There Will Be No General Section Meeting in January

National Engineers Week
February 24, 2012
8:00 am to 2:30 pm
Cal State University, Bakersfield
Student Union Building

The Society of Petroleum Engineers, Kern County Superintendent of Schools School-to-Career, and Cal State University, Bakersfield are proud to announce the 12th Annual Engineers Day event offering local high school students the opportunity to find out just what engineers and geologists do. A wide range of representatives from the industry will relate first-hand to students what types of careers are available and offer valuable resources. We held another very successful event in 2011 with some very positive feedback from students and industry and we keeping our one-day event format in 2012 by serving all interested students at the new larger facility at CSUB.

The agenda will include an open Exhibition Area of projects, industry demonstrations, hands-on activities, and industry representatives available to answer questions. In addition, presentations will be made describing the growing importance of engineers in the workforce. Other topics include the required skills, proper ethics, and recommendations on internships. A barbecue lunch will be provided by Halliburton. The students will also have an opportunity to tour the CSUB campus.

The SPE is requesting help from industry to make this 12th Annual event a big success. We are trying something new this year. Some companies have expressed a desire to bring some of their larger equipment for the students to see and lay “hands-on”. We are making an area adjacent to the Student Union building available for just such displays. If your equipment is of a moderate size we might be able to accommodate you in the table exhibit area – talk to Blythe, Tara or Pam for more information.

We need three things: Financial donations are needed to help defray the costs of hosting this event; more importantly, exhibitors are needed to show the types of jobs engineers fill and the type of work they do (don’t forget the area for large equipment displays) and speakers are needed to make relevant presentations. Demonstrations and hands-on exhibits are the most popular among the students. We are trying to convince students who exhibit prowess in math and sciences to pursue a career in engineering. Industry predictions have shown that as much as 50% of the engineering workforce will retire in the next 5-8 years.

Due to state budget cuts, the SPE is looking for help in sponsoring this event, and companies interested in setting up display booths. In February 2011, over 500 students and teachers attended the event from all over Kern County. We are expecting similar attendance again this year.

If you would like to take part in this special event, please review the attached forms and/or contact:

Blythe Miron
BMMiron@aeraenergy.com
661-281-5713

Tara Butler
tbutler@enovaes.com
661-327-2405

Pamela Willis
pamelaw@wzlinc.com
661-326-1112
Sponsorship Form – Engineering Day 2012
FEBRUARY 24, 2012

Name (Company/Individual): ____________________________________
Address: ________________________________________________________
Phone: _____________________           Email:_______________________

Sponsorship Amount (check one):

__$500    __$750    __$1000    __$1500    __$2,000

_____ Other/Amount

Please make checks payable to: SPE San Joaquin Valley Section
Tax ID = 75-2001539

All sponsors will be recognized on event flyer. Please attach logo or business card.
Thank you for your donation.

Mail to: Pamela Willis

1717 28th Street

Bakersfield, CA  93301
SPE-SAN JOAQUIN VALLEY SECTION & KERN COUNTY SUPERINTENDENT OF SCHOOLS (SCHOOL TO CAREER) & Cal State University, Bakersfield

ENGINEERING DAY
FEBRUARY 24, 2012

Booth Exhibitor Application

_________________________________         _____________________________
Business Name

_________________________________  __________________      ___________________
Type of Business

_________________________________  _____________________      ___________________
Contact Person

_________________________________  ___________________
Phone

_________________________________  ___________________
Email

Authorized Signature                                       Date

APPLICATION DEADLINE: February 3, 2012

Exhibitors are limited to 2 tables (8’ in length)
There is no charge for having a booth, though Exhibitors must commit to keeping booth staffed for duration of event (8:00 a.m. – 2:30 p.m.)

