There will be **No General Section Meeting this month.**

July 10, 2013 SPE Surface Meeting – 3M High Flow filtration system

July 24th, 2013 – 5:30 pm to 8:00 pm *Speed Mentoring Event*

July 25, 2013 - SPE SJV Section Monthly Networking Bash – Mentor, Intern and/or College New Hire

**SJV SPE Continuing Education Courses Coming Up:**

August 5-9th, 2013 8:00 am to 5:00 pm *Bachus Pump Course*

This is an intensive five day course which explains the design, operation, and maintenance of process pumps with emphasis on petroleum applications and pumps used in petroleum production and refining. Students should bring their laptops and a calculator to assist in the learning process.

August 13th, 2013 – 9:00 am to 4:00 pm - *Cross Generational Workshop*

The objective of this participatory workshop is to explore the practical application of soft skills through case studies facilitated by seasoned facilitators.

August 20-21, 2013 – *Project Decision Making*

Millions of decisions are used to execute a complex project. Success depends on the effectiveness of all project decisions, not just the few made formally via structured method. This course is about improving the effectiveness of all project decisions, not just the big ones.

**Questions:**

Please call Terry L. Kloth @ 661-328-5952 (office); 661-342-1068 (mobile) or e-mail TLKB@pge.com if you have questions or need additional information.
I would first like to thank the outgoing board and particularly Max Solanki for his guidance during the past year. The SPE San Joaquin Valley Chapter has been very fortunate, many volunteers have contributed to our success and the leadership has been thoughtful and always committed to the good of the chapter. Particularly I want to express a lot of gratitude to Larry Miller for his heavy lifting through the past years, his support was always there and hopefully his insight will still be accessible (wherever he finally retires to).

Having spoken to the efforts of the past leadership, let’s fast forward to 2013/2014. This will be an interesting year for the San Joaquin Valley Chapter, it seems as if technology never stops improving and the California Oilfields always seem like a great laboratory for new advancements. Increased Crude Oil prices will make previously uneconomic reservoirs viable, thus creating technology forcing demands for new recovery methods.

As stewards of the most strategic commodity (energy) our members and non-members alike will have to focus on low impact drilling, completions and production technologies. Urban encroachment and an increasing sensitivity to environmental impacts, has steadily created a condition where non-E&P surface occupants are upping their demands that land use laws and regulations move to grant them more exclusive access, potentially weakening the ability of E&P engineers to freely use the surface for long-term E&P development of strategic reserves. I hope to see a future where the problem is redefined to be a challenge and engineers are empowered to solve the problems. The philosophy of stewardship is codified in corporate guidance and policies as well as numerous laws and regulations; the physical act of stewardship is process combines: thoughtful management, good engineering practices and safe operations—people, not paper. Computers need to churn algorithms, pencils need to be sharpened and nuts and bolts always need tightening!

New laws and regulations will always emerge defining the societal consensus on “stewardship challenges.” But managers, engineers and operations personnel must implement these where the rubber meets the road. No E&P manager ever issues instructions without invoking terms such as cost-effective and safety first, no engineer reduces or eliminates design and safety margins and operators are all about getting it right the first time. The industry’s historic success has been measured in the ubiquitous availability of fair priced hydrocarbon energy and petroleum based chemical products for every person wishing to freely purchase it.

Closer to home, the San Joaquin members have developed efficient, low loss techniques shared throughout the world and now with the emergence of climate change concerns you will be at the heart of developing new techniques to lessen the carbon footprint of Crude Oil.

I look forward to the next year, and I hope to see as many of you as possible attend and contribute to the General Section Meetings and other functions. As professionals, both young and old, we can all reap the rewards from the mixing of new innovations with years of applied engineering experience.

