There Will Be No General Section Meeting For December

Merry Christmas & Happy New Year
MERRY CHRISTMAS. I am going to be brief this month in just wishing all of you the Happiest of Holidays.

and the Safest New Year. Please spend as much time as possible with your family and friends and be thankful for all we are blessed with.

Until Next Month,

Larry Miller – 2011-12 SJV SPE Chairman
Dear WNAR Colleagues,

Several of you have urged me to communicate with you in your Newsletters and Web sites. Let me start by saying that it has been a great honor and privilege for me to serve as your Western North America Region Director for the past two years and humbly appreciate your trust in me. For this month, I would like to share with you the following letter I sent to those responsible for the outstanding 2011 WRM. Remember, I am here for you and am always more than happy to receive your questions, comments and requests regarding SPEI/WNAR.

Alaska Section BOD, 2011 WRM General and Program Chairs and other volunteers,

On behalf of WNAR, congratulations on a job well done as the host for 2011 WRM. It is heartening to see that it is possible to have an outstanding technical meeting, innovative student paper contest, excellent exhibits, etc., etc. and still make good money to be used by our sections mostly as scholarship for our up-and-coming students. This sentiment was reflected in the results of our recent Ad Hoc Task force study regarding the optimum future frequencies of WRM’s.

The large profit also shows that the SPEI Board’s decision to charge the regional technical meetings for SPE services does not necessarily keep them from making good profits while it helps SPE in getting more members by enabling it to keep the membership dues low.

Now that most of WNAR sections have made a considerable amount of profit from this meeting, it behooves them to consider making a contribution to the SPE Foundation, which, among other benevolent activities for SPE members and sections, provides many sizeable scholarships for our students and annually pays for the expenses of three distinguished lecturers for each section.

So, Alaska Section we are very proud of you and the other sections in WNAR that helped you make this memorable achievement possible. Keep up the good work.

Kind regards,
Sam Sarem, SPEI Director
Western North America Region
Sam4iprc@aol.com
Message from the Chairpersons

Theme: Something new, something old, something borrowed and something blue: Tight shales, 100 year operations, smart fields, and the Pacific Ocean.

This year, the Western Regional Meeting will maintain its traditional base of thermal and nonthermal regional operations but will be expanded to include a strong focus on smart fields and artificial intelligence. We see the benefits of integrating these high-end technologies with dense well operations existing in our Western Region. Given the increased interest in tight shale operations, sessions on shale and diatomite development will be included. Juxtaposing California’s history of developing tight diatomites alongside of developing tight shales will create mutual learnings between the two high interest topics.

Conference sessions will be formulated based upon the papers and abstracts accepted by the technical program committee.

Sincerely,

The 2012 Western Regional Meeting Chairpersons

Register for the SPE Western Regional Meeting and Training Courses today!

The following page contains a registration form or you can register online or download the form

From the SPE website,

http://www.spe.org/events/wrm/2012/pages/general/registration.php
# Advance Registration Form

Print your name as you want it to appear on your meeting badge.

## PHOTO ID REQUIRED: To ensure a secure conference, photo ID (passport or driver’s license) will be required to pick up your conference materials.

### PARTICIPANT PROFILE

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### JOB CLASSIFICATION

Select one or both that best represent your responsibilities.

- [ ] Consultant
- [ ] Educator
- [ ] Engineer
- [ ] Executive
- [ ] Geological/Geophysical
- [ ] Manager
- [ ] Researcher
- [ ] Sales
- [ ] Superintendent/Supervisor
- [ ] Technician
- [ ] Other

### Technical Discipline

Select your primary technical discipline:

- [ ] Drilling & Completion
- [ ] Facilities, Facilities, and Construction
- [ ] Health, Safety & Environment
- [ ] Management & Operations
- [ ] Production & Operations
- [ ] Reservoir Description & Dynamics

### ADDRESS/PO Box

[ ] Check here if you DO NOT want to receive updates via mail. [ ] Check here if you prefer NOT to receive information via email from exhibitors.

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### Email

[ ] Check here if you need special assistance to fully participate.

[ ] Check here if you have special dietary needs and list requirements.

## QTY

### QTY

By 5 March | After 5 March | Cost | REGISTRATION
---|---|---|---
USD 300 | USD 300 | Member* | *Full-Registration includes Technical Sessions, Coffee Breaks, Keynote Luncheon and Awards Luncheon, Exhibition and one copy of the Proceedings.
USD 400 | USD 400 | Nonmember* | 1 Day Registration, includes those items for the specified day. Does NOT include Proceedings, Keynote Luncheon or Awards Luncheon
USD 50 | USD 50 | Student (with valid college ID only) | 1 Day Registration, includes those items for the specified day. Does NOT include Proceedings, Keynote Luncheon or Awards Luncheon
USD 50 | USD 50 | Spouse (does NOT include Proceedings, Keynote Luncheon or Awards Luncheon) | 1 Day Registration, includes those items for the specified day. Does NOT include Proceedings, Keynote Luncheon or Awards Luncheon