Electrical outlet needed?         _____ Yes    _____No

Number of tables (1 or 2) ______     Number of chairs (1,2,3)    ______

Mail or FAX applications to: Pamela Willis
1717 28th Street, Bakersfield CA 93301,  Fax: 661-326-6480
Questions? Call or Email Blythe Miron @ (661) 281-5713 or BMMiron@aeraenergy.com

Cal State University Bakersfield, Student Union opens at 7:00 a.m. on event day. All booths should be set and ready by 8:00 a.m.
Happy New Years, everybody! I hope you all had a fantastic and safe holiday season as my family and I did. During the holidays, while we were up in the Tahoe area enjoying the snow barren hills and pine needle “slide” slopes, I had a lot of time to not only reflect on the past year, but think a bit about the important events and activities we have coming up in 2012. It can be frightening, daunting, and exhilarating all at the same time when you really start thinking of all the detail and hard work that has to go into these events. We have the 2012 Western Regional Meeting in March, the Engineering Week in February, the Golf Tournament following the WRM, and all of our normal study group and general section meetings to organize and fill with speakers. If it wasn’t for Andrei Popa and Young Kirkwood and all of their WRM Committee volunteers for the Western Regional Meeting; Pam Willis, Tara Butler and Blythe Miron for the Engineering Week; and Young Kirkwood again and his committee for the golf tournament, I would have seriously thought of going down one of those pine needle “slide” slopes head first riding a golf bag down it. The San Joaquin SPE Section would not be as successful as we are without the hard work that all of these SPE local volunteers do in addition to their normal work duties. Please thank and support them in any way you can if you see them at work, or run into them around town or on the slopes.

Speaking of recognition, we have until February 1st to nominate achieving individuals within our own SJV SPE section for awards to be given at our own Western Regional Meeting. Surely, as you read this, you have some SPE member in mind that is worth submitting for an award. It is now even simpler to do as you do not have to write a letter of recommendation as in the past. So please contact Scott Myers (info on last page of this newsletter) with any suggestions of nominees you may have.

I am sure that I am leaving something terribly important out of this communication, and for that (as my wife has taught me), I am sorry, but we have a lot of work to do within the SPE this quarter, and I just wanted to make sure that all of you are aware of it and ask for your support in attendance to these events that these volunteers have worked so hard in preparing. By the way, you can register now online for the Western Regional Meeting in March at a discounted rate which I am sure your bosses would appreciate, so feel free to register today.

Until Next Month,
Larry Miller – 2011-12 SJV SPE Chairman
Remarks by WNAR Director

Dear WNAR Colleagues,

I hope you had a wonderful Holiday Season and are rested and fresh to set up your goals for the New Year.

At the Region level, we were blessed to have five outstanding candidates for the 2012-2015 WNAR Director position, which made the selection decision by the Section Chairs very difficult as the candidates were all truly capable and any one of them could do a marvelous job as WNAR Director. In alphabetical order, they were: Louis Castanier, Ramon Elias, Roland Horne, Young Kirkwood and Tom Walsh. Thank you Jerry Hale for heading the Nominating Committee and thank you the Section Chairs for your input. I would also like to give a heart felt thanks to the nominees for volunteering to serve SPE in that capacity.

Because of the excellence of all candidates, I have presented all five candidate’s names to SPE along with the rankings by the WNAR Council, which were very close. SPE will review the qualifications and make a decision. The results will be announced in June and if not contested, will be final for October. If contested, a region-wide election will be held.

The National Engineers Week on Feb 20-26 will provide opportunities for getting points toward becoming the President’s Outstanding Section by publicizing your outstanding Petroleum Engineering Projects and the use of Energy 4 Me Kits. So let’s all try to tell the public about our industry by individual speeches, project tours, newspaper articles, and interviews by radio, television, clubs, etc.

Another very important activity coming up is the 2012 WRM being hosted by SJV Section in Bakersfield in 19-23 March. Your help is urgently needed not only to help the Section Chair, Larry Miller; Andrei Popa, Young Kirkwood and Ron Behren and others running the meeting, but getting a good slate of Awards Nominees before the Feb 1 deadline. Remember that we need nominees for eight technical areas plus outstanding Young Professionals, Corporation and Service to SPE and Community.