I have been active in the SPE for many years and have had the good fortune to attend many conferences, “forums” and co-edit the environmental monograph. Your SPE San Joaquin Valley Chapter is your local forum for meeting friends, solving E&P’s technology challenges, sharing information and celebrating our achievements. In closing, this is going to be your year full of challenge and opportunity and I hope to see you soon. Please feel free to contact me with ideas for meeting subjects and if you or your company wants to contribute, please feel free to contact me or any other board member.
<table>
<thead>
<tr>
<th>POSITION</th>
<th>NAME</th>
<th>COMPANY</th>
<th>PHONE</th>
<th>E-MAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section Chair</td>
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<td>Naftex Operating Co.</td>
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<td>Vintage Production Calif.</td>
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<td><a href="mailto:Keith_Kostelnik@oxy.com">Keith_Kostelnik@oxy.com</a></td>
</tr>
<tr>
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<td><a href="mailto:PTWillis@aeraenergy.com">PTWillis@aeraenergy.com</a></td>
</tr>
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<td><a href="mailto:HJKim@aeraenergy.com">HJKim@aeraenergy.com</a></td>
</tr>
<tr>
<td>Sub-Surface Study Group</td>
<td>Orhan Pashayev</td>
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<td>661-412-5173</td>
<td><a href="mailto:Orkhan_Pashayev@oxy.com">Orkhan_Pashayev@oxy.com</a></td>
</tr>
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</tr>
<tr>
<td>Website Administrator</td>
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<td><a href="mailto:rakesh.trehan@halliburton.com">rakesh.trehan@halliburton.com</a></td>
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<tr>
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<td>PG&amp;E &amp; Zodiac Exploration Inc.</td>
<td>(661) 342-1068</td>
<td><a href="mailto:TLKB@pge.com">TLKB@pge.com</a></td>
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<td>Continuing Education Arrangements</td>
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<tr>
<td>Activities</td>
<td>Tara Butler</td>
<td>Enova Solutions</td>
<td>(661) 327-2405</td>
<td><a href="mailto:Tbutler@enovaes.com">Tbutler@enovaes.com</a></td>
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<td>Baker Hughes</td>
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<td><a href="mailto:TLal@aeraenergy.com">TLal@aeraenergy.com</a></td>
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<td>(907) 230-9840</td>
<td><a href="mailto:twalsh@petroak.com">twalsh@petroak.com</a></td>
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</tbody>
</table>
SJV SPE Supports Local Students With Scholarships!

SPE Academic Scholarship Recipients for Year 2013-2014

<table>
<thead>
<tr>
<th>Graduating High School Seniors</th>
<th>Last</th>
<th>First</th>
<th>High School Name</th>
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<tbody>
<tr>
<td>Brinkman</td>
<td>Joshua</td>
<td></td>
<td>South High School</td>
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<tr>
<td>Elliot</td>
<td>Jacob</td>
<td></td>
<td>Garces Memorial High School</td>
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<tr>
<td>Frost</td>
<td>Derek J</td>
<td></td>
<td>Liberty High School</td>
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<tr>
<td>Gill</td>
<td>Ravinderdeep</td>
<td></td>
<td>South High School</td>
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<tr>
<td>Regan</td>
<td>Morgan</td>
<td></td>
<td>Independence High School</td>
</tr>
<tr>
<td>Yu</td>
<td>Justin</td>
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<td>Stockdale High School</td>
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<table>
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<th>College Students</th>
<th>Last</th>
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<tbody>
<tr>
<td>Choi</td>
<td>Alexander Mark</td>
<td></td>
<td>Cal Poly</td>
</tr>
<tr>
<td>Dang</td>
<td>Angela</td>
<td></td>
<td>Colorado School of Mines</td>
</tr>
<tr>
<td>Eden</td>
<td>Alexander Clinton</td>
<td></td>
<td>UC Santa Barbara</td>
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<tr>
<td>Hertel</td>
<td>Kelly Cameron</td>
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<tr>
<td>Lopez</td>
<td>Caleb Luke</td>
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<td>Colorado School of Mines</td>
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<tr>
<td>Mazmanian</td>
<td>Elizabeth</td>
<td></td>
<td>UCLA</td>
</tr>
<tr>
<td>Minner</td>
<td>Mara</td>
<td></td>
<td>UC Berkley</td>
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<tr>
<td>Mojo</td>
<td>Connor</td>
<td></td>
<td>Oklahoma State University</td>
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<tr>
<td>Moraza</td>
<td>Joanna</td>
<td></td>
<td>Bakersfield College</td>
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<tr>
<td>Paulson</td>
<td>Grant Warren</td>
<td></td>
<td>University of California Berkley</td>
</tr>
<tr>
<td>Speirs</td>
<td>Nathan</td>
<td></td>
<td>Brigham Young University</td>
</tr>
</tbody>
</table>

Joanna Moraza receiving scholarship certificate from SPE Section Chair Max Solanki

Connor Mojo receiving scholarship certificate from SPE Section Chair Max Solanki
**SPE Surface Study Group Lunch**

**3M High Flow filtration system**

**Speaker:** Tim Nelson, Sales Engineer, 3M Purification

**Date:** Wednesday, July 10, 2013, at 11:30 a.m.

**Location:** Petroleum Club, 5060 California Ave, Suite 1200, Bakersfield, CA

**Reservations:** RSVP by Monday, July 08, 2013, after July 08th, fees go up by $5.00.
RSVP via email to Rakesh.Trehan@halliburton.com

Or reserve via PayPal

**Members ($20)** [https://www.paypal.com/cgi-bin/webser?cmd=_s-xclick&hosted_button_id=TWBBA5HJJ2K3G](https://www.paypal.com/cgi-bin/webser?cmd=_s-xclick&hosted_button_id=TWBBA5HJJ2K3G)

