February 21, 2013

General Section Meeting

Topic: California’s Cap and Trade Program

Speaker: Jesse Frederick, WZI Inc.

Date: Thursday, February 21, 2013 @ 11:30 AM

Location: The Petroleum Club, 12th Floor, 5060 California Avenue, Bakersfield

Cost: With online payment or RSVP: $20 members, $25 non-members
Walk-ins: $25 members, $30 non-members

Reservations:

RSVP by Tuesday morning February 19th, using one of the three options:

Using the corresponding link below to pay online using your Visa, MasterCard, American Express, Discover or PayPal account:

PayPal Link for SPE Members - $20

PayPal Link for Non-SPE Members - $25

OR if the above links don’t work copy these links in your browser’s address box

Members

https://www.paypal.com/cgi-bin/webscr?cmd=_xclick&hosted_button_id=ALJQLJ436UBE6

Non-Members

https://www.paypal.com/cgi-bin/webscr?cmd=_xclick&hosted_button_id=688UZLWE5YGVU

OR

Email Jesse Frederick at pamelaw@wziinc.com

Call (661) 326-1112

Walk-ins and attendees with email/phone RSVP must pay by cash at the door. Sorry, no credit cards accepted at the door. RSVP no shows may be billed.
General Section Meeting

ABSTRACT:

We are now in the early stages of implementing the Cap and Trade program in California. Mr. Frederick will present the historical development of the program, the current status of the program, some future scenarios and what it might mean for the petroleum industry.

SPEAKER:

Jesse D. Frederick, Vice-President of WZI, Chemical Engineer, has thirty years professional experience as an engineer, project manager and department manager, having served as the Manager of Environmental Affairs for a Fortune 1000 company. Mr. Frederick has developed cost effective permitting and compliance strategies for various sized projects ranging from $50 million to $500 million, including international projects, and has been involved in numerous CEQA and NEPA documents. He has been included in regulatory development and the public review process throughout the United States.

Mr. Frederick is a recognized expert in the field of environmental compliance strategy for the electrical production industry and has published papers on energy forecast and environmental issues including CEQA, as well as serving as an editor for a Society of Petroleum Engineers Monograph on environmental issues for the oil and gas industry.
First of all, a very Happy New Year to you all. I know this letter is a month late, I was away on a three week vacation in India. During that vacation Jesse Fredrick was kind enough to fill in for me. Thank You Jesse!

My resolution for 2013 is to “Stop Being Rude”, let me explain. I happened to read an article by Erika Napoletano, an online strategy consultant, she writes this article “Stop Being Rude: The New Rules of Social Business”. She outlines four basic rules designed to help us remember what is important in day to day business interactions and activities. It goes as follows:

1. Put your phone away – Life goes on without it. Don’t be a jerk and give it more attention than the people standing in front of you.
2. You will not die if you close Twitter and Facebook. Stop screwing around and start getting things done.
3. Be present. If you’re going to a meeting or conference, don’t use technology as an excuse to show up in body but be elsewhere in mind. If you turn off the devices and then tune in to people, you just might find that time spent in any situation is much more worthwhile.
4. Rethink meetings. Do you know why your team would rather be on Facebook or texting? It’s possibly because your meetings are boring, time consuming and without purpose. Restructure your meetings so they take 20 minutes tops. Make sure that only required people attend. And make everyone leave technology at the door.

Great rules to follow!

Attila Aksehirli has elected to step down from the board due to the lack of time he can dedicate to SJVSPE. I would like to thank Attila for his committed work on the board as a surface study group director. Rakesh Trehan has elected to take over for Attila. Rakesh is the District Technology Manager with Halliburton for the Bakersfield District. He has a BS in Mechanical Eng & MBA in Ops Mgmt from India. He also holds an MS in Engineering Management from Cal Poly Pomona.