Happy New Year to all,

A.M. Sam Sarem, Ph.D., P.E., SPE Director

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.

#### PARTICIPANT PROFILE

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

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### Contact Information

- **Address:** 222 Palisades Creek Drive, Richardson, TX 75080
- **Phone:** +1-972-852-9292
- **Email:** registration@spe.org
- **Website:** http://www.spe.org/events/wrm/2012j

### Payment Options

- Online: http://www.spe.org/events/wrm/2012j
- Check: Harman, 3501 84th Ave S, Seattle, WA 98106
- Credit Card: Credit Card number, expiration date, and security code
- Wire Transfer: Wire transfer to SPE Western Regional Meeting, 222 Palisades Creek Drive, Richardson, TX 75080

### Cancellation Policy

Cancellations must be received in writing prior to 5 March 2012 for a full refund. No refunds offered after 5 March 2012.
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 Ice-breaker 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 Earl 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 December 31th

SJV Welcomes Our New Members (6):

Mrs. Michelle R Geherty
Mr. Steven A Hall
Mr. Dale R Julander
Mr. Trace Kline
Mr. Ronn McKelvey
Mr. Nicholus Moir

Aera Energy LLC
Schlumberger
Chevron Corp
Halliburton Energy Services
Baker Hughes Inc

SJV Section Welcomes Members Transferring In – Welcome to SJV (8):

Miss Allison Elledge
Mr. Jesse Lehrman
Ms Kris K Beadall
Ms Christine Hamilton
Mr. Joseph Iguaz
Mr. Mark G Starcher
Mr. Frederick C Stein
Mr. Renjitz Z Shinto

Chevron Corp
Sanjel Corp
Vintage Production CA
Occidental Petroleum Corp
BAKER HUGHES
Occidental Petroleum Corp.
Fairways Offshore Expl, Inc.
Occidental Petroleum Corp.

Transfer From: Delta
Transfer From: Denver
Transfer From: Gulf Coast Section
Transfer From: Gulf Coast Section
Transfer From: Gulf Coast Section
Transfer From: Gulf Coast Section
Transfer From: Gulf Coast Section
Transfer From: Qatar

Best of Luck to Those Transferring Out and Moving on (5):

Mr. Birlie C Bourgeois
Mr. Timothy L Gorham
Mr. Regan J Braseth
Mr. Vigen Ghazarian
Mr. Todd W Michael

Chevron Corp Transfer
Chevron Corp Transfer
Chevron Corp Transfer
Chevron Nigeria Ltd
Chevron Corp Transfer

To: Calgary
To: Golden Gate
To: Gulf Coast Section
Transfer To: Lagos Nigeria
To: Los Angeles Basin

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=_xclick&hosted_button_id=WCP52LNVEV3RJ

Non-Members ($25)
https://www.paypal.com/cgi-bin/webscr?cmd=_xclick&hosted_button_id=FV43W7JKHYSJJC

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 CO₂ 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 of Business 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 2000 – 2006
Director, Business Development
Responsible for developing cogeneration and/or combined heat power plants in North America

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

Amoco Power Resources Corporation (APRC) 1996 - 1998
Vice President, Business Development
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 1991-1996
Project Development
Project Developer in CSW Energy’s $40 Million dollar investment in the holding company of the Grupo Denerge.
Society of Petroleum Engineers

Young Professionals Dinner Meeting

Mark Birk, Occidental Petroleum Corp.

It’s no secret that with increased activity usually comes an increase in incidents and in 2011 that was unfortunately the case for several companies. To better prepare for 2012 we have pulled experts from Aera, Chevron, and Oxy for a series of meetings that will be given throughout the year to discuss subjects that will enable everyone to go home safe.

