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Dear ,

I am super excited to announce that Colorado School of Mines won PetroBowl at ATCE 2013 for the second year in a row. As a CSM alumni, I am very happy to see my alma mater excelling, and representing our school so well. Congratulations Miners!

My fellow board members and I spent the last couple of days at ATCE in New Orleans, participating in many SPE meetings. We spent a lot of time talking to other sections and sharing ideas. We are really excited to bring back some new innovations, and you will see many of these ideas implemented in our section here soon. I will keep you updated as they happen, so you will not miss out.

I have to say, I am very proud of our section and student chapter and all we have accomplished. We very much appreciate your continued support and involvement in our section. Thank you for attending any or all of our events, spending time looking at our website, renewing your membership year after year, and for just simply reading this newsletter every month. I know it sounds cliché, but we really couldn't do it without you.

This same sense of pride is what has us so excited about hosting the Western Regional Meeting in Denver in April 2014. We would like to brag about our amazing talent, and showcase the technical work that comes out of this section. To make sure that you have time to submit your abstract, the submission deadline has been extended to October 14th. This means, that you have an extra week from the original deadline, and now no excuse to not get your abstract in. And just for clarification, you do not have to have your full paper written by this point, just the abstract.

This month will also be the start of the SPE Environmental Study Group! October's topic will center around hydraulic fracturing, specifically how to approach this topic with non-industry community members. I know a lot of us struggle with this, not only in our professions but in our personal lives as well. This will be a great event, so please RSVP (info below).

Lastly, I would just like to open the door for any questions, comments, ideas, and even grievances. You can send us an email, come talk to us at the general meetings, study groups, or even if you run into us on the street.

Again, thank you! We couldn't do it without you!

Julianna Sipeki

Secretary

October 3, 2013

Colorado School of Mines wins PetroBowl at ATCE 2013!

The Miners defend their title, and bring home the honors for a second year in a row!

Table of Contents

- In this Issue...
- [Welcome](#)
 - [CSM Petrobowl](#)
 - [General Meeting](#)
 - [Environmental Study Group](#)
 - [Completions Study Group](#)
 - [Reservoir Study Group](#)
 - [YP - Events](#)
 - [WRM 2014](#)



- [Continuing Education](#)
- [DGS/SPE Holiday Social](#)
- [New Members](#)
- [Volunteer Opportunities](#)

Call for Abstracts!

2014 Western North America and Rocky Mountain Joint Conference and Exhibition

held in Denver, CO

April 16-18, 2014

Deadline Extended!

Abstracts due October 14th

[Submit Now!](#)

Congratulations to Colorado School of Mines for winning PetroBowl for the second year in a row, and third time since the start of PetroBowl, bringing the honors and bragging rights back to Denver!

PetroBowl was held during ATCE 2013 in New Orleans on Monday, September 30th. CSM came into this competition as the defending champions, and they were here to take the title home for another year in a row. The team consisted of Stewart Barber, Murat Syzdykov, Doug Wilson, Erich Kerr, and Darkhan Maulimgazy (pictured left to right), led by Linda Battalora, the SPE CSM Student Chapter faculty advisor.

The Miners beat out Texas A&M in the semi-finals. During the final they faced University of Texas at Austin team, whom they beat with a score of 226-145.

The CSM PetroBowl team won \$7,000 for their student chapter! We are very proud of our Miners!

General Meeting

Topic: Hydraulic Fracturing of Horizontal Wells - Realizing the Paradigm Shift That Has Been 30 Years in Development

Speaker: C. Mark Pearson, Liberty Resources LLC
Date: Wednesday, October 16th
Time: 11:30am - 1:00pm
Place: Denver Athletic Club, 4th Floor -- 1325 Glenarm Place, Denver, 80202

Register: [Click Here-- by Noon Monday, October 14th](#)

"The latest multi-stage well completion and stimulation technologies have revolutionized the development of unconventional resources."

Horizontal drilling as a field development technique was pioneered in the early-1980's. As drilling technology advanced, the industry was rapidly able to increase the extended reach of wells and the length of lateral drilled. However, for much of this time, the completion was limited to single zone techniques employing chemical and pressure diversion technologies in an attempt to stimulate the lateral section. Gradually, the industry went through a phased period of testing culminating in the mechanical isolation technologies of "sliding sleeve" and "plug and perf" completions. The outcome of this has been a paradigm shift in unconventional field development where the use of horizontal wells with 15 to 40 stage mechanically isolated stimulation zones has resulted in a step change in field development costs and as a consequence resulted in the US horizontal rig-count reaching over 50% of all active rigs drilling.