**Non-Members ($25)** [https://www.paypal.com/cgi-bin/webser?cmd=_s-xclick&hosted_button_id=9E6QUH9RTS4Y8E](https://www.paypal.com/cgi-bin/webser?cmd=_s-xclick&hosted_button_id=9E6QUH9RTS4Y8E)

**Abstract**

Tim Nelson will give a presentation on the 3M High Flow filtration system for removing solids from any liquid stream. It can be used for protecting an injection well, water-softener and other equipment. This includes filtering process glycol dehydration and amine systems, and natural gas streams. The 3M High Flow filtration system is a large diameter disposable cartridge element made from 3M polypropylene fiber technology and designed with a patented radial pleat for optimizing dirt loading capacity. It offers ergonomically ease-of-use and compact design for user friendly system to optimize the liquid and gas process performance.

**Biography**

Tim has over 25 years of experience in technical service and sales with a Bachelor in Chemistry from Earlham College in Richmond IN, and a MBA from Cal Poly Pomona CA. Tim is a Sales Engineer for 3M Purification and for the past 9 years held several different sales management roles on the western part of the U.S. covering the Industrial markets that include Municipal Water, Oil & Gas, Utilities, Textiles, Food & Beverage, and Coatings. Tim has worked in all the Southern California Refineries and the Oil & Gas fields covering liquid and gas purification applications. This responsibility includes working with the engineering firms doing front end design projects involving liquid and gas purification systems. In past, Tim has worked for 3 years as a Regional Sales Manager at Imerys, a French mining company and 12 plus year at Reichhold Chemical, a U.S. polymer manufacturer. Tim has been a member in the SWMOA and also the ASME.

Tim has 3 children at 7, 9, and 11 years old, and he is an AYSO soccer coach, a leader for his Cubscout Pack, and a Scouthouse Committee Member.
HIGHLIGHTS of June

Lookback on 6/12/2013
SPE SubSurface Study Group
A Novel Approach to Well Communication
That Drives Higher Profits in Improved Oil Recovery Projects
(SPE members can see presentation in http://connect.spe.org/SJV/)

Left to Right
Dan Pender, Baker Hughes, Tom Hampton, SPE Board Member
(Aera Energy, LLC), and Freeman Hill, Baker Hughes
Speed Mentoring

YP Registration: $40
Interns: FREE!
No Walk-ins Will Be Accepted!
You must RSVP to attend

Bakersfield Petroleum Club - 5060 California Ave, Bakersfield, CA 93309

Wednesday, July 24th, 2013 — 5:30 PM – 8:00 PM

Please join us for an evening of networking and mentoring. This event will be focused on mentoring/networking amongst the SJV SPE interns and Young Professionals. The event will be a casual setting designed to facilitate a conversation amongst interns and professionals of every discipline.

Why is mentoring important?

- Accelerates acclimation to the industry
- Allows for better informed choices
- Assists the transmission of knowledge
- Helps in identifying skill gaps
- Share knowledge of career success factors

Check-in will begin at 5:30pm. Following check-in, dinner will be served and our Keynote speaker, Vicki Hollub, Executive VP of Oxy’s California Operations, will kick things off. Following the opening remarks we will begin the mentoring session.

Register and pay via PayPal with the links below

Professionals
https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=MGGVE6NFGLZ3Y

Students
https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=39S9PZYV3HYJ2

Registration Deadline: July 17th, 2013, 5:00 PM

For questions or to RSVP contact: Keith Kostelnik at keith_kostelnik@oxy.com
Cross Generational Workshop

Tuesday, August 13th, 2013 — 9:00 AM – 4:00 PM

Please join us for a workshop to discuss cross-generational communication, share best practice for working together and team-based discussion and presentation of real world business case studies. The event will consist of three main components - keynote speech, panel discussion and team-based case study plus presentation of findings.

**Technical and soft skills are important for career successes.** This one day experiential soft skills workshop provides an opportunity to enhance understanding and application of soft skills in the workplace. The objective of this participatory workshop is to explore the practical application of soft skills through case studies facilitated by seasoned soft skills facilitators. Come and enjoy this special learning experience.

The workshop targets young professionals, mid-career professionals, seasoned professionals, and post-employment professionals. Attendees explore the balance and application between technical and soft competencies expected of industry professionals.

- If you are a manager or a project lead, and want to learn how to lead a cross-generational group, this is your chance!
- If you are a Generation Y going to school, and you want to learn how to fit in and excel upon entering the workforce, this is your chance!
- If you are a young professional puzzled how your boss, co-workers, and interns interact, do not miss this workshop!
- If you are a mid-level professional and want to adjust and excel in working with cross-generational members, this is the workshop!
- If you are a seasoned professional and want to continue to be successful when working with cross-generational teams, this is the workshop!