The SJVSPE golf committee announces the ninth annual SPE Golf Tournament to be held on April 5th, 2013 at Sundale Country Club. Details will be available on our website soon.

The SJVSPE Community Outreach is hosting the 2013 Engineering day at CSUB details of which are included in this newsletter and posted on the website.

Lastly, I would like to remind you to register to attend the 2013 SPE Western Regional Meeting scheduled for April 19–25, 2013. Please click on the link for deadlines and programs.

Thank you for the opportunity to serve you.

Until Next Time,

Max Solanki
Highlights from out last General Section Meeting
January 17, 2013

Novel In Situ Characterization of Heavy Oil Integrating NMR and Dielectric Logs

Nick Heaton manager of the NMR interpretation program at the Schlumberger Houston Formation Evaluation Center presented a new approach to the characterization of heavy oil reservoirs. Nick presented his work on the integration of nuclear magnetic resonance (NMR) with dielectric dispersion measurements and conventional nuclear porosity logs. The method presented builds on recent advances in NMR viscosity estimation techniques that enable accurate viscosity determination for crude oils with viscosities ranging from tens to millions of centipoise. Examples were presented that demonstrated the application of the method in a range of very different heavy oil reservoirs. Results were compared with core and with fluid sample measurements where available. Nick went on to say that this technology was being readied for commercial application.
A reminder to everybody in our membership that the 2012 Annual Technical Conference & Exhibition (ATCE) will...

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

PROFESSIONAL SPOTLIGHT

BEHROOZ FATTAHI

Dr Behrooz Fattahi is Learning Advisor for Aera Energy LLC, an affiliate of Royal Dutch Shell and ExxonMobil companies. He holds Ph.D. degrees in Aerospace Engineering and in Mechanical Engineering from Iowa State University. Prior to joining the oil industry, he conducted research for the National Aeronautics and Space Administration, and the National Science Foundation, and taught a variety of courses in fluid dynamics and solid mechanics at Iowa State University. He joined the petroleum industry in 1977 as a reservoir engineer for Shell International. Dr. Fattahi is a past member of the American Institute of Aeronautics and Astronautics, and American Association of University Professors. He served as the Executive Editor of the SPE Reservoir Evaluation and Engineering Journal, and on the board of the Society of Petroleum Engineers International (SPE) as the Director of the Western North America Region, President of SPE Americas Inc., and Vice President-Finance. He served as a member of the United States National Petroleum Council. He is currently a member of the Board of the SPE Foundation, and Chairman of the SPE International Soft Skills Council. Dr. Fattahi served as the Chairman of the Board, and the 2010 President of SPE International. He has been elected to serve as the 2014 President of the American Institute of Mining Metallurgical and Petroleum Engineers, AIME.

SPE SJV: How did you make a transition from aerospace engineering to petroleum industry?

BF: I was not planning on it. While I was working on my PhD, the aerospace industry was experiencing a downturn and I decided to broaden my experience and get a PhD in Mechanical Engineering as well. As I was doing simulation work for aerospace, the petroleum industry started getting interested in application of numerical techniques for reservoir modeling and they were looking for people with experience in that field. Shell offered me to join their modeling team and that’s how my petroleum engineering career started.

SPE SJV: What was the most interesting assignment that you worked on?

BF: One of my great assignments was in New Orleans, LA in Shell’s deepwater division. I was part of the team working on installation of the first deepwater platform Auger. At the time it was a (continued on next page)
truly state-of-the-art project, really pushing the boundaries of technology in building a sophisticated platform in several thousand feet of water! That was a huge undertaking!

SPE SJV: What was the most challenging experience in your career?

BF: The most challenging was perhaps my initial entry into oil industry. As a new reservoir engineer and a young professional I immediately had a huge responsibility on my shoulders being in charge of a field that produced about a million bbls of oil a day! Although it was a challenging start, it at the same time served me as a great introduction to petroleum engineering and provided me with an extremely valuable experience.