The presentation is divided into three sections:

Continuing Education

November 19-20

[Analysis of Production Decline Curves - Stephen Poston](#)

January 28-29, 2014

[Oil and Gas Reserves: The SEC Reporting Rules](#)

Save the date

DGS/SPE Holiday Social

Dec 12th, 4:30-6:30pm

Marlowe's, free drinks and appetizers

Welcome New SPE Denver Members:

Alan L Nackerud
 Antony Paul
 Carl Bernet IV
 David Lee Crowder
 Dennis James Beasley
 Dr. Heather Lareau
 Dr. Jason S Reed

(1) A review of horizontal well stimulation technology development - including the authors first-hand experience of west Texas tests in the 80's, North Slope Alaska wells in the 90's, and current applications in a variety of unconventional resources.

(2) A discussion of the two main types of multi-stage completion technologies being employed together with the application of both cross-linked and slickwater fracturing.

(3) A review of current applications and results.

Biography

Dr. C. Mark Pearson is an SPE distinguished member who has over 30 years experience in both the E&P and service industries. He is a well known industry expert in the field of well completion and stimulation technology having published over 30 technical papers and having received a number of industry accolades for the economic impacts of his work.

He is President of Liberty Resources LLC, a Denver-based independent E&P company currently focussed on a 4-rig drilling and completion program in the Bakken Oil Shale of ND where he and his team have applied multi-stage completion and stimulation technology over the past 3 years to the extent that 35-stage horizontal wells are now standard for field development.

Environmental Study Group

Topic: Hydraulic Fracturing: A Public Relations Perspective

Speaker: Doug Hock, Director of Public and Community Relations, Encana Oil and Gas (USA) Inc.
Date: Tuesday, October 8th
Time: 11:30am - 1:00pm
Location: M-I Swaco, Schlumberger - World Trade Center, 1675 Broadway, Suite 700
RSVP: by Monday, October 7th, Meagan Miller @ mmiller@bayswater.us

1. Understanding Outrage
 1. Risk = Outrage + Hazard
 2. Outrage Management
 3. Application in discussing oil and gas operations
2. Six Strategies for Managing Outrage
 1. Stake out the middle, not the extreme
 2. Acknowledge prior misbehavior
 3. Acknowledge current problems
 4. Discuss achievements with humility
 5. Share control and be accountable
 6. Unvoiced concerns and underlying motives

Biography

Doug Hock, Director of Public and Community Relations at Encana Oil & Gas (USA) Inc., has worked in public relations for 25 years, was President of the Colorado Chapter of the Public Relations Society of America and serves on the Mayor's Homeless Commission for the City and County of Denver.

Completions Study Group

Topic: Evaluation of Completion Techniques in the Codell and Niobrara Formations of the Wattenberg Field

Speaker: Melanie Paterniti, Halliburton; Tony Losacano, KPK
Date: Thursday, October 17th
Time: 11:30am - 1:00pm

Geoffrey Gullickson
James Teff
John Allen Jones
Lawrence J. Pekot
Mark Habana
Matt Jones
Michael Peter Griffis
Michael S Ratway
Mindy Stone
Victoria Martinez

SPE Denver needs your help with the following volunteer positions:

Drilling Study Group Chair
Website Committee
Study Group Committee
Awards Committee
Community Outreach Committee
General Meeting Volunteer

Please [email us](#) if you would like to volunteer for any of these positions!

Location: Halliburton, 1125 17th St., Suite 1900, Denver

RSVP: by Monday, October 15th, Wendell Salas @ Wendell.Salas@halliburton.com
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The Upper Cretaceous Codell and Niobrara formations are primary targets in the Wattenberg field (Figure 1) of the Denver- Julesberg basin in northwest Colorado. Although initial discovery of producible hydrocarbons in the Codell occurred in 1955, it was not until the early 1980s when larger scale completion began for the Codell and Niobrara wells throughout the field. Since the early 1980s, there have been more than 10,000 Codell and Niobrara completions in the Wattenberg field.

Originally, the Codell and Niobrara formations were completed individually within the same well. In the early 1990s, operators introduced a limited-entry style stimulation technique in an effort to effectively stimulate both formations with one hydraulic fracturing treatment. Although there is currently significant activity in the field with regard to horizontal well completion in both the Codell and Niobrara formations, extensive vertical well completion still exists. Various completion strategies are currently employed for vertical well completion, including individual stimulation of the Codell and Niobrara formations, limited-entry completion of both formations, and completion of only one of the producing horizons, leaving the other behind pipe. Furthermore, there are many cases of recompletions where an operator has re-entered a Codell-only well at a later date to complete the Niobrara.

