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Dear ,

I hope you had a great summer. Our Denver Section board has been busy over the summer lining up great speakers for the upcoming year. We have updated our website, so please check out some of its new functionality. Please bookmark the [Denver SPE Section calendar](#) for upcoming meeting and study group dates.

The board is pleased to announce that we have partnered with Greenlee Elementary as part of the DPS School Partners Program. See below for our first volunteer opportunities with them and stay tuned for more in the coming weeks.

If you are interested in serving on a section committee or on the board please [contact me](#) for more information.

Erin McEvers

SPE Denver Section Chairperson

September 5, 2014

GENERAL MEETING

The American Shale Revolution and What it Means for Colorado, the US and the World

Chris Wright, CEO of Liberty Resources and Liberty Oilfield Services

 Sept 17, 2014  [Denver Athletic Club](#)



[Chris Wright is CEO of Liberty Oilfield Services](#), a Rockies-based pumping services company, and CEO of Liberty Resources, a Bakken-focused E&P company with unique expertise in well completion and stimulation technologies. Chris completed an undergraduate degree in Mechanical Engineering at MIT and then performed graduate work in Electrical Engineering at both UC Berkeley and MIT. Chris founded Pinnacle Technologies and for 14 years

served as CEO and Chairman. Pinnacle created the hydraulic fracture mapping industry via its success in developing and commercializing tiltmeter fracture mapping and microseismic fracture mapping. Pinnacle also sold and developed the world's most widely used fracture modeling system, FracproPT, and provided consulting services. Pinnacle's most significant achievement was its lead role in the innovation of fracturing practices that led to commercialization of shale gas production --

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Thanks to this Month's Newsletter Sponsor:



4th Annual Produced Water Reuse Initiative: Rocky Mountains Tight Oil & Shale Gas Plays is the longest running water management event for E&Ps in the Rockies region.

initially the Barnett Shale with Mitchell Energy. Chris has consulted and taught courses on all six inhabited continents and authored or co-authored over 60 technical papers and articles. He has received numerous industry awards and several U.S. patents. Chris was Chairman of Stroud Energy prior to its sale to Range Resources in 2006. Chris is a director of TAS (industrial energy technology company), Kerogen Exploration, PyraMax Ceramics, Liberty Oilfield Services, and Liberty Resources. Chris grew up in Colorado and is a passionate skier, cyclist, climber, and outdoor enthusiast. He serves on the board of numerous non-profits including PERC (Property and Environment Research Center), ACE Colorado, ACE Montana, PRI, and the YCCF.



STUDY GROUP: Reservoir Eng

Unconventional Oil from California's Monterey Formation- Exploitation Results

Alan Burzlaff, Vice-President and Managing Partner for MHA Petroleum Consultants

11:30-1, Sept 25  [Halliburton Offices, Suite 1900](#)

There is a heightened interest in the future exploitation and re-development of the California Monterey formation as a source of unconventional oil reserves. During the past five years, major and independent oil companies have invested many millions of dollars gathering 3D seismic data and drilling over a hundred horizontal and vertical wells, many hydraulically fractured, to find the location of and key technologies to producing significant economic quantities of crude oil and natural gas from intervals within the Monterey shale. This paper presents the results to-date of the renewed recent industry drilling campaign to unlock unconventional oil reserves from the Monterey. In large part relying on public records, this paper presents the drilling, Initial Production, production decline rates, well spacing, gas-oil ratio behavior and estimated reserves results for the Monterey drilling activity during the past 5 - 6 years (2007 - 2012) in the San Joaquin Valley, California. Results will show wells that are highly variable in terms of oil IP and gas-oil ratios. An analysis of typical single well economics will be presented based on these data. Key fields include the Rose, North Shafter, Asphalto, Railroad Gap, Buena Vista and Monument Junction fields. The production and reserves statistics are useful and informative to those interested in the progress and successful exploitation of the Monterey.



[ALAN A. BURZLAFF](#) is a Vice-President and Managing Partner for MHA Petroleum Consultants, LLC. He manages the MHA office in Bakersfield, California. His consulting expertise includes reservoir engineering, numerical simulation, reserves reporting, thermal recovery studies and property evaluation. He has authored SPE technical papers dealing with waterflooding, steamflood simulation and

unconventional oil exploitation, most recently at the 2014 Western

Demand for water for hydraulic fracturing in the Rockies is set to double by 2015 and finding the most economical ways of **reusing produced water** will be one of the key drivers for **reducing the cost of operations for E&Ps**.

