Winter fog is coming - Work Safely - Drive Safely

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http://connect.spe.org/SJV/

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Newsletter Editor:
Craig Pauley
CraigPauley@Chevron.com
I hope everyone had a happy and safe Thanksgiving. As the year draws to an end, please remember to renew your SPE membership by December 31st. If you have been affected by the fluctuating oil prices you may be eligible for a dues waiver, email service@spe.org, for a fee waiver request.

Plans are moving ahead for the 2016 Western Regional Meeting. The call for papers is closed. The technical committee will notify you on or before December 15, 2015 if your abstract is chosen. If your abstract is selected, please obtain all required permissions from your company before the 2016 WRM so that you are able to present. If you are unable to present, please give the WRM committee plenty of notice so that alternates may be notified. Award nominations is open and can be submitted online. The deadline for nominations is February 15, 2016. If you would like to make certain that your candidate hasn't already received an award in the category you would like to nominate him/her, please contact Blythe Johnson, Chevron, she can research that information for you.

Finally, the annual SJV SPE toy drive will be held on December 10, 2015 at Lengthwise on Calloway. Let's show our support for the community and give the children a Merry Christmas.

Until next year have a safe and Happy Holiday, Merry Christmas and Happy New Year,

Pam Willis
Anil Ambastha has 27 years of experience in various facets of oil and gas reservoir engineering, including applied reservoir simulation, pressure transient analysis, waterflooding, and thermal recovery, since his Ph.D. in petroleum engineering from Stanford University. He has worked in six countries and currently serves as "Reservoir Characterization Section Lead" at Chevron Nigeria Limited. Past employers have been Oil and Natural Gas Commission, the University of Alberta, Shell Canada Limited and Phillips Petroleum Company. He also served as an Executive Editor of SPE Reservoir Evaluation and Engineering journal (Reservoir Engineering side) from 2008-2011 and as principal editor of 2-volume SPE reprint series No. 61 on "Heavy Oil Recovery". He is a winner of three SPE International Awards (Lester Uren Technical Excellence, Distinguished Member, and Distinguished Service), seven "Outstanding Technical Editor" Awards, and "A Peer Apart" Award.

TOPIC: “Uncertainty Assessment Using Reservoir Simulation Models”

Uncertainty assessment using reservoir simulation models for green- and brown-field situations has become a common practice. While capturing uncertainties in forecasts is required in all situations, developing multiple history-matched models is also an important goal for brownfield situations. **Objective of this talk is to provide systematic and practical guidelines for uncertainty assessment work using reservoir simulation models.** This talk discusses steps involved in any uncertainty assessment including selection of uncertain parameters and their ranges, practical experimental design methods, appropriate response or tracking functions (or variables), and data analysis techniques. Guidelines are provided to judge "quality of history match" based on prudent interpretation of response or tracking functions/variables. A Monte Carlo simulation-based methodology to develop multiple history-matched models for brownfield situations is presented in detail including practical tips on problem setup and analysis of results. Unique nature of uncertainties related to forecasting situations is discussed with an emphasis on a need to engage all operational and facilities personnel to develop adequate forecast problem description. Guidelines presented in this talk are illustrated using a case study example. Practical tips presented in this talk would be of use to all earth science and petroleum engineering professionals, including reservoir simulation engineers, involved in uncertainty assessments. However, one must always remember one thing - no matter how careful we are, we cannot assess the impact of unidentified uncertainty.

**Date:** Tuesday, January 12th, at 11:30 a.m.
**Location:** Petroleum Club, 12th floor, 5060 California Avenue, Bakersfield
Please RSVP by 12 PM Monday, January 11th, 2015
Using one of these options:
Paypal account where you can use your Visa, Mastercard, American Express, Discover, or Paypal Account
Members $25  
https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=E4QZSGXZD5P9Q
Non-Members $30  
https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=GS6WVRTDDK3M6

**Students:** Free with RSVP, *no-shows may be billed*
**Day of event:** Members $30, Non-Members: $35

*Walk-ins and attendees with email/phone RSVP must pay by cash or credit card at the door.*

Please RSVP to Gihan Abeidi, G Abeidi@slb.com or 661-864-4718
LOOKING for speakers – SPE Surface & Subsurface Study Groups:

Are you a subject matter expert? OR Have you recently published a SPE paper? SPE wants you to present your interesting topic to our study groups which are held during lunch the second week of the month.