### ADDITIONAL TICKETED ITEMS

By 5 March | After 5 March | Cost
---|---|---
USD 100 | USD 100 | 2 DAY TRAINING COURSE (19-20 March) | ***Not included in Conference Registration Fee
USD 100 | USD 100 | 2 DAY TRAINING COURSE (19-20 March) | ***Not included in Conference Registration Fee
USD 125 | USD 125 | Member/Nonmember - Training Course - Hydraulic Fracturing/Proppant Analysis | 1 Day Registration, includes those items for the specified day. Does NOT include Proceedings, Keynote Luncheon or Awards Luncheon
USD 150 | USD 150 | Member/Nonmember - Training Course - Hydraulic Fracturing/Proppant Analysis | 1 Day Registration, includes those items for the specified day. Does NOT include Proceedings, Keynote Luncheon or Awards Luncheon
USD 175 | USD 175 | Member/Nonmember - Training Course - Modern Production Data Analysis for Unconventional Reservoirs | 1 Day Registration, includes those items for the specified day. Does NOT include Proceedings, Keynote Luncheon or Awards Luncheon
USD 200 | USD 200 | Member/Nonmember - Training Course - Intelligent Well Technology | 1 Day Registration, includes those items for the specified day. Does NOT include Proceedings, Keynote Luncheon or Awards Luncheon
USD 250 | USD 250 | Member/Nonmember - Training Course - Intelligent Well Technology | 1 Day Registration, includes those items for the specified day. Does NOT include Proceedings, Keynote Luncheon or Awards Luncheon
USD 300 | USD 300 | Member/Nonmember - Training Course - Intelligent Well Technology | 1 Day Registration, includes those items for the specified day. Does NOT include Proceedings, Keynote Luncheon or Awards Luncheon

## TOTAL USD

### Contact Information

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</tr>
<tr>
<td>FAX</td>
<td>String</td>
<td>+1.972.852.9292</td>
</tr>
<tr>
<td>MAIL</td>
<td>Address</td>
<td>P.O. Box 222, Palisades Creek Drive, Richardson, TX 75080</td>
</tr>
<tr>
<td>TEL</td>
<td>Number</td>
<td>+1.972.852.9292</td>
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### Wire Transfer:

If you wish to make payment by wire transfer, email registration@spe.org and reference the 2012 SPE Western Regional Meeting. Please have your bank include your name and credit card 2012/wrm Reg. Deadline: 5 March 2012

### PAYMENT OPTIONS

All Prices Listed in US Dollars.

Advance registration requires payment. Forms received without payment will not be processed.

[ ] Payment Endorsed (Make checks payable to: SPE)
[ ] American Express
[ ] MasterCard
[ ] Diners Club
[ ] Visa (Discover not accepted)
[ ] Add Name to Card

### Cancellation Policy

Cancellations must be received in writing prior to 5 March 2012 for you to receive a full refund. No refunds offered after 5 March.
SPE Western Regional Meeting Training Courses

2-Day Courses, Monday–Tuesday, 19–20 March

Hydraulic Fracturing/Pressure Analysis
Instructor: Mike Smith
The basics of analyzing fracture pressure are the focus of this 2-day course, which includes design parameters that can be determined, and the uses and limitations of such analysis for on-site design. Sessions include real-world examples from a variety of wells, from tight gas and shale to high permeability, offshore, and frac-pack treatments. More details »

Oil and Gas Economics and Uncertainty
Instructor: Rodney Schulz
Participants will identify, evaluate, and quantify risk and uncertainty in every day oil and gas economic situations in this 2-day course. It reviews the development of pragmatic tools, methods, and understandings for professionals that are applicable to companies of all sizes. More details »

Modern Production Data Analysis for Unconventional Reservoirs
Instructor: David Anderson
Learn how to critically assess data quality and perform qualitative diagnostics on well production data in this 2-day course. Participants will receive a comprehensive methodology for well performance analysis with specific focus on unconventional oil and gas and are encouraged to bring their own data, as time will be allotted to go through examples during class. Laptops are required. More details »

Questions:
Please call Terry L. Kloth @ 661- 321-4469 (office); 661- 858 -9631 (mobile) or e-mail TLKB@pge.com if you have questions or need additional information.

Payment & Registration:
Payment can be made at the SPE Western Regional Meeting Registration Page. The price of 2 day courses for SPE members and non - members is $1,400 per person before March 5th. A morning and afternoon snack and cold and hot drinks are included. Please note lunch is not included in this price.

RSVP & Registration Link:  http://www.spe.org/events/wrm/2012/pages/general/registration.php
SPE Western Regional Meeting Training Courses

1-Day Courses, Tuesday, 20 March

**Horizontal Well Completions**

Instructors: Sudiptya Banerjee and Aaron Burton

Navigating the challenges and options that exist in horizontal drilling is the focus of this 1-day course that also discusses strategy development for completing horizontal wells. Topics include cased-hole and open-hole configurations, either with or without sand control, and participants will learn the applications and dynamics of horizontal wells, including drill-in fluids, hole displacement, cementing, perforating, and stimulation. [More details »](#)

**Artificial Lift**

Instructor: Rajan Chokshi

Develop a solid foundation in all forms of lift with this 1-day course which also highlights the concepts of the selection process to maximize production and return on investment. Learn the advantages and disadvantages of each system, application considerations, and sample performance predictions. [More details »](#)

**Streamline Simulation: Theory and Practice**

Instructor: Akhil Datta-Gupta

This 1-day course features introductory and advanced concepts in streamline simulation and its applications. Featuring a review of theory of streamlines and streamtubes in multi-dimensions, this course also weighs the strengths and limitations of streamline modeling compared with finite difference simulation. Laptops are required. [More details »](#)

**Questions:**
Please call Terry L. Kloth @ 661- 321-4469 (office); 661- 858 -9631 (mobile) or e-mail TLKB@pge.com if you have questions or need additional information.