**Dr. Behrooz Fattahi, 2014 AIME President**, will deliver the keynote speech to provide insights into soft skills and career success.

- Check-in & Network
- Keynote Speech: Dr. Behrooz Fattahi
- Panel Discussion
- Case Study Learning Experience
- Case Study Summary
- Conclusions and Feedback

**Registration:** $75
Students: $10
**No Walk-ins Will Be Accepted!**

Register and pay via PayPal with the links below

**Professionals**
[https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=FV9WHNROQWXF4C](https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=FV9WHNROQWXF4C)

**Students**
[https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=GBADAZ7KHLTTC](https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=GBADAZ7KHLTTC)

**Registration Deadline:** August 6th, 2013, 5:00 PM

For questions contact: Keith Kostelnik at keith_kostelnik@oxy.com
A reminder to everybody in our membership that the 2012 Annual Technical Conference & Exhibition (ATCE) will

Ksenia Eliseeva, SPE, is district technical engineer for Schlumberger’s Pressure Pumping Services in California. Ksenia has worked in the industry since 2004 with experience ranging from Research & Development to Operations roles in Russia and United States. Her areas of interest include well cementing, hydraulic fracturing and matrix acidizing design and evaluation. Ksenia has been an SPE member since 2004 and is a co-author of four SPE papers and four patent applications. She has served on the SPE SJV Board since 2012.

PROFESSIONAL SPOTLIGHT

MATT KEDZIERSKI

Matt Kedzerski is the Lean Six Sigma Coordinator for Aera Energy in Bakersfield, California. He mentors those trained in LSS in the areas of project management and coordination related to down hole pumping, dehydration, and IT amongst other areas related with upstream operations. Matt was awarded a Master Black Belt in LSS in 2012. His background is Chemical Engineering in which he has a BS degree from New Jersey Institute of Technology, Summa Cum Laude. Matt has worked for BJ Services in Bakersfield as their laboratory manager prior to joining Aera with responsibilities in acid stimulation, primary and remedial cementing and fracture stimulation treatments. Matt is a member of SPE and also the API where he is currently on the board serving as chairman. Matt is active in the community by participating in such activities as Dreambuilders Advisor, member KHSD Re-Zoning Committee, and Parent liaison to Bakersfield City School District just to name a few. After joining Aera Matt finds time for the things he likes to do outside of work which are family, community, church, cooking and gardening.

SPE SJV: You are a Six Sigma coordinator, what are the main challenges that you see implementing Lean Six Sigma principles?

MK: I believe it is teaching the participants how to run projects both from a project management and technical perspective. I mentor each individual on project implementation by teaching them how to adapt the right tools and techniques to each of their projects, in effect, to teach that person how to manage his project and how to choose what analyticals to use to arrive at meaningful answers.

SPE SJV: What is the most interesting assignment / project you worked on that really stands out for you?

MK: While working for BJ Services I was assigned to the team responsible for coming up with a cement slurry capable of plugging the 1998 Bellevue blowout in East Lost Hills, California. With extremely high bottom hole temperatures of around 450 degrees F we had to design a slurry around a Class H cement that would not flash set before being placed. We were successful in locating the materials needed and placed the slurry that killed the well.

Do you know someone who has done something special or would like to share his/her insight on the profession?

Nominate your colleague for Professional Spotlight!

Send to TJHampton@AeraEnergy.com

Have a question you want to ask a Professional in Spotlight? Very easy!

Send your questions to TJHampton@AeraEnergy.com and the best ones will be included into interviews!
PROFESSIONAL SPOTLIGHT: MATT KEDZIERSKI

(continued from previous page)

SPE SJV: What was the most difficult experience that you have encountered over the years?

MK: I believe if I had to pick one difficult experience or time it was when I was working for a service company. The demands on my time did not allow for the balance between work and family. Often when the work came in, it taxed our resources to the limit such that all of us had to put in 90-hour weeks to meet the customers’ needs. Also during this time we experienced somewhat of a downturn in the industry in which reduced service company staff was the norm. To get a quality product out and on time was always a challenge.

SPE SJV: What is the best or worst trend you see happening in our industry?

MK: The best trend I see happening in California is the opportunity to explore and produce the Monterey Shale. This is a genuine frontier for the California Oil & Gas business. The potential for discoveries and generating new reserves is phenomenal not to mention the potential benefits to California in terms of jobs and tax revenues. On the other side of the coin we in the industry must get the word out about how these kinds of reservoirs are developed and that hydraulic fracturing is an important tool to unlock these riches. The general public is generally uninformed about fracking and unless we as an industry get the truth out this opportunity could disappear.