Spatial sampling was employed to assess the effectiveness of various completion strategies in one area of the Wattenberg field. Spatial sampling is a documented method for comparing large groups of wells with their direct offsets. The original intent of the spatial sampling method was to identify underperforming wells; however, the method has also been employed as a way to compare various completion or stimulation techniques.

Biography

Melanie Paterniti has been with Halliburton for 13 years, first as a frac engineer in the DJ Basin, then in sales and for the last 5 years as a member of the Denver Tech Team. In this capacity, she has had the opportunity to work with a variety of operators on production and reservoir studies in basins across the Rockies. She has served as a board member for the SPE Denver Section for several years. She graduated with a Bachelor's of Engineering in metallurgical and materials engineering from Dalhousie University in Halifax, Canada.

Reservoir Study Group

Topic: Enhanced Recovery for Unconventional Oil Plays: How Might We Do It?

Speaker: Todd Hoffman

Date: Thursday, October 31st **Please take note of date
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Time: 11:30am - 1:00pm

Location: Halliburton, 1125 17th St., Suite 1900, Denver

RSVP: by Monday, October 28th, Deb Savimaki @ dsavimaki@mhouse.com

Biography

Todd Hoffman joined CSM's Petroleum Engineering Department in 2011. He has a B.S. from Montana Tech and a M.S. and a Ph.D. from Stanford University, all in Petroleum Engineering. His research involves enhanced oil recovery particularly for shale oil reservoirs, reservoir simulation and predictions, and modeling complex hydraulic fractures. The courses he teaches at CSM include enhanced oil recovery, geostatistics and senior design. Before joining CSM, Todd worked as a Reservoir Engineering Consultant for Golder Associates and as an Assistant Professor at Montana Tech. Other work experience includes stints with Anadarko, Chevron and Arco Alaska in various

reservoir engineering roles. He is active in SPE most recently as PNW section president. He is also a member of the Order of Engineers and a licensed professional engineer in Montana.

Young Professionals

LUNCH AND LEARN

Horizontal Drilling, Well Control, and the Colorado Flood

Speaker: Bill Minnett, Drilling Manager, Integrated Petroleum Technologies of Colorado
Date: Wednesday, October 9th
Time: 11:30am-1:00pm
Location: Sanjel Office, 511 16th Street, Suite 300, Denver
RSVP: Anne Becker @ abecker@petro-fs.com

Bill Minnett, will be speaking on horizontal / directional drilling and well control, as well as comment on the flooding in northern Colorado and its impact on drilling / production. Bill has more than 30 years of success in the oil and gas industry, with large and small E&P companies and work both off and on-shore, in multiple plays and regions across the United States

HAPPY HOUR

Date: Wednesday, October 9th
Time: 4:30pm
Location: Rockbottom Brewery - back room, 1001 16th St, #100

SPEAKERS WANTED!!

As a member of SPE, our monthly Lunch & Learns provide a wonderful venue to showcase “you” – your unique perspective, experiences, & relevant industry ideas – to a target audience ready to listen. Unlike other organizations that use these venues for company sales opportunities, our L&L’s offer a venue for networking and showcasing your expertise. Have an interest? A passion? Something to debate? We need you to help us grow and foster a continuous learning environment. As a YP-SPE chapter, this is the type of venue, opportunity and activity that helps form the foundation for career growth and industry recognition.

Monthly Lunch-and-Learn sessions provide young professionals with a great opportunity to continue developing knowledge in the oil and gas / energy industry.

Expertise is needed and welcomed to cover a variety of topics throughout the year, the second Wednesday of every month (September – May), 11:30 AM – 1:00 PM in downtown Denver.

Sessions typically attract 30-40 professionals, ready to learn and ask questions.

Do you have an area of interest you would like to present? Some suggested topics include:

- “basics” of the industry (geology, land, regulatory, offshore, etc.) and how they relate to engineering departments of varying companies
- impacts of elections / government regulations on day-to-day business
- financial impact of engineering activities on a company / how our work relates to the overall bottom line
- debate / review of different product lines, production techniques, etc.
- overview from an engineering at an operator on successes in a specific basin / geographic area
- new technology that will change the industry and the way we do business

Interested? We look forward to talking with you!

Please send along the Speaker Name / Contact Information and proposed topic, and we will touch base right away. Thanks for your interest!

Sincerely,

Anne and Kyle
SPE – YP Denver Chapter, Technical Programs, Lunch & Learns

Society of Petroleum Engineers - Denver Section

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