If you are interested, please contact Allison Escovedo (aescovedo@ebresources.com 661.679.1745) OR Gihan Abeidi (Gabeidi@slb.com 661.864.4718)
Announcing the SPE SJV Section Monthly Networking Bash and SPE Young Professionals Toy Drive

Bring a toy to donate and receive a raffle ticket

Sponsored by:

Thursday, December 10, 2015
5:30 to 7:30 pm
at
Legthwise Brewery “The Pub” Northwest
2900 Calloway

SPE Networking bashes are held monthly as a service to our members. This is a great opportunity 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 longtime colleague.

Non-members guests are always welcome to attend.

RSVP to Dave Susko @ david.susko@bakerhughes.com
or 661-342-0691
COMMUNITY OUTREACH & EDUCATION

Mobile Oilfield Learning Unit (MOLU)

In partnership with Energy Partners Fund, SJV-SPE sponsored the Mobile Oilfield Learning Unit (MOLU) to visit 3 Bakersfield schools in early November. MOLU is a $1.2 million traveling STEM-based interactive educational exhibit that brings the science of the oil industry to students in a fun and interactive way.

We had positive reactions for all schools we visiting including requests from teachers and administrators to return and many students who exclaimed, “Cool!” or “Awesome!”. Students were exposed to how products and energy from the oil and gas industry both impact and enrich their lives, making the common conveniences we take for granted possible.

The Schools would like to thank SPE for sponsoring the MOLU Exhibit and teaching children about the science of the oil industry.
Short course: Advanced monitoring of micro-seismicity and application to reservoir characterization and fracture growth

Dr. Thomas H.W. Goebel, California Institute of Technology

Date: January 26, 2016 (8:00 am to 4:00 pm)

Location: University of Phoenix, 4900 California, Ave, Bakersfield, California.

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 price of this course is $500 per person for professionals and $400 per person for students. Morning and afternoon snacks, cold and hot drinks, and a light lunch is included.

PayPal Link:

Professionals: https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=G9RJ8F4852RRG

Students: https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=PU6U8EC9T5MPU

Main course topics:

- Introduce state-of-the-art methods for the analysis of micro-seismicity catalogs (fractal dimension, b-value, cluster analysis, inter-event times etc.)
- Seismicity-based characterization of fracture initiation and growth
- Determine local stress orientations from seismic data
- Hands-on exercises and practical training

This one-day course provides the knowledge and tools to analyze seismicity data in a reservoir environment and to understand benefits and limitations of different analysis methods. We will start by exploring some basic theoretical concepts required to understand seismic source processes. We will then discuss various methods for the creation and analysis of seismicity catalogs, invert for hypocenter locations, focal mechanisms and stress orientations and interpret results with respect to expected fracture growth. Lastly, we will explore in detail how micro-seismicity monitoring can be used to accurately describe reservoir properties and monitor hydraulic fracturing.

Targeted audience: engineers, technicians and scientists with interest in seismicity analysis and reservoir characterization

Prerequisites: no specific background is required but some knowledge of source seismology, basic programming skills and familiarity with MATLAB are beneficial

Structure: The course will include three main parts: The first part will provide a brief overview of earthquake source theory and basic seismological analysis. The second part will focus on hands-on catalog creation, phase picking, beam forming and travel time inversions. The third part will focus on advanced seismicity catalog analysis in a reservoir environment. Several problem sets will be discussed throughout the course. The solution of the problem-sets will provide the attendees with useful MATLAB codes for seismological analyses that can be extended for future application to seismic data recorded during injection operations. The main emphasis of the course will be on applying the introduced methods to actual reservoir data.

For details and questions contact:

Mojtaba Ardali: mojtaba.ardali@crc.com
Thomas Goebel: tgoebel@gps.caltech.edu
www.gps.caltech.edu/~tgoebel

1Now at University of California Santa Cruz
HEAVY OIL RECOVERY BY HOT FLUID INJECTION METHODS

Dr. Berna Hascakir, Texas A&M University

Date: February 3-4, 2016, (8:00 am to 4:00 pm)

Location: University of Phoenix, 4900 California, Ave, Bakersfield, California.