**Payment & Registration:**
Payment can be made at the SPE Western Regional Meeting Registration Page. The price of 1 day courses for SPE members and non - members is $750 per person before March 5th. A morning and afternoon snack and cold and hot drinks are included. Please note lunch is not included in this price.

**RSVP & Registration Link:** [http://www.spe.org/events/wrm/2012/pages/general/registration.php](http://www.spe.org/events/wrm/2012/pages/general/registration.php)
November 18, 2011

Dear Potential Exhibitor,

The Western Region – Society of Petroleum Engineers is holding a convention in Bakersfield, California, from March 19 – 23, 2012. This convention will provide petroleum professionals, students, and West Coast educators with opportunities to attend oral presentations, exhibits, posters, continuing education short courses, field trips, and symposia. Many presentations and posters will focus on topics specific to California's petroleum industry, as well as topics common to all western states. This year we are expecting 400-500 registrants and exhibitors.

I am pleased to announce the availability of exhibitor booth spaces for the 2012 convention, at the Marriott Hotel and Rabobank Convention Center. The meeting will bring together engineers from across the western states and beyond this meeting will provide an exciting opportunity for the exchange of ideas on a broad range of engineering topics. A robust technical program, blended with the wonderful networking, marketing, and socializing opportunities provided by the exhibition will make this a memorable conference. An Icebreaker reception is scheduled in the Exhibition area from 6-8 PM on Tuesday, March 20th as well as socials each afternoon.

What Exhibiting Does For You

Your decision to exhibit at the 2012 Western Region SPE Meeting will expose your company's products and services to a concentrated group of industry managers and decision-makers. This is a great opportunity to introduce new products and services, acquire valuable new sales leads, interact directly with customers, and establish or solidify relationships with key buyers.

Your Exhibit Investment Includes

- Standard booth equipment: 8'x10' fabric display booths, consisting of 10' by 8' high back wall and two 3' high side dividers.
- 6' Skirted Table (one per exhibit space). Tables will have a vinyl top and fabric skirt.
- 500 Watt Electrical Service, including one duplex outlet per exhibit space
- Company recognition in the Conference Program
- Negotiated rates for housing at the Bakersfield Marriott Hotel
- Unique advertising and promotional opportunities
- Two complimentary exhibitor passes per exhibitor booth (full registration must be purchased for entry to technical sessions)
- Additional Services are available through the Contract Decorating Firm, and are billed directly to the exhibitor.
- All services are described in the exhibitor kits and are mailed directly to exhibitors contracting for space.
How to Exhibit

Space Rates:
- U.S. $1500 per 8’x10’ exhibitor space. Price prorated for multiple space contract.

Once your company has decided to participate:
- Review the Terms and Conditions and Exhibit Regulations
- Select your preferred booth
- Complete and sign the Application for Exhibit Space
- Submit your Application with payment for the total cost of exhibit space

Deadline for application submission is February 1, 2012 to be included in announcement
- No application will be processed or space assigned without the required deposit
- All space assignments are based on a first-come first-served basis
- 100% of total cost of booth is required with application

Please review the attached Exhibit Space Reservation Application and Rules and Regulations and Exhibit Floor Plan, and direct any questions to Tim Frame at:

Baker Hughes 4900 California Ave Suit 400B, Bakersfield, California 93309 Telephone: (661)328-6102; Fax: (661) 328-6150; email: timothy.frame@bakerhughes.com or Scott Myers at (661) 328-6111; email scott.myers2@bakerhughes.com

Sponsorship Opportunities
The value of your exhibition participation can be further enhanced by sponsoring a Icebreaker reception or other conference event. You do not have to sign up for booth space to be a sponsor. To find out more about sponsorship opportunities, please contact Scott Myers (scott.myers2@bakerhughes.com).

I very much look forward to your participation in this rewarding program.

Sincerely,

Tim Frame and Scott Myers
Exhibits Committee Chairs

Attachments: Click on http://connect.spe.org/sjv and go to the ANNOUNCEMENTS box to access these attachments,

1) Exhibit Space Reservation Application
2) Exhibit Floor Plans
Nominate a colleague for an SPE Award

Recognition of excellence is an important aspect of any professional society. SPE knows that its members make many outstanding and significant technical, professional, and service contributions to the oil and gas industry, to society, and to their local communities. If you have any questions please contact scott.myers2@bakerhughes.com

Nominations for 2012 awards are now being accepted.
Do you know someone who deserves recognition for his or her contributions?

Awards are presented at both the international and regional level for...

Technical contributions
Professional excellence
Career achievements
Service to colleagues and community
Distinguished faculty achievement
Outstanding service by a Young Professional
Industry leadership
Corporate support

Nominate a colleague today!
You can find nominating criteria, nomination forms, and information about all of SPE's International and Regional Awards at

www.spe.org/awards.