SPE SJV: What traits or strengths does a person need to have to succeed in the industry?

BF: Extensive technical knowledge and work experience have always been an important part of any professional progression. However there are highly technical and bright people who struggle to convey their knowledge, their ideas to people around them and work in a team. Therefore in the new world the development of a complimentary set of competency, the so-called “soft skills”, such as diversity, teamwork, self-awareness, leadership and many others are critical for an individual to achieve a successful professional career. I initiated the idea of soft skills at SPE a few years ago, which led to the creation of the SPE Soft Skills Council. In the next few years the intent is to make soft skills as prominent as technical skills for an individual.

SPE SJV: Any particular soft skills that Oil & Gas industry should focus on first?

BF: Appreciation of diversity is an important one. There is such a mix of different cultures in our workplace, people travel more, take on assignments in different parts of the globe and this process has been accelerating. It is crucial to appreciate various cultures and traditions, respect the differences and encourage teamwork. Moreover as an industry we only hire 17-20% of female professionals despite a large percentage of current workforce (up to 55% in US) being women. We fail to attract them into the industry because we try to change women in ways so they can survive in a man’s world. To me that’s a wrong approach. Rather than changing them to survive in the man’s world, let’s accommodate women for who they are and what they can offer and value that diversity. We need to embrace the differences and that will bring a huge value to both our industry and the society.

SPE SJV: Being always actively involved in SPE, how have you managed to combine your primary job and volunteering?

BF: This is not very easy. It is important to prioritize and find the kind of volunteer work that suits one’s lifestyle. In my case I found more time for SPE and volunteer work, when my kids grew up and left the house. I always managed to do 95-98% of my volunteer work from home. Everyone has 24 hours a day, not more, not less and it is up to an individual to set the right priorities and realistically manage the time accordingly.

We would love to hear from you! Please forward your questions, suggestions or comments about this column or the Newsletter to knosova@slb.com and neilm@cannoncorp.us
Online Registration Only

http://connect.spe.org/sjv/SJV/Home/ to go to our

Online 2013 SPE Golf Registration

SPONSORSHIP LINKS

Get a Company Hole Sign - $ 150 online link

2013 Golf Platinum Sponsor - $1,500

2013 Golf Gold Sponsor - $1,000

2013 Golf Silver Sponsor - $500

Date: April 5, 2013 (7AM / 1PM)
Location: Sundale Country Club
Format: 4 Person Scramble
Cost: $100 / Player
Registration Deadline: March 22nd
Sponsors Info: Larry.Miller@Halliburton.com

New Membership Drive

1. Any member bringing a non-member that joins SPE will receive a 25$ Sundale gift certificate (Proof of Paid Membership required)

2. Any non-member joining SPE will re-
SPE Subsurface Study Group Lunch

Oil Field Thermal Diatomite Case Study: Cyclic Steam Injection in the Careaga Lease, Santa Barbara County, CA

Speaker: Ramon Elias, V.P. Reservoir Engineering, Santa Maria Energy, LLC

Date: Wednesday, February 13, 2013, at 11:30 a.m.
Location: Petroleum Club (12th Floor) at 5060 California Ave. in Bakersfield

Reservations: RSVP by Monday, February 11, 2012
RSVP via email to TJHampton@AeraEnergy.com

Or, reserve via PayPal:

Members ($20)
https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=DZR9GSY6FKKJ4

Non-Members ($25)
https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=4YNA6PXBYV8JS

Abstract

This presentation will discuss the analysis and interpretation of pressure, temperature and steam injection rate data from Santa Maria Energy's (SME) cyclic steam injection pilot project in the diatomite in the Orcutt Oil Field. The pilot has been in operation since October 2009 and consists of 19 cyclic steam injection wells configured in a 4x5 matrix spaced about 120 feet apart producing from about 925 feet of depth. SME has adopted a range of lower cyclic steam injection rates and total steam volumes (dosages) than is common in other industry projects, with the objective of confining steam injection to the zones of interest. A comprehensive surveillance system is used to monitor its cyclic steam injection oil recovery operation and operating protocols are in place for maintaining a safe and reliable operation. The presentation discusses data automatically collected at each well and their real time analyses.