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 price of this course is $1,150 per person. Morning and afternoon snacks, cold and hot drinks, and a light lunch is included.

PayPal Link:

Register: https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=C8BVER93G9RQG

Questions:

Description: This course is designed to teach the hot fluid injection methods for the extraction of low API gravity and high viscosity reservoir fluids such as heavy oil, extra-heavy oil, and bitumen. The displacement mechanisms, performance prediction calculations, and field design of each process will be discussed in details and important field examples will be provided.

Topics to Include: (a) Introduction; concepts and definitions; (b) Hot Water Drives; (c) Steam Drives; (d) Cyclic Steam Injection; (e) Steam Assisted Gravity Drainage (SAGD); (f) Solvent-Steam processes to mitigate the environmental issues of steam generation; (g) Possible flow assurance problems; emulsion formation and asphaltene precipitation

Learning Level: Intermediate

Course Length: 2 days

Why to Attend?: The world’s heavy oil, extra-heavy oil, and bitumen resources are vast. To meet future oil demand, it is essential to gain knowledge on thermal enhanced oil recovery (EOR) mechanisms to extract effectively these vast resources. This lecture will provide important concepts on how to implement hot fluid injection methods in the field scale. Both pore-scale and volumetric-scale displacement mechanisms will be discussed and all important parameters for the field application will be reviewed. By the end of this lecture, students will be able to design any hot fluid injection method for a specific reservoir.

Instructor: Berna Hascakir is an assistant professor at Texas A&M University Petroleum Engineering Department. She is the director of Heavy Oil, Oil shales, Oil sands, & Carbonate Analysis and Recovery Methods (HOCAM) Research Group at Texas A&M University. HOCAM investigates the pore-scale displacement mechanism for steam, steam-solvent, and combustion processes for the recovery of high viscosity and low API gravity crude oils. She teaches Phase Behavior of Reservoir Fluids, Water flooding, Enhanced Oil Recovery, and Thermal Enhanced Oil Recovery classes to both undergraduate and graduate level students. Before joining the Texas A&M University, she served as a senior heavy oil reservoir engineer at Schlumberger in Venezuela, UK, and Colombia, and as an in-situ combustion consultant in Pacific Rubiales Energy. She has pursued postdoctoral studies in the Energy Resources Engineering Department at Stanford University. She investigated the feasibility of in-situ combustion for Mexican, Venezuelan, and European heavy oils and investigated the relative permeability changes in temperature for cyclic steam injection into diatom reservoirs from California. She holds a PhD degree in Petroleum and Natural Gas Engineering from Middle East Technical University, Ankara, Turkey on heavy oil extraction with electrical and electromagnetic heating. Her BSc and MSc degrees are both from Environmental Engineering and involved experimental work on destabilization of colloids for water and wastewater treatment. She has more than 70 technical papers published in high quality conferences and journals and she is the recipient of International SPE Innovative Teaching Award in 2015.
“Bachus Pump Course”

Instructor: Mr. Larry Bachus

Date: June 20-24th, 2016 (8:00 am to 5:00 pm)

Location: University of Phoenix, 4900 California, Ave, Bakersfield.

Announcement:
SJVSPE 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 Reza Ardali @ 661-412-5221 (office); 979-422-1251 (mobile) or e-mail mojtaba.ardali@crc.com if you have questions or need additional information.

We offer great discounts for early registration and group registrations from the same organization:

Early Bird registration, Deadline: 2/28/2016
$1,650 per person: Paypal link
https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=PNCLBNTQYFM6L

Group registration (2 or more), Deadline: 2/28/2016
$1,550 per person: Paypal link
https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=4JPYLKK32CYHY

Late registration, Deadline: 5/01/2016
$1,900 per person: Paypal link
https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=3RGTGFJLV88H4

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 (above). The course is limited to 50 students. The text book “Everything You Need to Know about Pumps” is included with the course. Lunch and beverages are included.