SPE recognizes the exceptional achievements of International award recipients each year at SPE's Annual Technical Conference and Exhibition (ATCE). Regional awards are presented throughout the year at regional events.

New in 2012

SPE is introducing two new international awards.

Charles F. Rand Memorial Gold Medal

Robert Earll McConnell Award

Both awards are sponsored by the American Institute of Mining, Metallurgical, and Petroleum Engineers (AIME). Click here to learn more about each award.
Membership update as of November 30th

SJV Welcomes Our New Members (8):

Mr Jared Atkinson  Geophysicist  OXY USA Inc.
Mr Jonathan Bender  Regional Manager  UNICO Inc
Mr David C Chapin  Aera Energy LLC
Ms Telann Erickson  OXY Petroleum Corp.
Mr Charles E McWhorter  Processes Unlimited Intl.
Fred Nilson  Drill Cool Systems Inc.
Mr Michael Walton  Baker Hughes Inc
Michael S Werlinich  Senior Project Engineer  Cannon Corp

SJV Section Welcomes Members Transferring In – Welcome to SJV (5):

Mr Alexander F Rustandjaja  Vintage Production LLC  Transfer From: Calgary
Mr. Yamin Li  Transfer From: Gulf Coast Section
Mr Nitin K Srivastava  Transfer From: Los Angeles Basin
Mr Michael F Portuesi  PXP Management  Transfer From: Santa Maria
Mr Chad Hammond  California Polytechnic State U  Transfer From: Southwest
Texas

Best of Luck to Those Transferring Out and Moving on (8):

Mr Ryan Beierle  Origin Energy  Transfer To: Calgary
Mr Sean Terchek Williams  BP North America  Transfer To: Denver
Mr John I Mbibi  Aera Energy LLC  Transfer To: Gulf Coast Section
Mr. Robert Palermo  Transfer To: Gulf Coast Section
Mr Robert M Slocum  Anadarko Petroleum Corp  Transfer To: Gulf Coast Section
Mr Steve O Williams  Devon Energy Corporation  Transfer To: Oklahoma City
Mr Todd Savoie  Schlumberger  Transfer To: Western Wyoming
Rock Springs

Membership News:
Please encourage folks to update their profile by going to www.spe.org.
Please encourage folks to pay past dues and upcoming dues for 2012.
SPE Surface Study Group Lunch

Coalinga Solar-to-Steam Demonstration for EOR

Date: January 11th, 2012
Venue: Petroleum Club (12th Floor) at 5060 California Ave. in Bakersfield
Speaker: Sergio Hoyos, Business Development Manager, Chevron Technology Ventures

RSVP via e-mail to attila.aksehirli@chevron.com
Or reserve via PayPal:

Members ($20)
https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=WCP52LNVEV3RJ

Non-Members ($25)
https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=FV43W7JKHYJSJC

Abstract

The concept of harvesting the sun’s energy to produce power or process heat for industrial applications is not new. However, a number of converging factors such as uncertain energy futures, increasing demand for clean energy, need for CO\textsubscript{2} mitigation, stringent environmental and regulatory concerns, coupled with advances in solar technologies, manufacturing capacity, and economies of scale have all contributed to stimulating various renewable solar energy technologies. The Coalinga Solar-to-Steam demo project aims to demonstrate the technical and economic feasibility of collecting the sun’s energy efficiently to make EOR quality steam to boost oil production and enhance the operational flexibility of SJVBU and other CVX core businesses.

The demo project will deploy thousands of mirrors to reflect and concentrate the sun’s radiation on to a boiler that sits atop a tower while simultaneously tracking the sun in two dimensions. The Coalinga design will make high temperature saturated steam in the boiler pipes which is directed to a unique steam/steam heat exchanger where produced water is converted to EOR quality steam and sent to oil wells. The size of the demonstration plant is 100 acres and will deliver 34 MW thermal power or about 240 million pounds of steam per year.

In September 2011, Chevron Technology Ventures delivered first steam to the Coalinga field.

Biography

Sergio Hoyos is a Business Development Manager, Emerging Energy, for Chevron Technology Ventures. In this capacity, he is responsible for identifying and assessing new business opportunities in the Emerging Energy space. Specific areas of responsibility currently include solar thermal technologies. Sergio has worked in the oil and power industry for over 20 years, spending the last 15 years in the development and management of large capital projects.

Prior to joining the Emerging Energy group, Mr. Hoyos was a Director Business of Development for Cinergy where he was responsible for developing cogeneration and combined heat and power projects for industrials in North America.

His background includes in-depth experience in all phases of the business development process including identification and prioritization of projects, establishment of appropriate financing mechanisms, management of projects, and oversight of engineering, procurement, and construction. Sergio has had extensive involvement in conceptual design, selection and engineering studies of power projects. He has been instrumental in acquiring in excess of 1000 MW of generation, and has led development efforts for several simple cycle and combined cycle facilities ranging in size from 88 MW to 500 MW.

Sergio has a degree in Mechanical Engineering from Louisiana State University.