SPE SJV: You participated in the Derricks to Desks seminars for school teachers last year. Could you tell us about your experience and why you decided to get involved in that program?

MK: The Derricks to Desks program is supported by WSPA (Western States Petroleum Association) and implemented by volunteers. We engage teachers, about 40 last year, to teach the teachers about our industry. They in turn will teach their students through lectures and labs demonstrating the history and various facets of our industry. Every July we get together with teachers to provide them with the instruction and the materials they will need to bring our story to the classrooms. The is an excellent program and is well received by teachers and students alike.

SPE SJV: If you would not have joined the oil industry, what would you be doing today?

MK: I have a real passion for teaching. At one time I seriously considered going that direction with my education. I am fascinated by people who want to learn and how through learning it opens up so many opportunities. Seeing the rewards that come from using new found knowledge is fascinating to me.

SPE SJV: What keeps you busy outside of work?

MK: Family is very important to me so I spend as much time with my children as possible. I stay engaged in the community through volunteering for various groups including API and causes and with the church. In my personal time I engage myself in gardening and cooking to the delight of my family as they frequently get fresh cooked vegetables from my garden.
Who will you meet?

If you are a Mentor, Intern and/or College New Hire, or bring an Intern or College New Hire to the *SPE SJV Section Monthly Networking Bash*, you could walk away with a *new iPad w/Retina display!*  

**Thursday, July 25, 2013 - 5:30 to 7:30 PM**  
Lengthwise Pub at 2900 Calloway Drive  
*This month’s Sponsor is:*

---

In addition to this month’s special drawing, our sponsor generously provides appetizers for your enjoyment while mixing and mingling with colleagues old and new.  

Please RSVP to Tara Butler at tbutter@enovaes.com or 661-327-2405  
SPE Networking bashes are held monthly as a service to our members.  
Non-member guests are always welcome to attend.  

* Each intern, college hire and/or mentor/sponsor will receive one raffle ticket for the drawing. Only one guest per mentor/sponsor. Mentor is defined as formal mentor as designated by company to a college new hire or intern as part of assigned work duties. College new hires cannot have worked for operator, or service company, for more than 12 months. Must be present at the time of the drawing to win. iPad donated compliments of Oxy Elk Hills, California Heavy Oil and Vintage Production California.
The SPE SJV Section would like to thank FMC Technologies for sponsoring our June Networking Bash!

SPE Networking bashes are held monthly as a service to our members and are great opportunities to come out and meet people from all areas of our industry in a social setting.

Our sponsor generously provides appetizers for your enjoyment while you are meeting new people or visiting with a long time colleague.

We are always looking for companies or individuals that would like to sponsor this event. For additional information please contact Tara Butler @ tbutler@enovaes.com or 661-319-

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**Chevron 13 API Crude Price**

(Daily Posted Price)
SJV SPE Continuing Education
“Bachus Pump Course”

Instructor: Mr. Larry Bachus
Date: August 5-9th, 2013 (8:00 am to 5:00 pm)
Location: University of Phoenix, 4900 California Ave, Bakersfield, California.

Announcement:
SJV SPE is proudly sponsoring the – Bachus Pump Course. This is an intensive five day course which explains the design, operation, and maintenance of process pumps with emphasis on petroleum applications and pumps used in petroleum production and refining. Students should bring their laptops and a calculator to assist in the learning process.

Questions:
Please call Terry L. Kloth @ 661-328-5952 (office); 661-342-1068 (mobile) or e-mail TLKB@pge.com if you have questions or need additional information.

Payment & Cost:
Payment can be made by check at the door on the first day of class (RSVP in advance by e-mail) or register & pay with a credit card via PayPal (below). The course is limited to 50 students. The price of this course for SPE members and non - members is $1,700 per person. The text book “Everything You Need to Know about Pumps” is included with the course. Morning and afternoon snacks, cold and hot drinks, and a light lunch is included.

PayPal Link:
https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=ELZXE8VB6ACE

RSVP: Please RSVP to TLKB@pge.com

Target Audience:
Facility Engineers, Facility Engineering Supervisors, Construction Engineers, operational personnel, supervision; Piping engineers, designers, Project Engineers, Project managers, and anyone who would like a better understanding of pumps.