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

Course Outline:

1) Pump Principles
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 and Motor Alignment
10) Pump Bearings & Care
11) Pump Shaft Packing
12) Mechanical Seals
13) Failure Analysis of Mechanical Seals
14) Common Sense Failure Analysis
15) Avoiding Wear in Centrifugal Pumps
16) Proper Fluid Piping
Instructors 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”.

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**Future SJV-SPE class date announcement**

The “Introduction to API Storage Tank Standards” class, which we last offered in 2014, has been scheduled for October 25-27, 2016. More information will be published in the future.

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**12-YEAR CRUDE OIL PRICE CHART**

![Chart](chart.png)
To:  All Federal Oil and Gas Operators

Re: Seminar for Federal Oil and Gas Operators

BLM is planning its seventh daylong seminar for all Federal Operators on Wednesday, February 3, 2016, at Aera Energy’s Bakersfield Office located at 10000 Ming Ave. The purpose of the seminar is to provide an update for federal operators on their responsibilities on federal leases and information on permitting, leasing, assignments/transfers, bonding, field operations, commingling, environmental and idle well requirements and many other items of importance.

Cost of this all day seminar will be $50 per person, which includes all handouts, snacks, and lunch. The seminar begins at 7:45 a.m. and will be finished by 4:00 p.m., after which BLM staff will remain to discuss and answer questions one-on-one in a more informal setting. To confirm your reservation, please send your check with a list of those who will attend by January 8, 2016.

Make checks payable to USDI- BLM and mail to:

Attn:  Wanda Oats
Bureau of Land Management
3801 Pegasus Dr.
Bakersfield, CA 93308

Please include your name, phone number, and "BLM Operator Seminar" on your check. Also, please include email contact information for all those who are registering. This will enable us to provide more detailed last minute updates in a timely fashion.

If you wish to register after January 8, please call Ms. Wanda Oats at (661) 391-6132 to see if there is space remaining for late registration. For questions, please call Jeff Prude at (661) 391-6140 or John Hodge at (661) 391-6020.

This program will benefit everyone who operates on BLM land or is involved in any way in the permit process, including engineers, landmen, drilling personnel, production accountants, permit technicians, field technicians, contractors, and surface owners. BLM staff will be present to answer questions during breaks and afterwards. We strongly encourage all operators and contractors who work on BLM projects to attend. A draft agenda is attached – a final agenda will follow.

Seating may be limited, so register early. If there are others in your company who you think would benefit from this seminar, please pass this invitation on. We hope to see you there!
## Seminar for Federal Oil and Gas Operators

**Presented by the**
Bureau of Land Management at
**Aera Energy LLC Bakersfield**
10000 Ming Avenue
Bakersfield, California 93311