Experience

Cinergy
Director, Business Development
2000 – 2006

Responsible for developing cogeneration and/or combined heat power plants in North America

BP Global Power – Rio de Janeiro, Brazil
Director, Business Development
1998-1999

Responsible for the development of Independent Power Projects (IPP), Greenfield and cogeneration projects in the Southern Cone.

Amoco Power Resources Corporation (APRC)
Vice President, Business Development
1996 - 1998

Led APRC to establish a presence in Brazil. Responsible for the power strategy for Brazil combined with Amoco’s natural gas strategy in the region.

CSW Energy
Project Development
1991-1996

Project Developer in CSW Energy’s $40 Million dollar investment in the holding company of the Grupo Denerge.
Progressive Cavity Pumps in Thermal Recovery: 
Mid-thermal & Thermal Progressing Cavity Pump Technology

Date: Wednesday, 12/14/11, 11:30am
Venue: Petroleum Club (10th Floor) at 5060 California Ave. in Bakersfield
Speaker: Darren Oberg, Country Manager, Kudu Pump Inc

RSVP via e-mail to bmmiron@aeraenergy.com
Or reserve via PayPal:
Members ($20)
https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=WAH5BJGAGMSHN

Non-Members ($25)
https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=F54TPH547XD5N

Abstract

Sand Laden heavy oil gave the Progressing Cavity Pump (PCP) an application to become accepted as a proven form of Artificial Lift. With the progression of elastomer technology and geometry, the PCP has now been applied to an array of well conditions that involve high aromatics, CO₂, H₂S, high water cuts, etc. As Oil Producers continue to find ways of maximizing existing oil production, and exploiting previously un-producible reservoirs, PCP’s have had to progress accordingly.

Thermal producing wells are becoming a growing trend for extracting heavy oil or maximizing oil recovery from new or existing wells. The operating conditions can be extreme and having proven choices in an artificial lift system make it beneficial for Oil Producers to correctly choose artificial lift methods.

Advanced PCP elastomer technology and design has allowed the PCP to be apart of these thermal conditions making it a cost effective and viable option.

This presentation will give you a brief overview of this technology and application ranges.

Biography

Darren Oberg, Country Manager USA – Over 13 years of experience in the Oil & Gas Industry directly related to Progressing Cavity Pumps, most recently as the Country Manager – USA for Kudu Industries. Other positions held include Northern and Southern Alberta Sales Manager, International Technical Advisor working in countries such as Russia, India, Kazakhstan and Azerbaijan.
SPE SJV Continuing Education

The SJV Section of SPE is pleased to offer the following courses for your consideration:

“ASME B31.3 Process Piping”

Instructor: Mr. Glynn Woods

Date: January 16 - January 19, 2012 (8:00 am to 5:00 pm)

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

Announcement:

SJVSPE is proudly sponsoring the ASME Course - B31.3 Process Piping. This is an intensive four day course which explains the intent of the B31.3 piping code. Students should bring their laptops with an e-copy of the B31.3 Process Piping code or a hard copy of the B31.3 process piping code.

Questions:

Please call Terry L. Kloth @ 661- 321-4469 (office); 661- 858 -9631 (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 35 students. The price of this course for SPE members and non - members is $1580 per person. A morning and afternoon snack and cold and hot drinks are included. Please note lunch is not included in this price.

PayPal Link: https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=WWVF2E4A7QV32

RSVP: Please RSVP to ggchamber@chevron.com

Target Audience:

Facility Engineers, Facility Engineering Supervisors, Construction Engineers and supervision, Engineering Piping engineers and designers project engineers and project managers should attend who need a greater understanding of the Code design and analysis requirements to produce a safe-economical piping system.
“STILL NEED STUDENTS”

Electrical Engineering Practices for Facilities Engineers (E-4 for Petrol Skills)

This is a possible course offering to occur in the 3rd quarter of next year. It is a five day class designed for facilities engineers, project engineers, managers, and production engineers who also have facilities responsibilities in the oil and gas industry. The cost for this course is expected to be between $2600 - $3600 depending on the number of students who sign up. Thanks!

If interested, please contact Terry L. Kloth @ 661-321-4469 or by e-mail at tlkb@pge.com.

DESIGNED FOR

Facilities and Project Engineers with two or more years of experience; Electrical, Instrumentation or Controls Engineers with two or more years of experience, or those who have completed the E-3 course and need to further develop their understanding of electrical systems within oil and gas facilities.

YOU WILL LEARN

• Key principles in project management for electrical projects including basics, front end loading, scope definition, brown-field vs. green-field, engineering deliverables, roles and responsibilities, project planning, risk analysis and management, cost estimating, and procurement, construction, contractor and supplier management
• Standards and recommended practices through an introduction to ANSI, API, CSA, CFR, IEC, IEEE, IES, ISA, NEMA, NFPA, AND UL
• Electrical distribution systems including background, planning, voltage selection, and system protection
• How to select, maintain and control DC and AC motors
• The characteristics, properties, insulation, shielding, jacketing, short circuit capabilities, and references of wires and cables
• Transformers which include operation, models, types, components, turns and voltage ratios, connections, losses, efficiency, ratings, application, selection, and safety
• Medium and low voltage switchgear and motor control centers including specifications, maintenance, and distribution
• Topics in faults and circuit protection including sensing devices, fuses, direct tripping devices, protective relaying, relaying schemes, major equipment protection, and system relay coordination
• Distribution, construction, fuses, circuit breakers, disconnects, grounding, types, and ratings of switchboards and panels
“ASME B31.3 Process Piping”
(continued)