Course Outline:
1) Pump Principals:
2) NPSH, Net Positive Suction Head
3) Cavitation- Types- Prevention
4) The Affinity Laws
5) Useful Work and Pump Efficiency
6) Pump Classification – Types of Pumps
7) Understanding Pump Curves
8) The “Pumping” system curve
9) Pump Shaft Deflection
10) Pump and Motor Alignment
11) Pump Bearings & care
12) Pump Shaft Packing
13) Mechanical Seals
14) Failure Analysis of Mechanical Seals
15) Common Sense Failure Analysis
16) Avoiding Wear in Centrifugal Pumps
17) Proper Fluid Piping

Special Requirements: Lap Top and calculator

Instructor’s Biography:
Mr. Larry Bachus has over 40-years of experience working with Industrial Pumps, including almost 20-years dedicated to refinery pumps. His areas of expertise include the design selection, operation, and maintenance of petroleum process pumps.

For many years, Larry operated his own pump rebuild/repair facility where he serviced pumps for Gulf, Sunoco, Hess, Mobil, Esso, Shell DuPont and PDVSA. Today, Larry travels the world as mentor-trainer to global refiners SASOL, PETRONAS Petroleum, ECOPETROL de Colombia, Chevron Nigeria, Chevron South Africa, SAPREF and India Oil. He is instrumental in drastically improving the service time (MTBF) of industrial pumps.

Larry has authored many “pump” articles and papers. He has authored two books “Know and Understand Centrifugal Pumps” and “Everything you need to Know about Pumps”. Larry wrote the second book in English and Spanish at the same time.

Larry has a certificate in Maintenance Management from the University of Alabama, and is currently working on a Master’s Degree at Middle Tennessee State University. Larry is a U.S. Navy veteran and is CEO of Bachus Company, Inc. Larry is known worldwide as “The Pump Guy”.

SJV SPE Continuing Education

Project Decision-Making

Howard Duhon  August 20-21, 2013

Description

It takes millions of decisions by thousands of people to execute a major oil and gas project. A few of these decisions are made by analytical methods, but the vast majority are made via less structured methods including intuition. Project success depends on the effectiveness of all project decisions, not just the few made formally via structured methods. This course applies a variety of insights from diverse fields including psychology, cognitive science, naturalistic decision-making, action science, sensemaking, mathematics and communication theory to improve engineering decision-making. Learnings and insights from the course are used to develop a strategy for improving decision-making and to develop answers to four questions of key importance in project design:

- Why do so many changes occur late in projects?
- Why do we have so many problems at interfaces?
- Why do we repeat mistakes from project to project?
- Why do projects usually finish late?

Topics include:

- Collecting and evaluating data to generate conclusions/beliefs
- How we use preconceived notions to make sense of new data
- A structured focus on our values to improve our skill at setting objectives and identifying alternatives
- The cause of defensiveness
- Individual and organizational learning—why the most important lessons are often the most difficult to learn
- Naturalistic decision-making; the study of the impacts of stress and expertise
- Decision theory insights to improve the performance of teams and minimize problems at interfaces between teams

The book, *Making Sense and Making Decisions, an engineer’s guide to project decision making*, authored by the instructor is the handout used for this course.

Why You Should Attend - Millions of decisions are used to execute a complex project. Success depends on the effectiveness of all project decisions not just the few made formally via structured method. This course is about improving the effectiveness of all project decisions, not just the big ones.

Who Should Attend - Engineers, operations staff and other technical professionals involved in project design, execution or operation.

CEUs - 1.6 CEUs (Continuing Education Units) awarded for this 2-Day course.

Cancellation

Policy - To receive a full refund, all cancellations must be received in writing no later than 14 days prior to the course start date. Cancellations made after the 14-day window will not be refunded. Send cancellation requests by email to trainingcourses@spe.org; by fax to +1.866.460.3032 (US) or +1.972.852.9292 (outside US); or mail to SPE Registration, PO Box 833836, Richardson, TX 75083.

For more details, please contact us at trainingcourses@spe.org.
SJV SPE Continuing Education
Thermal Oil Recovery

SHORT COURSE: OCTOBER 28-29, 2013 (M, Tu, W)
PRACTICAL 3-DAY COURSE, EXPERIENCED INSTRUCTORS, USEFUL PC PROGRAMS

Course Description: This 3-day thermal recovery course is designed to provide an understanding of heat and fluid flow in heavy oil reservoirs, prediction of thermal performance, and a review of field experience. Special attention is paid to current technologies such as operation of mature steamfloods, horizontal well applications, SAGD, VAPEX, etc. The course is designed for reservoir and production engineers but will also be useful for geologists, technicians and managers working in heavy oil production.

Easy-to-use PC programs and spreadsheets are provided to help the participants understand thermal processes and make engineering predictions.

Texts: Attendees will receive a comprehensive revised manual.

Computer Programs: IBM PC programs in Visual Basic and Excel worksheets are provided to estimate steam zone development, heat loss, cyclic steaming performance, pressure drop in steam lines, steamflood performance, SAGD calculations, etc.