18+ operator case studies by **Anadarko**, Caerus, **Encana**, Santa Maria, **Apache**, QEP Energy, **WPX Energy**, Outrider Energy, **Environmental Protection Agency**, Retamco Operating, **Colorado State** and more will examine the optimal water treatment storage and recycling strategies for **minimizing the cost of reusing produced water** and determining the most **cost-effective water sourcing & disposal strategies**.

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[2014 SPE TENNIS TOURNAMENT](#)

 11:30- 4:30 pm Oct. 3

 [Gates Tennis Center](#)

Entry Fee: \$30

Includes: Court Fees, Lunch, Refreshments, Balls, Door Prizes, Awards

SPONSORSHIPS AVAILABLE

Welcome New SPE Members:

Catherine Aniello
 Rylan Brenneman
 Bob Bruhn
 Nocholas Dover
 Sean Halloran
 Pallavi Hardin
 Joel Johnson
 Peter Koppel III
 Davide Lide

North America and Rocky Mountain Joint Conference and Exhibition. Mr. Burzlaff is a Licensed Professional Petroleum Engineer in the State of California and SPE member. He holds a BSc degree in Engineering Physics from the Colorado School of Mines.

RSVP by 12noon, Sept 22



YOUNG PROFESSIONALS

SPE Young Professionals – Denver is thrilled to start another great year of continued learning, professional development, and networking. We look forward to continuing many of our traditional events, and plan to bring a few additional opportunities for you to connect with other professionals in the Denver area, support the industry, and get more involved in your community.

YP Lunch and Learn

Tim Wigley, President of Western Energy Alliance

 11:30, Sept 10  [Sanjel Office Suite 300](#)

You may remember Tim from our Lunch & Learn series last year, but the positive response was overwhelming, so we're bringing him back! Tim leads [Western Energy Alliance](#), a non-profit trade association representing hundreds of companies operating in the Western US – who are engaged in all aspects of environmentally responsible exploration and production of oil and gas. Tim has been with Western Energy for more than 2 ½ years, and has been tirelessly supporting the industry while encouraging stakeholders to advocate as well. Although the ballot measure issues have changed significantly over the last month, we look forward to Tim's perspective on continued related efforts, the upcoming elections, and how we can better present information to friends, allies, and competitors in our communities.

RSVP by 5:00pm, Sept 8



This month's Lunch & Learn session is sponsored by Peak Completions Inc., a leading oil and gas completion technology provider that offers in-house engineering, manufacturing, and dedicated service to operators around the globe. ***Thanks Peak Completions for picking up the tab – your support of continued learning and development is much appreciated.***

YP Happy Hour

 4:30pm, Sept 10  [Rock Bottom Brewery](#)

Join your friends (old and new) for networking! The first round's on us.

Matt Meyer
 Luke Miller
 Andrew Pederson
 Robert Griffon
 JC Pinkett
 Robert Sterrett
 Monica Stoeber
 John Titus
 Christen Trahan
 Dhierda Utiya
 Paul Wagner
 Joel Walden
 William Webb
 Dan Wilson
 Thomas Corley

COMMUNITY OUTREACH

Denver SPE has partnered with DPS School **Greenlee Elementary** for the 2014-15' school year! We are very excited about our new partnership and are planning a number of opportunities to engage with them.



TUTOR MATE

How would you like to help change the life of a 1st grade student? You can reading tutor **Online** with a 1st grader once a week!

Repeated research shows that students who can't read proficiently by third grade become highly susceptible to larger setbacks as they grow older.

Plan 30 min session once a week around your personnel work schedule through easy online scheduler (can partner up with a colleague if needed) . 25 online sessions, Oct 1, 2014-May 31, 2015, 1 time/week, flexible 30 min session

If you're interested please contact [Megan Starr](#) by Sept 22nd

SCHOOL SUPPLY DONATION

Help teachers and students in need of classroom supplies. 2 methods for donation:

- [Online](#) at Amazon School Supply Wish List
- School supply drop box at the next two General meetings



AMBASSADOR LECTURE PROGRAM

In addition to our partnership with Greenlee, we are looking for volunteers to present about their career and the O&G industry to area high schools and colleges

When: 2014-15 school year, ongoing, pick a day that's convenient for you

Details: Email [Megan Starr](#)

Continuing Education

November 2014

Coaching for Performance November 11-12

This 2 day, highly experiential course will provide course participants in a supervisory or leadership role with a methodology to improve the performance and retention of their direct reports through coaching.

January 2015

Microseismic Imaging of Hydraulic Fracturing Jan 27-28

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.

April 2015

Land Basics for the Engineer Apr 21-22

Land Basics for Engineers or “How to understand that babbling Landman!” Plus a special bonus class, “Defense against the dark arts of the salesman.”

Society of Petroleum Engineers - Denver Section

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