sections around the world. Nominations for the 2015-2016 program are open from February 1 – March 15, 2015. If you would like to nominate someone who is an expert in their field, a strong speaker, willing to share knowledge and willing to travel, and who can properly represent our society, please visit [Nominate a Distinguished Lecturer](#) or visit with [Dr. C. Mark Pearson of Liberty Resources LLC](#), who is a member of the Distinguished Lecture Committee which works with potential lecturers in preparing their presentations.

March 3, 2015

## GENERAL MEETING

### Unconventional Reservoirs Require Unconventional Analysis Techniques

David Anderson, Product Manager, IHS

March 18, 2015 Denver Athletic Club



**David Anderson** is a product manager at IHS. He has led the development of IHS/ Fekete's F.A.S.T. RTATM software and has become a recognized expert in production analysis. Anderson has authored numerous papers on the subject and has been awarded two Best Presented Paper awards from SPE. He also received SPE's Outstanding Young Professional

Award for Rocky Mountain Region in 2008. He currently serves on SPE's Reservoir Description and Dynamics Ad-visory Committee.

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**Thanks to this Month's  
Newsletter Sponsor:**



**Bakken-Three Forks  
Field Development:**



## SAVE THE DATE: CSM-DENVER JOINT SESSION

### Innovation and Progress in the Oil and Gas Industry

*Dr. Nathan Meehan, Senior Executive Advisor, Baker Hughes, Inc.*

📅 April 15, 2015 📍 [Friedhoff Hall, Colorado School of Mines](#)

[Dr. D. Nathan Meehan](#) serves as Senior Executive Advisor to Baker Hughes Incorporated and is President-elect of the Society of Petroleum Engineers. Previously he was President of CMG Petroleum Consulting; Vice President of Engineering for Occidental Oil & Gas; and General Manager, Exploration & Production Services for Union Pacific Resources.



Dr. Meehan holds a BSc in Physics from the Georgia Institute of Technology, an MSc in Petroleum Engineering from the University of Oklahoma, and a PhD in Petroleum Engineering from Stanford University. He served as Chairman of the Board of the CMG Reservoir Simulation Foundation and twice as a Director of the Computer Modelling Group, Ltd., as Director of Vanyoganeft Oil Company, Nizhnyvartosk, Russia, as Director of Pinnacle Technologies, Inc., as a Director of the Society of Petroleum Engineers and as a Director of JOA Oil & Gas BV. He is an SPE Distinguished Member and the recipient of SPE's Lester C. Uren Award for Distinguished Achievement in Petroleum Engineering, the Degolyer Distinguished Service Medal and the SPE Public Service Award. He serves on the boards of the Georgia Institute of Technology's Strategic Energy Institute and the Penn State and University of Texas petroleum engineering departments and is an advisory board member of Wearable Intelligence. He is an appointed member of the Interstate Oil & Gas Compact Commission and widely published author. Dr. Meehan is a licensed professional engineer in four states.

## Completions Study Group

### Proppant Fraconomics: Selecting a Technically, Environmentally, and Economically Sound Proppant under Depressed Commodity Prices

*Todd Kaul, Saint-Gobain Proppants*

📅 March 19, 2015 11:30-1pm 📍 [Halliburton](#)

This study includes an analysis of production results across major US shale plays to determine the effect of proppant selection on short and long term well performance. Proppant performance trends deduced from this analysis are compared to proppant cost to determine effects of proppant selection on well break even points under depressed commodity prices. The study also includes a

## Past, Present, and Future Workshop

📅 21–23 April 2015

📍 Brown Palace Hotel

Completion and stimulation technology has evolved in the mature Bakken-Three Forks development resulting in more fracture treatment stages, more efficient operations, and improved well performance. With operators now focusing on field development, issues driving economic returns include well spacing, pad completions, operational efficiencies, environmental impact, fracture "hits", Bakken-Three Forks interference, and improved oil recovery. In addition, there may still be significant opportunities to optimize Bakken completions, with ongoing field trials to evaluate cemented versus uncemented liners, ceramic versus sand, and optimum treatment size.

This workshop will focus on what we have learned about these key issues, and how this work could impact future Bakken-Three Forks completion and field development strategies. It will take a holistic approach that includes the integration of geological, geophysical, and geomechanical with reservoir, completion, and production engineering disciplines.