Instructors: Farouq Ali has taught similar short courses to over 7000 industry participants during the past 48 years. He specializes in thermal recovery and simulation. Farouq Ali has written three books and over 500 technical papers on these subjects. He has designed more than 40 oil recovery projects in various countries. Among many awards, he received the 1997 SPE Thermal Recovery Pioneer, 2007 SPE Anthony F. Lucas, 2002 SPE Improved Recovery Pioneer and 1996 SPE Lester C. Uren awards. He is a member of the U.S. National Academy of Engineering.

Jeff Jones is Vice President, Reservoir Engineering with E & B Resources, in Bakersfield, and has over 40 years’ experience in all facets of thermal recovery engineering. Jeff has worked on steamflood, cyclic steaming, and in situ combustion projects, and has experience with reservoir, production, and facilities engineering. An accomplished programmer, he has published many technical papers and holds a number of U.S. patents on thermal recovery related devices. Jeff received Society of Petroleum Engineers’ Production Engineering Award in 2002. He was a SPE Distinguished Lecturer for 2004-2005. He received the Society of Petroleum Engineers’ Thermal Recovery Pioneer award in 2010.

Location: Four Points Sheraton, Inn, 5101 California Ave.

Registration fee is $3,300, Call (780) 461-2944, Fax (780) 461-8494, e-mail: farouq@telusplanet.net
PROFESSIONAL REGISTRATION REVIEW
COURSE FOR PETROLEUM ENGINEERING

COURSE DESCRIPTION: The Course covers most topics that are found on the State Board Petroleum Engineering Professional Examination.

WHO SHOULD ATTEND: Engineers who are planning on taking the PE Examination in Petroleum Engineering this fall.

INSTRUCTOR: Bing Wines, PE

BAKERSFIELD COURSE: (8:00 AM - 6:00 PM), Tuesday through Friday, September 3 – September 6, 2013

For More Information: 405-822-6761
E Mail: bingwines@cox.net
Web Site: winrockengineeringinc.com
WINROCK ENGINEERING, INC.
P. O. BOX 42296OKLAHOMA CITY, OK, 73123

68% Pass 2012 Petroleum PE Exam

NCEES and the State Engineering Boards released their 2012 Professional Engineering Exam results in February. Nationwide, the Petroleum Engineering Exam recorded a 68% pass rate. The Petroleum first time takers passed at a 79% rate. The estimated pass rates of a few other engineering disciplines were:

Chemical 58%  Agricultural 71%  Civil 56%  Fire Protection 52%
Electrical 58%  Industrial 74%  Environm’tal 55%  Metallurgical 48%
Mechanical 64%  Mining 70%  Nuclear 56%  Control Systems 71%

The Petroleum pass rates in 2012 for a few states:

Alaska 100%  Louisiana 71%  California 57%  Oklahoma 88%
Colorado 88%  Texas 67%

What are the requirements to take the Petroleum PE Exam? Today, California requires that you have:
1. An engineering, math or science degree.
2. Passed the Fundamentals, or EIT Exam.
3. At least four years of professional experience.

Interested? Contact the California State Engineering Board at (916) 263-2230 for application forms. State web sites are also available at: www.ncees.org/licensure/licensing_boards. The California application deadline to take this years PE Exam is May 1, 2013. This year’s test will be given on Friday, October 25, 2013.
Engineering Technician Assistant – Bakersfield, CA

E&B Natural Resources has openings for an Engineering Technician Assistant in Bakersfield, CA.

E&B is a privately held, growing independent E&P company (www.ebresources.com). Our California operations are located in Kern County of the San Joaquin Valley, Santa Barbara and San Luis Obispo Counties of the Cuyama Valley and Los Angeles County.

E&B offers a generous company benefit package that includes, medical, dental, and vision insurance coverage, short and long term disability, life insurance, matching 401(k) plan, paid vacation and holidays, and a discretionary quarterly bonus.

If you are result oriented, self motivated individual that enjoys working in a team environment, we welcome you to apply for this position.

Essential Functions of the Job:
- Retrieving and verifying data for analysis and preparing technical reports
- Maintaining production databases and monitoring performance
- Preparing, editing, and organizing wellbore diagrams

Knowledge, Skills, and Abilities
- Knowledge of MS Office Suite is required.
- Strong communication, organizational, analytical, and problem solving abilities
- Knowledge of SQL, PEEP or PHDWIN, OFM, DSS, or equivalent is desired.

In making application, please include base salary requirements. E.O.E.
Please send a completed application and resume no later than Friday, July 19th, 2013 to:

E&B Natural Resources Management, Attn. Human Resources Department
1600 Norris Road, Bakersfield, CA 93308 (661) 679-1700(P) (661) 679-1788(F)
Or email them to hr@ebresources.com
Seneca Resources Corporation, the oil & gas exploration and production subsidiary of National Fuel Gas (NYSE: NFG) is seeking a Sr. Production Engineer at its West Division office in Bakersfield, CA.