Cycle-by-cycle analyses of steam injection and soak periods for all SME wells using accepted and effective techniques show (a) no indication of fracture flow and (b) that large skin effects are present during steam injection. The latter raises questions about the use of tubing wellhead pressure readings as a reliable indicator of the downhole reservoir pressure while injecting steam.

Differential thermal expansion of the heated rock and its fluids, which results in local inflation of the pore space, may be occurring to an extent not realized in more permeable rocks such as sandstones. Other possible effects affecting the observed production response are also cited.

Biography

Ramon Elias is reservoir engineer with Santa Maria Energy LLC in Santa Maria, CA. He has over 40 years of varied oilfield experience including extensive thermal recovery work in California and Venezuela. He has worked for major oil companies, independents and as a corporate level consulting advisor to two Western Hemisphere state run oil companies. He has published various technical papers domestically and abroad. He holds a B.S. degree in mechanical engineering, has completed extensive post graduate coursework in petroleum engineering and is a California registered engineer.
National Engineers Week

February 22, 2013
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 13th 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.

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 barbeque 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 13th Annual event a big success. Last year some companies brought in some of their larger equipment for the students to see and lay “hands-on”. Based on last year’s success we are making an area adjacent to the Student Union building available for just such displays this year as well. Talk to one of us if you have specific questions.

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 4-7 years.

SPE is looking for help in sponsoring this event, and companies interested in setting up display booths. In February 2012, 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:

Omar Hayat
omar_hayat@oxy.com
pamela@wziinc.com
Phone: 661-204-8593

Blythe Miron
BM_Miron@aeraenergy.com

Pamela Willis
pamelaw@wziinc.com
Phone: 661-326-1112
Sponsorship Form – Engineering Day 2013
FEBRUARY 22, 2013

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 or Email to: Omar Hayat omar_hayat@oxy.com
Occidental Petroleum Corporation
10800 Stockdale Hwy, Bakersfield, CA  93311
SPE-SAN JOAQUIN VALLEY SECTION
&
KERN COUNTY SUPERINTENDENT OF SCHOOLS
(SCHOOL TO CAREER)
&
Cal State University, Bakersfield
ENGINEERING DAY
FEBRUARY 22, 2013

Booth Exhibitor Application

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APPLICATION DEADLINE: February 4, 2013

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: Omar Hayat
10800 Stockdale Hwy, Bakersfield CA 93311, Fax: 661-412-5505

Questions? Call or Email Omar Hayat @ (661) 204-8593 or omar_hayat@oxy.com
Pamela Willis @ 661-326-1112 or pamelaw@wziinc.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.
Society of Petroleum Engineers

Young Professionals Dinner Meeting

LaMeka Ross
Organizational Capability Advisor
Chevron Corporation

Developing an Effective Career Development Plan

Come learn how to prepare for an effective career development partnership and understand the components for a high quality, actionable Career Development Plan as well as building your personal brand.

LaMeka has been with Chevron since November of 2006 when she accepted position as a financial analyst. She held that position for eighteen months before becoming a planning analyst where she was responsible for maintaining a $1 Billion capital budget for the San Joaquin Valley Business Unit. A year ago she moved to Human Resources as an Organization Capability Advisor where she now oversees University Recruiting, Intern Program, Diversity Team, and Employee Networks. She also serves as an Advisor to all the new engineers with less than five years of experience being a resource as they start their career at Chevron in Bakersfield.