**During this uncertainty in our industry, now is the time to lean on SPE for the best networking, educational, and career development opportunities. [Register today.](#)**

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discussion of relevant environmental regulations in the shale plays and their importance in the development of responsible and sustainable completion protocols.





## Young Professionals

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### Building a Successful Career in Oil and Gas Business

*Gary Hinaman, President, Argali Exploration Company*

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

We look forward to welcoming Gary L. Hinaman, President of Argali Exploration Company to our L&L series. Mr. Hinaman will be discussing his career in the oil and gas business. Now retired, he still works a day or two a month on the asset base he has acquired over the past 43 years. He worked for major oil companies and independents before starting his own business in 1979. An entrepreneur at heart, he has started at least seven successful oil and gas businesses. His talk will center on starting, operating, and selling your own business.

Mr. Hinaman earned a BA in Geology and MA in Geology from Binghamton University (FKA SUNY Binghamton). He quit his PHD program to volunteer for the Army, where he served as a Ranger qualified infantry officer advisor to a Vietnamese Infantry Battalion and was awarded a Bronze Star with "V" for heroism in combat. In 1972, he was hired by Texas Offshore in New Orleans as a geologist, and moved to Denver in 1974 to work with Amoco as a geophysicist. In 1995, he moved his family to Rangely, CO to raise his four children in a small town.

We are thrilled to have Mr. Hinaman join us this month, and look forward to hearing his perspective, seasoned advice, and stories gathered over an impressive career.

**Please RSVP by Monday, March 9 2015 at 5:00 PM**

Look forward to seeing you there!



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## Happy Hour

 March 11, 2015 4:30-6:30pm  [Rock Bottom Brewery](#)



Join us for networking - with old friends and new - and enjoy the first drink on us!

## Reservoir Study Group

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### Microbial EOR: Past and Present

*Roland, DeBruyn, VP of Engineering & Implementation at Transworld Technologies*

 March 26, 2015 11:30-1pm  [Halliburton Training Room](#)

“Tertiary oil recoveries for waterflood costs!” For decades, MEOR has offered a vision (albeit overly simplistic) of EOR opportunity. Though a broad body of technical literature exists, the biological aspects of MEOR science are outside the mainstream of petroleum engineering. Early field operations encountered significant problems, and field results have sometimes proven difficult to understand. New tools and understanding give a much more confident outlook for future MEOR projects, especially in a low oil price environment. This presentation will review the “bio-science” that is foundational to MEOR, and how it has changed in recent years. A field trial example will be presented to illustrate how potential projects can be assessed and deployed.

Roland DeBruyn became the Vice President of Engineering & Implementation at Transworld Technologies in November 2013. He has over 27 years of engineering experience in the upstream oil and gas industry. For the past 11 years he has focused on the development and field implementation of enhanced coalbed methane and microbial enhanced oil recovery. During his career, he has worked in reservoir engineering, project development, economics, application and regulation of new technologies, groundwater quality, and management of both conventional and unconventional reservoirs. He has co-authored several technical papers; is co-inventor of numerous domestic and international patents and patents pending; and has spoken to meetings of petroleum engineers, petroleum geologists, groundwater attorneys, groundwater regulators, and enhanced bioconversion scientists.



## Continuing Education

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### April 2015

[Land Basics for the Engineer](#) Apr 21-22


The class is designed for engineers and will provide the land applications and knowledge that will serve them in succeeding within a multidiscipline team.

### October 2015

[Improve Your Technical Writing: Tools, Techniques, Strategies, and More](#) Oct 27-28

Though few will be great writers, all can be effective writers. Effective writing is writing in which readers stick around, complete the document, and capture what the writer intended them to capture. Ultimately, this requires the writer to identify the

document's goals and implement the means to these goals through addressing reader needs and how readers learn.



**Energy4me**

Energy4me is an energy education program presented by the Society of Petroleum Engineers (SPE). The program aims to provide factual, non-biased resources for students, teachers and the public to become more educated energy consumers.

**Volunteers needed for Energy4me presentations**

**Donate hands-on O&G teaching examples**  
*(ex: core samples, small equipment models, frac sand samples, etc.)*

Does your students 'or someone you know's school want an energy4me presentation, contact us!

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[www.energy4me.org](http://www.energy4me.org)

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