The Sr. Production Engineer will be an integral member of the West operations team with responsibilities to include:

- Ensuring production in Seneca’s heavy oil fields, Midway-Sunset & North Lost Hills, are operating at maximum efficiency with optimum cost effectiveness and comply with internal policy, federal & state regulations.

- Responsible for day to day production & reservoir engineering task for Midway-Sunset & North Lost Hills including but not limited to the following:
  - Production surveillance & steam recommendations
  - Workover, completion, & drilling recommendations & supervision
  - Reserves updating, budget preparations, & assisting with acquisition reviews
  - Supervise, mentor & develop junior engineering staff.

This position requires a BS in Petroleum Engineering & 10 + years experience in onshore production. Thermal recovery and waterflood experience along with strong communication and leadership skills.

To apply: email resumes to jobs@srcx.com

Please refer to Sr. Production Engineer, #13-06CA.
Be a part of URTeC, where oil & gas professionals will train the way they work — using an integrated approach.

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As unconventional become conventional, you’ll find several choices of conferences, but one event stands apart. The Unconventional Resources Technology Conference is uniquely designed to help asset teams succeed. So whether you’re searching for the next big thing, or simply looking to connect with geologists, engineers, geophysicists and more, URTeC is for you.

URTeC...
- is uniquely designed for asset teams (geologists, geophysicists, engineers and business managers working together to develop unconventional resources)
- is backed by 3 of the world’s leading scientific associations (SPE, AAPG, SEG)
- was developed based on input from oil company professionals
- focuses on all North American shale plays
- will feature a peer-reviewed, science-based conference
- will feature an exhibition showcasing the latest technologies, products and services

URTeC. The integrated event for oil & gas asset teams.
www.URTeC.org
The Termo Company, an independent exploration and production company, has an employment opportunity for a Petroleum Operations Engineer in Long Beach, California.

Responsibilities:

- Supervise operations of oil and gas producing properties
- Monitor and analyze wells to optimize and increase production through application of artificial lift equipment, recompletions and stimulations.
- Design well completions, recompletions, workovers and stimulations; prepare AFE’s, perform economic evaluations and supervise implementation.
- Review, evaluate and recommend opportunities for producing property acquisitions.
- Review drilling prospects from generators and other operators. Make recommendations for participation in exploration prospects as appropriate.

Qualifications:

- Bachelors degree in Petroleum Engineering.
- 5-15 years of varied experience, particularly with drilling, completions and production operations. Geographical work experience in California, Rockies, and/or Gulf Coast a plus.
- Possess good oral and written communication skills.
- Able to handle multiple projects.
- Experience maintaining and exploiting mature oil fields.

Benefits:

Competitive salary and benefits program is available.

To apply, send resume to billb@termoco.com
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Occidental Petroleum Corporation

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Processes Unlimited’s oil and gas project experience ranges from heavy and light oil production, pipelines, to water treatment and dehydration. ProU has been an engineering leader in the San Joaquin Valley, California and worldwide for the past 28 years in the Oil and Gas industry. ProU has also expanded to become an international leader in engineering services to over 25 countries. We regularly perform oil and gas projects with manpower ranging from 400 to 100,000 man-hours.

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A fast-paced, entrepreneurial company, Plains Exploration & Production Company (PXP) offers a challenging and rewarding career that will value your contribution. PXP offers a competitive compensation program and one of the best 401(k) matching programs in the industry. The Company offers comprehensive medical, dental and vision coverage and outstanding disability and insurance benefits. PXP benefit plans provide you and your family with the protection you need today and the opportunity to build financial security for your future.

Position Description:

Reservoir Engineer: Generates shareholder value through the identification and implementation of field enhancement / development projects. Qualified candidates will have demonstrated thermal and/or waterflood experience. Candidates should have 10 years of experience with a BS in Petroleum Engineering and be familiar with Oil & Gas economic and field surveillance software.

Reservoir Engineer Technician: Assist with economic analyses using PEEP and OFM to engineering projects. Candidate should have 5 years’ experience as an engineering technician in the oil and gas industry. The ideal candidate will have a BS in Economics, Math, Computer Science or other related degree with experience with Petroleum Engineering and be familiar with Oil & Gas economic software.

How to Apply:

Successful candidates will enjoy a generous compensation and benefits package. Qualified applicants must have authorization to live and work in the United States without company provided sponsorship. Submit Resume to: PXP Attn: Human Resources, 1200 Discovery Dr., Suite 500, Bakersfield, CA 93309 or Fax 661-395-5283 or email calcareers@pxp.com

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