Wednesday, February 20th, 2013 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, February 19th: $25 per person (Click Below)

https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=3KXA2NXZWG9YE

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

Event Contact: Jorge Quiroz (661) 487-2325 Jorge.Quiroz@bakerhughes.com
Krisna Wardhana (661) 747-2189 Krisna.Wardhana@oxy.com
Society of Petroleum Engineers

Young Professionals Speakers Wanted!

Take your chances on winning a free iPad w/ Retina Display!

Sign up to speak at an YP event and share about your personal and professional development in the industry, whether it is a Technical or Non-Technical topic. At the end of the year, each presenter will have an equal chance of winning through a raffle!

Event Contact: Krisna Wardhana 661-747-2189 Krisna_Wardhana@oxy.com

Event Contact: Jorge Quiroz 661-487-2325 Jorge.Quiroz@bakerhughes.com
SJV SPE Continuing Education Courses Coming Up

Feb. 19-21, 2013  **Log Applications for Fracturing – Including Shaley Sand Analysis**  
(8:00 am – 4:30 pm); $2300 for SPE members, $2400 for non-members  
University of Phoenix, Bakersfield [CANCELED]

Mar. 11-12, 2013  **ASME PD583 Pressure Relief Devices: Design, Sizing, Construction, Inspection and Maintenance**  
(8:00 am – 5:00 pm); $1150 for SPE members, $1250 for non-members  
University of Phoenix, Bakersfield

May 1-2, 2013  **Oil and Gas Reserves: The SEC Reporting Rules**  
(8:00 am – 5:00 pm); $1,400 for SPE members, $1,600 for non-members  
University of Phoenix, Bakersfield

May 20-23, 2013  **ASME B31.3 Process Piping**  
(8:00 am – 5:00 pm); $2,100 for SPE members, $2,200 for non-members  
University of Phoenix, Bakersfield

May 29-30, 2013  **Chemical Enhanced Recovery**  
(8:00 am – 5:00 pm); $1,400 for SPE members, $1,600 for non-members  
University of Phoenix, Bakersfield
Log Applications for Fracturing – Including Shaley Sand Analysis

Instructor:        Mr. Gary Batcheller, GWB Consultants

Date:       February 19 - 21, 2013  (8:00 am to 4:30 pm)
Location:    University of Phoenix, 4900 California Ave, Bakersfield, California.

Description:
This 3-Day workshop will use an Excel spreadsheet to analyze logs in shaley sands. Once zones of interest are analyzed fracture modeling inputs are determined using logs. Then a fracture optimization process of perforating and staging is discussed based upon reservoir analysis and rock properties. Finally the effectiveness of staging fractures and perforating will be reviewed using temperature and/or tracer surveys. Bring your computer to use Excel spreadsheets for log assessment and rock property determination. The workshop will include:

- Gamma Ray Logs – Lithology and Clay Indicator
- Neutron, Density and Photoelectric – Lithology, Porosity and Stress Layering
- Resistivity – Water Saturation and Producible Water
- Shaley Sand Analysis using Excel with Bulk Volume Water Applications
- Gas and shale effects on logs
- Development of a Permeability Profile
- Introduction to Nuclear Magnetic Resonance Logs – BV I and Movable Fluids
- The Role of Stress and Finding Stress Direction
- Estimating a In-Situ Stress Profile
- Building Profiles for 3-D Models
- Evaluating Fracture Effectiveness with Production Logs, Tracers and Temperature Surveys

Questions:
Please call Terry L. Kloth @ 661-398-5952 (office); 661-342-1068 (mobile) or e-mail TLKB@pge.com if you have questions or need additional information.

Payment & Cost:
Payment can be made by check at the door on the first day of class (RSVP in advance by e-mail) or register & pay with a credit card via the PayPal Website (below). The price of this course is $2,300 for members and $2,400 for non-members. A morning and afternoon snack and cold and hot drinks are included. Please note lunch is not included in this price.