Description:

The lack of commentary, or historical explanation, regarding the 831.3 Code design requirements for process piping design and construction is an obstacle to the designer, manufacturer, fabricator, supplier, erector, examiner, inspector, and owner, to provide a safe and economical piping system. This intensive four-day course, through the use of hundreds of slides shown of actual piping installations, and personal experience of the instructors, demonstrates how designers have correctly and incorrectly applied the B31.3 Code. This seminar explains the intent of the Code with respect to design and why the Code is not a design handbook. Attendees come away from this seminar with a clearer understanding of how piping systems fail and the requirements (and guidance) of the code to prevent such failures. Attendees will gain experience with the concerns and questions that must be addressed to produce a safe piping system, and will learn where and how to get these answers.

The focus of the seminar is to enhance the attendees' understanding and application of the B31.3 Code design requirements. Instruction is further enhanced by in-class piping problem solving, directly applying the rules and equations of the 831.3 Code for specified design and operating conditions to illustrate correct Code applications.

Outline:

- Piping code history, basic design philosophy, considerations, and criteria.
- Pressure design: wall thickness for internal and external pressure, fabricated branch intersection area replacement, unlisted piping component design, flange leakage moment, relief valve set pressure and thrust, and leak testing.
- External loads design – flexibility, fatigue, stress intensification factors, combined loads (sustained wind, earthquake), cold spring.
- Pipe support design-support types, assumptions, load combinations, variable supports, lugs and attachments.
- Systems piping-pressure relief and limitations.
- Materials, fabrication, examination, inspection and testing.
- Fatigue design: Flexibility, thermal expansion/contraction stress, allowable thermal stress, stress intensification factors, sustained load calculations, occasional load stress caused by wind and earthquake, pipe end reactions, and means of increasing piping flexibility.
- Pipe supports: Support design and analysis for weight and thermal loads, spring hanger sizing, support design for operating loads.

Special Requirements:

Attendees should bring the latest edition of the ASME 831.3 Process Piping Code book and a calculator. A lecture notebook will be provided.
Electrical Engineering Practices for Facilities Engineers
(E-4 for Petrol Skills) - continued

- The systems and requirements of uninterruptible power supply (UPS) and emergency power in addition to an overview of generator set, ATSSs, and batteries
- Fault protection, system grounding philosophy, ungrounded systems, grounded systems, bonding, ignition sources, bonding techniques, separately derived systems, performance, and substation grounding
- About North American and International classifications of hazardous areas in addition to NEC and IEC comparisons, extension of zones, equipment certification, and equipment protection methods

ABOUT THE COURSE
This course applies Electrical Engineering principles to oil and gas facilities design and operation and requires some prior experience. Electrical Engineering principles are reinforced through the use of individual and team problem solving exercises, one-line diagram coordination, interpretation, and class discussions of interfaces between facilities engineers, contractors and maintenance personnel. Participants gain additional understanding of electrical equipment requirements for facilities and what is important to the Electrical discipline.

COURSE CONTENT
- Electrical project management
- Standards and recommended practices
- Distribution systems
- Motors
- Wire and cable
- Transformers
- Switchgear
- Motor control centers
- Switchboards and panels
- Electrical faults (short circuits) and circuit protection
- UPS and emergency power
- Electrical system ground and bonding
- Hazardous area classification
Shale Gas Development

Instructor: Mr. Steve Hennings

Date: February 13 (8:00 am to 5:00 pm)

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

Announcement:

SJVSPE is proudly offering Shale Gas Development. This 1-day course covers the basic geological aspects and key properties of shale gas. The class will lay the foundation for your broader understanding of shale gas developments. It’s also a great opportunity to network with others from the shale gas industry. 0.8 CEUs (Continuing Education Units) awarded for this 1-day course.

Questions:

Please call Terry L. Kloth @ 661-321-4469 (office); 661-858-9631 (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 price of this course is $750. A morning and afternoon snack and cold and hot drinks are included. Please note lunch is not included in this price. 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.

RSVP & SPE Payment Link: http://www.spe.org/training/courses/SGD.php

Target Audience:

This course is for engineers, geologists, managers, regulators, planners and anyone else involved in evaluating or developing shale gas plays. Participants are assumed to have a basic understanding of general engineering and geologic terms.
Description:

This 1-day course covers the basic geological aspects and key properties of shale gas. It also reviews the status and characteristics of various shale gas plays, and the factors that control gas-in-place and productivity. Participants will learn how to collect, analyze and interpret critical data, to calculate reserve volumes and forecast production. They will also gain practical insight and learn techniques for quality control and due diligence. Other topics include:

- The analysis of gas resources
- How to optimize hydraulic fracture treatments
- Forecasting production
- Global shale gas developments

Instructor:

Steve Hennings is the unconventional gas manager for Source Rock Engineering in Littleton, Colorado. He has over 30 years of field and reservoir experience in a large number of basins, covering every phase of development. His focus for the past decade has been on coal gas, coal mine methane and shale gas development. He has been involved in technical evaluations of development and exploration prospects in eight different countries including China, Australia, Canada, India, and the United States.