8:15 a.m. - 3:45 p.m., February 3, 2016

### Draft Agenda

<table>
<thead>
<tr>
<th>Registration</th>
<th>7:45-8:15 a.m.</th>
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<td>Welcome &amp; Housekeeping</td>
<td>8:30</td>
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<td>Overview</td>
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<td>Electronic Permitting</td>
<td>8:50</td>
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<td>Application Processing</td>
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<td>APDs</td>
<td>9:20</td>
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<td>Sundry</td>
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<td>Environmental Requirements (NEW)</td>
<td>9:35</td>
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<td>Break</td>
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<td>Commingle (NEW)</td>
<td>10:15</td>
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<td>Venting and Flaring (NEW)</td>
<td>10:25</td>
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<td>Idle/Orphan Well Program</td>
<td>10:35</td>
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<td>Inspection &amp; Enforcement</td>
<td>10:45</td>
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<td>Compliance (WOs &amp; INCs)</td>
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<td>Spill report</td>
<td>11:05</td>
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<td>Onshore Orders</td>
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<td>Operations</td>
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<td>PARs</td>
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<td>Safety &amp; H2S</td>
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<td>Site Security</td>
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<td>Environmental (NEW)</td>
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<td>LUNCH</td>
<td>12:00</td>
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<td>Leasing</td>
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<td>Assignments</td>
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<td>Transfers &amp; Bonds</td>
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<td>Bond Reviews (NEW)</td>
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<td>Geophysical</td>
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<td>Rights-of-Way</td>
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<td>Cultural &amp; Paleontological Resources (NEW)</td>
<td>1:55</td>
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<tr>
<td>Biological Resources</td>
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<tr>
<td>Break</td>
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<tr>
<td>Restoration (NEW)</td>
<td>2:40</td>
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<td>Best Management Practices (BMPs)</td>
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<td>Online Information</td>
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<td>HF Rules (New)</td>
<td>3:25</td>
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<td>MOU with CDOGGR</td>
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<tr>
<td>Conclude - (evaluations)</td>
<td>3:45 p.m.</td>
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#Agenda subject to change#
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<th>POSITION</th>
<th>NAME</th>
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<th>PHONE</th>
<th>E-MAIL</th>
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<tbody>
<tr>
<td>Section Chair</td>
<td>Pamela Willis</td>
<td>Aera Energy LLC</td>
<td>(661) 869-5790</td>
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</tr>
<tr>
<td>Program</td>
<td>Keith Kostelnik</td>
<td>California Resources Corp.</td>
<td>(661) 412-5427</td>
<td><a href="mailto:Keith.Kostelnik@crc.com">Keith.Kostelnik@crc.com</a></td>
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<td>Secretary</td>
<td>Rakesh Trehan</td>
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<td>Treasurer</td>
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<td>California Resources Corp.</td>
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<td><a href="mailto:Jeff.kim@crc.com">Jeff.kim@crc.com</a></td>
</tr>
<tr>
<td>Membership</td>
<td>Tom Hampton</td>
<td>Aera Energy LLC</td>
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<td><a href="mailto:TJHampton@aeraenergy.com">TJHampton@aeraenergy.com</a></td>
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<td>Surface Study Group</td>
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<td><a href="mailto:aescovedo@ebresources.com">aescovedo@ebresources.com</a></td>
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<tr>
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<td>Schlumberger</td>
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<td><a href="mailto:GAbeidi@slb.com">GAbeidi@slb.com</a></td>
</tr>
<tr>
<td>Newsletter Editor</td>
<td>Craig Pauley</td>
<td>Chevron</td>
<td>(661) 391-4360</td>
<td><a href="mailto:CraigPauley@chevron.com">CraigPauley@chevron.com</a></td>
</tr>
<tr>
<td>Website Administration</td>
<td>Patrick Niebuhr</td>
<td>Halliburton</td>
<td>(661) 391-1920</td>
<td><a href="mailto:Patrick.niebuhr@halliburton.com">Patrick.niebuhr@halliburton.com</a></td>
</tr>
<tr>
<td>Continuing Education Program</td>
<td>Mojtaba (Reza) Ardali</td>
<td>California Resources Corp.</td>
<td>(661) 412-5221</td>
<td><a href="mailto:Mojtaba.Ardali@crc.com">Mojtaba.Ardali@crc.com</a></td>
</tr>
<tr>
<td>Continuing Education Arrangements</td>
<td>Indar Singh</td>
<td>Aera Energy LLC</td>
<td>(661) 665-5243</td>
<td><a href="mailto:ISingh@aeraenergy.com">ISingh@aeraenergy.com</a></td>
</tr>
<tr>
<td>Activities</td>
<td>David Susko</td>
<td>Baker Hughes</td>
<td>(661) 336-3408</td>
<td><a href="mailto:David.Susko@bakerhughes.com">David.Susko@bakerhughes.com</a></td>
</tr>
<tr>
<td>Community Outreach Education</td>
<td>Jared Paddock</td>
<td>Chevron</td>
<td>661) 654-7945</td>
<td><a href="mailto:Jared.Paddock@gmail.com">Jared.Paddock@gmail.com</a></td>
</tr>
<tr>
<td>Young Professionals Liaison</td>
<td>Roman Omelchenko</td>
<td>California Resources Corp.</td>
<td>(979) 739-6466</td>
<td><a href="mailto:Roman.Omelchenko@crc.com">Roman.Omelchenko@crc.com</a></td>
</tr>
<tr>
<td>Award Nominations</td>
<td>Blythe Johnson</td>
<td>Chevron</td>
<td>(661) 281-5713</td>
<td><a href="mailto:BlytheJohnson@chevron.com">BlytheJohnson@chevron.com</a></td>
</tr>
<tr>
<td>Western NA Regional Director</td>
<td>Andrei Popa</td>
<td>Chevron</td>
<td>(661) 654-7187</td>
<td><a href="mailto:AndreiPopa@chevron.com">AndreiPopa@chevron.com</a></td>
</tr>
<tr>
<td>Student Chapter Faculty Advisor</td>
<td>Dayanand Saini</td>
<td>CSUB</td>
<td>(661) 654-2845</td>
<td><a href="mailto:dsaini@csub.edu">dsaini@csub.edu</a></td>
</tr>
<tr>
<td>Student Chapter President</td>
<td>Luckhbir Kooner</td>
<td>CSUB</td>
<td>(661) 808-7640</td>
<td><a href="mailto:csuk.spe@outlook.com">csuk.spe@outlook.com</a></td>
</tr>
</tbody>
</table>
SPE membership has been holding steady through 2015. As of 11/9/2015, we have 754 professionals, plus 89 students, for total of 843 members. It is a challenging environment right now with the drop in oil prices. SPE membership can be of help to you in networking and enhancing marketable skills through training. For those of us with experience through these cycles – let’s be helpful to those around us in going through tough times, especially to those new in the industry going through this down-cycle for the first time. Please take advantage of what SPE offers, be of service, and encourage others to do the same!
Joining Society of Petroleum Engineers, SPE