Member Paypal Payment Link: https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=57GNEMZU58ABE
Non-Member Paypal Payment Link: https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=T4KVKA42UXKZ

RSVP: Please RSVP to pamelaw@wziinc.com

Target Audience:
All industry professionals who are involved in fracture design, application and the resulting evaluation. Both technical and none technical personnel have benefited from techniques presented in this workshop. A familiarity with Excel spreadsheet application is not required but will be beneficial. A complete workbook and actual log examples will be provided to help the student to understand the uses of logs for fracturing applications. Practical exercise will enable learning these techniques easily and make better decisions affecting ultimate production. Over 1200 personnel in the industry have learned how to apply these techniques.

Instructor:
Mr. Gary Batcheller has operated GWB Consultants, a technical training and services firm in Oklahoma City since 1989. He was employed for 18 years at Schlumberger Well Services, and held various positions including a training coordinator. Mr. Batcheller has held log workshops for the Society of Petroleum Engineers and over 250 companies worldwide and authored two papers on the evaluation of lightweight cement one on finding low resistivity pay in air holes. He holds a BSc degree in Physics from Texas Technological University and is a member of SPE, API, SPWLA. He received two SPE service awards.
“ASME PD583 Pressure Relief Devices: Design, Sizing, Construction, Inspection and Maintenance”

Instructor: Mohammad A. Malek, Ph.D., P.E.

Date: March 11, 2013 – March 12, 2013 (8:00 am to 5:00 pm)
Location: University of Phoenix, 4900 California Ave, Bakersfield, California.

Announcement:
SJVSPE is proudly sponsoring the ASME Course – PD583 Pressure Relief Devices: Design, Sizing, Construction, Inspection and Maintenance. This comprehensive review of the design, construction, installation, operation, inspection and maintenance of pressure relieving devices currently in use on boilers and pressure vessels details how to protect pressurized equipment from exceeding the maximum allowable working pressure.

Questions:
Please call Terry L. Kloth @ (661) 398-5952 (office); (661) 342-1068 (mobile) or e-mail TLKB@pge.com if you have questions or need additional information.

Payment & Cost:
Payment can be made by check at the door on the first day of class (RSVP in advance by e-mail) or register & pay with a credit card via PayPal (below). The course is limited to 35 students. The price of this course for SPE members is $1,150 per person and non-members is $1,250 per person. A morning and afternoon snack and cold and hot drinks are included. Please note lunch is not included in this price.

Member PayPal Link: https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=EANJJY7FFZCSU
Non-Member PayPal Link: https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=XBXGD66U87PO2
RSVP: Please RSVP to pamelaw@wziinc.com

Target Audience:
Process engineers, testing and inspection personnel, maintenance and reliability engineers, managers and operators.

Description:
Possibly the most important single safety device on a boiler or pressure vessel, the pressure relief device is all that stands between overpressure conditions and catastrophic explosions. This comprehensive review of the design, construction, installation, operation, inspection and maintenance of pressure relieving devices currently in use on boilers and pressure vessels details how to protect pressurized equipment from exceeding the maximum allowable working pressure.
The code requirements for pressure relief devices are covered by the following ASME Boiler and Pressure Vessel Codes:

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You Will Learn

- Code requirements for pressure relief devices covered by the ASME Boiler and pressure Vessel Code
- API RP 520 Part I, Sizing and Selection of Pressure Relieving Devices, and API RP 520 Part -2, Installation of Pressure Relief Devices
- Construction and installation
- Testing and testing facilities
- Records and maintenance and the VR (valve repair) certification program

Instructor:

SJV SPE Continuing Education

Oil and Gas Reserves: The SEC Reporting Rules

Instructors: W. John Lee

Date: May 1, 2013 – May 2, 2013 (8:00 am to 5:00 pm)

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

Announcement:

SJVSPE is proudly offering Oil and Gas Reserves: The SEC Reporting Rules. This 2-day course provides substantial detail and interpretation of the US Securities and Exchange Commission’s modernized rules for reporting oil and gas reserves. 1.6 CEUs (Continuing Education Units) awarded for this 2-day course.