Please join us for our kick off meeting of 2012 where Mark Birk, Risk Management Coordinator for Oxy, will be presenting “Operational Risk Management and Your Projects”.

Wednesday January 18th, 2012 at 6PM
12th floor of the Petroleum Club
5060 California Ave

Please bring your friends, spouses and co-workers and join us for a Social hour of drinks, dinner, and a brief presentation.

RSVP by Tuesday, January 17th: $25 per person (Click Below)
https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=LW9J82RL99TD8

Walk-ins are welcome (if space is available) - $30 (SPE Members), $35 (Non-Members) (Cash/Check at door)

Event Contact: Keith Kostelnik 661-412-5580 keith_kostelnik@oxy.com

Mark Birk is the Risk Management Coordinator for Vintage Production California. He has been with Oxy Oil & Gas for five years. Prior to Oil & Gas Mark was with a division of Occidental Chemical in the Health, Environment & Safety Field for five years. Before joining Occidental, Mark was the Health, Environment & Safety Supervisor for a Pfizer Pharmaceutical Manufacturing Facility for three years after his internship their prior to college graduation.
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.
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.
SPE SJV Continuing Education
(continued)

“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 this 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
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, ATSs, 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
SPE SJV Continuing Education

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.
Shale Gas Development
(continued)

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.
PD457
B31.3 Process Piping Materials Fabrication, Examination & Testing

A comprehensive, supplemental course to PD014: *ASME B31.3 Process Piping*, this course is designed to illustrate the relationship of the Fabrication & Examination rules of the B31.3 Code to the Design and Materials rules. Examples of problems that occur as a result of not understanding the relationship of the ASME code to design rules and materials selection are featured. The primary goal of this course is to provide insight into the rules relating to the ASME B31.3 Fabrication and Examination code.

You Will Learn
- Materials selection and limitations
- Fabrication rules and their bases
- Relationship between B31.3 design and the fabrication & examination requirements
- Welding qualification requirements
- Inspection, examination, and testing requirements

Who Should Attend
Piping engineers and designers, fabricators and erectors, QA/QC personnel, engineers and maintenance personnel who desire a more in depth understanding of the Fabrication and Examination rules of the B31.3 Code covering process plant piping systems.

Instructor
Philip D. Flenner, P.E., is a senior welding consultant and founding member of Flenner Engineering Services, LLC. He has over 30 years of experience in welding qualifications and training, engineering training, power plant repair methods, quality control and performance assessment, nuclear dry fuel storage, and codes and standards.

He is a member of the ASME B31 Code for Pressure Piping Main Committee, the B31.1 Power Piping Section Committee, and the ASME Section IX Committee on Welding and Brazing Qualifications as well as other national codes and standards committees.

Cost and Venue
The price for this class is $1,000 and it is to be held at the University of Phoenix on May 22nd and May 23rd, 2012 from 8:00 am to 5:00 pm. Lunch is not included in the price. However, there will be a lunch break and the students free to go for lunch at location of their choosing. A mid morning and mid afternoon snack plus coffee and soft drinks will be provided.

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.
Announcing the SPE SJV Section
Monthly Networking New Year Bash

The January Sponsor is San Joaquin Bit Service.

Thursday, January 26th, 2012
5:30-7:30 @
Lengthwise Brewery
6720 Schirra CT

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 long time colleague.

Non-member guests are always welcome to attend.
RSVP to Tara Butler @ tbutler@enovaes.com or 661-319-4022
The San Joaquin Valley SPE & SPE Young Professionals would like to thank WZI, Inc. for sponsoring our December Toys for Tots 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 661-319-4022.