SJV SPE Members

Member Benefits

- Conference and Workshop Discounts – for technical knowledge and interaction
- Technical Papers and Libraries – access to OnePetro, largest online technical library
- Career Advancement – Leadership and volunteer opportunities, Career Center for tools
- Purchases – discounts on insurance, car rental, Lands’ End Business Outfitters
- Use Membership Icon in emails

Membership includes one SPE Local Section: San Joaquin Valley (SJV) Section of SPE, sjv.spe.org

As a SJV SPE member, you will receive monthly newsletters and emails announcing upcoming events such as:

- General Section SPE Meeting,
- Sub-Surface and Surface Study Groups,
- Continuing Education,
- Annual Golf Tournament which raises money for scholarships,
- Networking Bashes,
- Distinguished Lecturers,
- Community Outreach Programs with Annual Engineering Day (reaching 500+ High School students) and Scholarships.

SJV is a strong section with 800+ members, with a great Board that volunteer their time to make SJV SPE a wonderful section. Please contact one of the board members to volunteer in your area of interest! Also note, speakers are wanted to share their knowledge.

How to Join?

Join online: www.spe.org/join

YouTube Video: https://www.youtube.com/How to Join SPE (Professional Membership)

Professional Membership Qualifications:

Employed in work related to petroleum industry AND have one of the following:

- University degree equivalent to 4-year Bachelors degree in engineering or basic or applied sciences
- 2-year science or engineering degree or a 4-year degree in a field other than science or engineering
- 6 years of active practice in support of petroleum engineering or in the application of science to the petroleum industry

Dues for United States are $90/year membership + $20 Entrance Fee
Student? Look at https://www.youtube.com/Student Membership
Advertising Order Form for the monthly newsletter of the
San Joaquin Valley Section of Society of Petroleum Engineers

SJV Section of SPE, PO BOX 21135, Bakersfield, CA 93390
sjv.spe.org
Taxpayer ID# 75-2001539

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Monthly Advertising Rates: (circle one)

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Ad Size
One Month Cost
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If possible, please provide payment at time of placing advertisement.

Please make checks payable to "San Joaquin Valley Section of SPE"

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Business Card
Diskette

Please send camera ready art work or business card for ad and this form to:

Craig Pauley, SPE Board Member
Chevron
Craigpauley@chevron.com

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MONTHLY NEWSLETTER DISTRIBUTED TO THE SAN JOAQUIN VALLEY SECTION
MEMBERS FREE OF CHARGE. A PDF OF THE NEWSLETTER IS POSTED TO THE WEBSITE.
Rates start at only $25/month.
E-mail the SJV SPE Newsletter Editors for more info at CraigPauley@Chevron.com