Questions:

Please call Terry L. Kloth @ 661-398-5952 (office); 661-342-1068 (mobile) or e-mail TLKB@pge.com if you have questions or need additional information. For more details, also feel free to contact SPE directly: trainingcourses@spe.org.

Payment & Cost:

Payment can be made by credit card at the door on the first day of class (RSVP in advance by e-mail) or register & pay with a credit card via the SPE Website (below). The price of this course is $1,400 for members and $1,600 for non-members. A morning and afternoon snack and cold and hot drinks are included. Please note lunch is not included in this price.

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

Target Audience:

Anyone in the petroleum industry who deals with the reporting of oil and gas reserves will benefit from this course.

Description:

This 2-day course provides substantial detail and interpretation of the US Securities Exchange Commission’s modernized rules for reporting oil and gas reserves.
Oil and Gas Reserves: The SEC Reporting Rules

The course includes:

- Discussion on classifying resources
- The SPE/WPC/AAPG/SPEE Petroleum Resources Management System (PRMS), which is the basis for many of the new SEC reserves definitions
- The effects of the new rules on nontraditional resource disclosures
- Recommendations for adapting to the new rules

Lectures and discussions are included, with more than half of the time devoted to solutions from class problems and exercises.

The course workbook includes relevant publications of the SEC, SPE and the Financial Accounting Standards Board. This course information has been updated to include the latest changes in SEC rules and regulations.

Special Requirements:

Participants must bring laptops to class.

Instructors:

W. John Lee holds the Hugh Roy and Lillie Cranz Cullen Distinguished University Chair in the University of Houston’s petroleum engineering program. Prior to this, Lee held the L.F. Peterson Chair in petroleum engineering at Texas A&M University. He was the former executive vice president of S.A. Holditch & Associates, where he specialized in reservoir engineering for unconventional gas reservoirs. He served as an Academic Engineering Fellow with the US Securities & Exchange Commission (SEC) in Washington during 2007-2008, and was principal architect of the modernized SEC rules for reporting oil and gas reserves.

Prior to beginning his career in academia, Lee managed Exxon’s Major Fields Study Group. He has written many technical papers and three SPE textbooks: Well Testing, Gas Reservoir Engineering and Pressure Transient Testing. Lee is an Honorary Member of SPE and a member of the US National Academy of Engineering. He received his BChE, MS and PhD degrees in chemical engineering from the Georgia Institute of Technology.
SJV SPE Continuing Education

Chemical Enhanced Recovery

Instructors: Mojdeh Delshad

Date: May 29, 2013 – May 30, 2013 (8:00 am to 5:00 pm)
Location: University of Phoenix, 4900 California, Ave, Bakersfield, California.

Announcement:
SJVSPE is proudly offering Chemical Enhanced Recovery. This 2-day course is a review of the fundamental principles of displacement and phase behavior needed to understand chemical EOR methods. 1.6 CEUs (Continuing Education Units) awarded for this 2-day course.

Questions:
Please call Terry L. Kloth @ 661-398-5952 (office); 661-342-1068 (mobile) or e-mail TLKB@pge.com if you have questions or need additional information. For more details, also feel free to contact SPE directly: trainingcourses@spe.org.

Payment & Cost:
Payment can be made by credit card at the door on the first day of class (RSVP in advance by e-mail) or register & pay with a credit card via the SPE Website (below). The price of this course is $1,400 for members and $1,600 for non-members. A morning and afternoon snack and cold and hot drinks are included. Please note lunch is not included in this price.

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

Target Audience:
This course is designed for early-career petroleum, reservoir, production and facilities engineers, as well as managers, government officials and others who want to learn more about enhanced oil recovery.

Description:
This 2-day course is a review of the fundamental principles of displacement and phase behavior needed to understand chemical EOR methods. It provides an overview of four major types of chemical EOR, specific chemicals in each category, conditions under which they work and special problems encountered with each.