In 2008, Hennings was awarded the prestigious annual Stefanko Award from the Society of Mining Engineers for his technical contributions. Hennings is a registered professional engineer. He holds a BS in petroleum engineering and an MS in finance.
San Joaquin Valley SPE & 
SPE Young Professionals

TOYS for TOTS

Networking Bash

Bring a new unwrapped toy or donation for entrance to the event and receive your raffle ticket to win!

Date: Thursday, December 8th, 2011
Time: 5:30 - 7:30 pm
Location: Lengthwise Brewery - 6720 Schirra CT

Appetizers and Prizes Sponsored by WZI

Non-member guests are always welcome to attend.

For those who would still like to donate but can not attend or have questions, please contact Keith Kostelnik at keith_kostelnik@oxy.com or 918-557-2290 for a drop box near you.

RSVP to Tara Butler @ tbutler@enovaes.com or 661-319-4022 prior to 2:00 pm on December 8th
The SPE SJV Section would like to thank all of the participating companies for sponsoring our Monthly Networking Bashes!

Merry Christmas

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 661-319-4022.
Land Management Department

Position Title: Land Analyst
Employment Classification: Non-Exempt Office
Reports to: Vice President of Land

Fundamental Objectives: Under the general direction of the Vice President of Land, the Land Analyst is responsible for the set up and maintenance of various Oil and Gas contracts and related ownership interests and obligations. Develop and maintain working relationships with leasehold interest owners, partners and local government agencies.

Supervisory Responsibilities: None

Essential Functions of the Job:
- Process new leases/amendments to leases (California, Louisiana, Kansas and Texas).
- Request payment for first year’s rental
- Record leases in the county where the lands are located once the lease has been signed and notarized
- Set up leases in BOLO Land System.
- Furnish WI and Mineral ownership cost centers as requested by Accounting.
- Set up Master and Ownership Decks for wells and properties, including royalty owners.
- Process Division Orders and modify when changes in ownership have occurred.
- Calculate and send out Division of Interest/Division Orders on new wells.
- Draft and respond to land correspondence in various States.
- Coordinate with Title and Broker Services and Title Attorneys on new or amended leases, setting them up in BOLO.
- Code invoices for payment for services rendered from service companies.
- Brief agreements as requested.
- Coordinate land matters with VP of Land and other Landmen.
- Furnish monthly production information to Lessor.
- Set up new properties and agreements acquired through Assignments and Purchase and Sales Agreements in BOLO.
- Furnish CFO with Agreement information as requested.
- Coordinate with Bank on changes in our land holdings.
- Perform related duties and responsibilities as required by Vice President of Land.

Minimum Qualifications:
- Education: High school diploma or equivalent. Graduation from an accredited college with an AA or BA degree in Business Administration preferred.
- Experience: Three (3) years of experience in Oil and Gas Land Analysis/Division Order.
- Skills/Knowledge/Ability of:
  - Knowledge of business, legal and land principles involved in property management for Oil and Gas entities.
  - Knowledge of principles and processes for providing customer and personal services.
  - English usage, spelling, grammar and punctuation.
  - Good organizational methods and procedures.
  - Methods and techniques of record keeping and records management.
  - Communicate clearly and concisely, both orally and in writing.
  - Establish and maintain effective working relationships with those contacted in the course of work.
  - Work independently in the absence of supervision.
  - Utilize computer equipment effectively.
  - Follow instructions as given by supervisor.
  - Meet established deadlines.
  - Detail oriented with good math skills
  - Functional in Word, Excel and general computer skills
- Other Requirements:
  - Possession of a valid California Driver’s License and State automobile insurance, and acceptable driving record substantiated by a DMV printout.
  - Completion of a substance abuse screening upon offer of employment.

Physical Demand:
The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform essential functions.

Work involves moderate exposure to unusual elements, such as hot and cold temperatures, dirt, dust, fumes, smoke, unpleasant odors and loud noises. Exposure to the oil fields. Little physical effort required.

While performing the duties of this job, the employee is regularly required to sit; use hands to finger, handle, or feel; and talk or hear. The employee frequently is required to reach with hands and arms. The employee is frequently required to stand; walk; and occasionally required to stoop, kneel, or crouch. The employee must occasionally lift and/or move up to 25 pounds.

Some overtime and weekends will be required.

Place inquiries / resume to:
Christy Swatzell, HR Manager
cswatzell@ebresources.com
661-679-1718
Company Information:

<table>
<thead>
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<th>Company:</th>
<th>Address:</th>
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<tbody>
<tr>
<td>City, State, Zip:</td>
<td>Business Phone:</td>
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<tr>
<td>Fax:</td>
<td>Contact Name:</td>
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<td>Date of Request:</td>
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Monthly Advertising Rates: (circle one)

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<th>Size, inches</th>
<th>Rate, $ / Month</th>
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<td>25.00</td>
<td>(One business card size)</td>
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<td>4 X 3.5</td>
<td>50.00</td>
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<tr>
<td>6 X 3.5</td>
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<td>125.00</td>
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<td>150.00</td>
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Advertising Order Form:

Ad Size | Start Date:
---------|-----------------
One Month Cost | # Months Run
TOTAL Due: | Payment Due
If possible, please provide payment at time of placing advertisement.