WTI & California Midway Sunset Oil Price ($/bbl)
Manager of Engineering

Employment Classification: Salary Non-Exempt
Reports to: President

Hathaway LLC has been in business for over 10 years and has experienced tremendous growth in the past few years. Growth and financial success within this organization can be achieved through hard work, versatility and continued loyalty. Hathaway LLC was recently honored in Inc. Magazine as one of the fastest growing privately held companies in the United States. Our long range plans are to continuously aggressively grow the company and maintain our Bakersfield, CA based headquarters. The company is very strong financially, not publicly traded and controlled by one owner. There are no plans to divest and a very clear succession plan is in place. All of these things coupled with the owner’s strong community presence solidify the company’s stability.

Fundamental Objectives:
Under the general direction of the President of the Company, the Manger of Engineering is responsible for assisting the President with major and minor decisions pertaining to various projects, budget allocations, strategic planning, reserve reports, company processes and procedures and other various tasks assigned by the President.

Essential Functions of the Job:
- Overseeing completion of recurring Reserve Analysis
- Assisting with annual budget
- Managing the surveillance of oil and gas production
- Assist with drilling programs as they occur
- Advise the President on pertinent company decisions
- Implement processes to improve operational efficiency

Minimum Qualifications:
- Education: Graduation from an accredited college with a BS degree in Engineering.
- Experience: Seven (7) years of experience in the Oil and Gas Industry in California.

Skills/Knowledge/Ability of:
- Excellent working knowledge of the oil and gas reserve Analysis and SEC terms pertaining to oil and gas reserves
- Ability to effectively evaluate acquisitions
- Strong competency in thermal operations
- Basic knowledge of facility design
- Familiarity with budget implementation and preparation
- Good working knowledge of oil and gas accounting
- Ability to interact well with operational team and develop more efficient processes
- Strong competency in drilling operations
- Strong working knowledge of oil and gas regulations in California
- Good organizational methods and procedures
- Communicate clearly and concisely, both orally and in writing
- Methods and techniques of record keeping and records management
- Establish and maintain effective working relationships with those contacted in the course of work
- Utilize computer equipment effectively
- Ability to meet established deadlines
- Detail oriented with good math skills
- Skilled in Word, Excel and general computer skills

Other Requirements:
- Possession of a valid California Driver’s License, 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.

Qualified candidates only please send resume and salary history to:
Shelley Siemens, HR Manager, ssiemens@hathawayllc.com
At Chevron, you’ll join a team with the technology to take on big challenges, the integrity to do it responsibly, and the drive to keep the world moving forward. Are you up to the job?

Chevron is hiring experienced production and reservoir engineers. Please visit us online at chevron.com/careers to learn more and apply.
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- **City, State, Zip:**
- **Business Phone:**
- **Fax:**
- **Contact Name:**
- **Date of Request:**

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

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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

### Support the SJV SPE Newsletter by Purchasing Advertising Space
- **MONTHLY NEWSLETTER DISTRIBUTED TO SAN JOAQUIN VALLEY & SANTA MARIA SECTIONS**
- **MEMBERS FREE OF CHARGE. PDF POSTED TO WEBSITE AT MONTH’S END.**
- Rates start at only $25/month.
- E-mail the SJV SPE Newsletter Editor for more info at 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!
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<td>Larry Miller</td>
<td>Halliburton</td>
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<td><a href="mailto:Larry.Miller@Halliburton.com">Larry.Miller@Halliburton.com</a></td>
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<td>Jesse Frederick</td>
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<td>(661) 326-1112</td>
<td><a href="mailto:jfrdrck@wziinc.com">jfrdrck@wziinc.com</a></td>
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<td>Cynthia Yuen Lynch</td>
<td>Chevron Corporation</td>
<td>(661) 654-7020</td>
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<td>Attila Aksehirli</td>
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<td>Website Administrator</td>
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<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>
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<td><a href="mailto:ggchamber@Chevron.com">ggchamber@Chevron.com</a></td>
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<td>Tara Butler</td>
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<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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<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>
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<td>Baker Hughes</td>
<td>(661) 328-6111</td>
<td><a href="mailto:Scott.Myers2@BakerHughes.com">Scott.Myers2@BakerHughes.com</a></td>
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<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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