You will gain a better understanding of why EOR is used, greater awareness of the classifications of EOR methods, increased ability to judge which chemical EOR method is appropriate for a given reservoir and increased knowledge of how each chemical EOR method works.
Chemical Enhanced Recovery

Topics include:

- Displacement fundamentals
- Polymer flooding
- Conformance improvement methods
- Surfactant/polymer flooding
- Surfactant/polymer optimization
- Alkaline/surfactant/polymer flooding
- Chemical flooding of carbonate reservoirs
- Commercial simulators for CEOR

Instructors:

Mojdeh Delshad is an associate research professor of petroleum and geosystems engineering at the University of Texas at Austin. Delshad has more than 20 years of work experience in chemical flooding. She has worked extensively on the development and application of reservoir simulators for enhanced oil recovery processes, and is currently in charge of development and user support for the University of Texas' chemical flooding oil reservoir simulator.
SJV SPE Continuing Education

“ASME B31.3 Process Piping”

Instructor:  Mr. Glynn Woods

Date:       May 20-23, 2013 (8:00 am to 5:00 pm)
Location:   University of Phoenix, 4900 California, Ave, Bakersfield, California.

Announcement:

SJV SPE 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. A hard copy of the B31.3 Process Piping code will be included for each student.

Questions:

Please call Terry L. Kloth @ 661-398-5952 (office); 661-342-1068 (mobile) or e-mail TLKB@pge.com if you have questions or need additional information.

Payment & Cost:

Payment can be made by check at the door on the first day of class (RSVP in advance by e-mail) or register & pay with a credit card via PayPal (below). The course is limited to 35 students. The price of this course for SPE members is $2,100 and for non - members is $2,200 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:

SPE Members:  https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=DD6BMQAD2CSUW

Non-SPE Members:  https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=SBUT48FA8X2EU

RSVP:  Please RSVP to pamala@wziinc.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 B31.3 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
“ASME B31.3 Process Piping”

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 B31.3 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 their lap tops and a calculator.
Announcing the SPE SJV Section Monthly Networking Bash

The February Sponsor is Weatherford.

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Thursday, February 28th, 2013
5:30-7:30 @
Lengthwise Brewery “The Pub” - Northwest
2900 Calloway Drive

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
As the sponsor of the January SPE Networking Bash, The SPE San Joaquin Valley Section Board Member’s would like to thank all who attended.

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.

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Oil Price ($/bbl)

- 140
- 120
- 100
- 80
- 60
- 40
- 20


MWSS

WTI

- 0

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

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

How to Apply:

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

EOE, M/F/D/V
To All of our Generous Sponsors in 2012,

On behalf of the Society of Petroleum Engineers, the golf committee wishes to thank you again for your valued sponsorship of our tournament held on March 23rd, 2012. This year we were able to raise close to $16,000 for our scholarship program. This was a significant contribution to the $50,000 total we will be giving out to local college students in June from our community, who will be our future in the oil industry. Without your participation, this would not be possible.

Thank You for Your Sponsorship,

The 2012 SPE Golf Committee
Advising Order Form for the monthly newsletter of the
San Joaquin Valley Section of Society of Petroleum Engineers
SJV Section of SPE, PO BOX 21135, Bakersfield, CA 93390
sjv.spe.org
Taxpayer ID# 75-2001539

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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

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<th>E-MAIL</th>
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<tbody>
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<td>Oxy of Elk Hills Inc.</td>
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<td>Aera Energy LLC</td>
<td>(661) 281-5713</td>
<td>BM <a href="mailto:Miron@aeraenergy.com">Miron@aeraenergy.com</a></td>
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<td>Petrotechnical Resources</td>
<td>(907) 230-9840</td>
<td><a href="mailto:twalsh@petroak.com">twalsh@petroak.com</a></td>
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