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

Special Instructions:

Art Work: (circle one)

<table>
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<tr>
<th>Camera Ready Art</th>
<th>Black &amp; White Copy</th>
</tr>
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<tbody>
<tr>
<td>Business Card</td>
<td>Diskette</td>
</tr>
</tbody>
</table>

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

Neil Malpiede, SJV SPE
5001 California Ave., Suite 120
Bakersfield, CA 93309

or e-mail to NeilM@CannonCorp.us
Have You Renewed Your SPE Membership?

Membership Renewals are Due NOW!

Go to: www.spe.org/renew

Log in to renew online or print an invoice to mail or fax to SPE

SPE dues waiver policy (up to two years if unemployed with a written request)
To Join SPE
Go to the Link:
http://www.spe.org/join/qualify.php

Do you work in the Oil & Gas Industry?
If so, Think Big Benefits with SPE.
Join Our Worldwide Membership Today!
## SJV SPE Board of Directors
### 2011-2012

<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>
<td>Larry Miller</td>
<td>Halliburton</td>
<td>(661) 391-5387</td>
<td><a href="mailto:Larry.Miller@Halliburton.com">Larry.Miller@Halliburton.com</a></td>
</tr>
<tr>
<td>Program</td>
<td>Max Solanki</td>
<td>Oxy of Elk Hills Inc.</td>
<td>(661) 412-5194</td>
<td><a href="mailto:Max_Solanki@Oxy.com">Max_Solanki@Oxy.com</a></td>
</tr>
<tr>
<td>Membership</td>
<td>Andrei Popa</td>
<td>Chevron Corporation</td>
<td>(661) 654-7187</td>
<td><a href="mailto:Andreipopa@Chevron.com">Andreipopa@Chevron.com</a></td>
</tr>
<tr>
<td>Secretary</td>
<td>Jesse Frederick</td>
<td>WZI Inc.</td>
<td>(661) 326-1112</td>
<td><a href="mailto:jfrdrck@wziinc.com">jfrdrck@wziinc.com</a></td>
</tr>
<tr>
<td>Treasurer</td>
<td>Cynthia Yuen Lynch</td>
<td>Chevron Corporation</td>
<td>(661) 654-7020</td>
<td><a href="mailto:Cynthia.Lynch@Chevron.com">Cynthia.Lynch@Chevron.com</a></td>
</tr>
<tr>
<td>Surface Study Group</td>
<td>Attila Aksehirli</td>
<td>Chevron Corporation</td>
<td></td>
<td><a href="mailto:Attila.Aksehirli@Chevron.com">Attila.Aksehirli@Chevron.com</a></td>
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<tr>
<td>Sub-Surface Study Group</td>
<td>Blythe Miron</td>
<td>Aera Energy LLC</td>
<td></td>
<td><a href="mailto:BMMiron@aeraenergy.com">BMMiron@aeraenergy.com</a></td>
</tr>
<tr>
<td>Newsletter Editor</td>
<td>Neil Malpiede</td>
<td>Cannon</td>
<td>(661) 809-0139</td>
<td><a href="mailto:NeilM@CannonCorp.us">NeilM@CannonCorp.us</a></td>
</tr>
<tr>
<td>Website Administrator</td>
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<tr>
<td>Continuing Education Program</td>
<td>Terry Kloth</td>
<td>PG&amp;E &amp; Zodiac Exploration Inc.</td>
<td>(661) 858-9631</td>
<td><a href="mailto:TLKB@pge.com">TLKB@pge.com</a></td>
</tr>
<tr>
<td>Continuing Education Arrangements</td>
<td>Geordie Chambers</td>
<td>Chevron Corporation</td>
<td>(661) 654-7395</td>
<td><a href="mailto:ggchamber@Chevron.com">ggchamber@Chevron.com</a></td>
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<tr>
<td>Activities</td>
<td>Tara Butler</td>
<td>Enova Solutions</td>
<td></td>
<td><a href="mailto:Tbutler@enovaes.com">Tbutler@enovaes.com</a></td>
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<tr>
<td>Community Outreach Education</td>
<td>Ark Zhumadilov</td>
<td>Chevron</td>
<td>(661) 654-7243</td>
<td><a href="mailto:AZCD@Chevron.com">AZCD@Chevron.com</a></td>
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<tr>
<td>Young Professionals Liaison</td>
<td>Keith Kostelnik</td>
<td>Vintage Production Calif.</td>
<td>(661) 412-5580</td>
<td><a href="mailto:Keith_Kostelnik@oxy.com">Keith_Kostelnik@oxy.com</a></td>
</tr>
<tr>
<td>Award Nominations</td>
<td>Scott Myers</td>
<td>Baker Hughes</td>
<td>(661) 328-6111</td>
<td><a href="mailto:Scott.Myers2@BakerHughes.com">Scott.Myers2@BakerHughes.com</a></td>
</tr>
<tr>
<td>Western NA Regional Director</td>
<td>Dr. Sam Sarem</td>
<td>Improved Petroleum Recovery Consultants</td>
<td>(714) 692-1198</td>
<td><a href="mailto:sam4iprc@aol.com">sam4iprc@aol.com</a></td>
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