Thanks to SPE SJV Scholarship Committee for their review of scholarship applications and making the tough decisions on so many wonderful applicants.

Tom Hampton

SPE SJV Community Outreach Chair

Many Thanks to the SPE members for their support of the SPE events. Your funds go towards helping students interested in oil and gas industry.

Gaurdie E. Banister Jr., President and CEO of Aera Energy LLC
Dear Members

I would like to begin by thanking our previous chair Blythe Johnson for her inspirational leadership and a special thanks to Jesse Frederick who completes his assignments with the board. Jesse, a longtime veteran board member, provided support and service, which included allowing the outstanding volunteerism of the WZI Inc. staff, to the board throughout his years of service and he will be greatly missed. I hope we continue to provide the level of service he brought to the board in the future years.

Please welcome our newest board members - Gihan Abeidi (Schlumberger), Patrick Niebuhr (Halliburton), Allison Escovedo (E&B Resources), Roman Omelchenko (CRC) and Jared Paddock (Chevron) and wish our outgoing members Tara Butler, Matthew Minemier and Cenk Temizel the very best. It is my great pleasure and honor to introduce your 2015-2016 board members.

This year we will continue to strive to be the best SPE section in the world by continuing to increase our involvement in the community, membership activities, and educational activities. More than ever, we need your support and participation if are to achieve this goal. We are continually looking for ways to improve all of our activities and events and would appreciate suggestions and/or ideas.

I would also like to encourage our members to continue their involvement in SPE events and activities. I would like to encourage our members to volunteer for our events throughout the year such as Engineering Day in February and the Golf Tournament in April. It is our volunteers and members that make our events successful.

Until next month,

Sincerely

Your SJV SPE 2015-2016 Chair,

Pamela Willis
## SJV SPE Board of Directors 2014-2015

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<td><a href="mailto:csub.spe@outlook.com">csub.spe@outlook.com</a></td>
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June’s Lookback: SPE SubSurface Meeting, June 25, 2015 Lunch at the Petroleum Club

Topic: Groundwater Monitoring at Produced Water Impoundments
Speaker: David Herzog – Hydrogeologist – Schlumberger Water Services
Hello SPE members, I am Luckhibir Kooner, the new President of SPE San Joaquin Valley Student Chapter at California State University, Bakersfield (CSUB) for 2015-2016. I am thrilled to present our new executive board. We are each entering our senior year at CSUB in Engineering Sciences with an emphasis in Petroleum Engineering. Our Vice-President is Jacob Wright; he is doing research on campus in Petroleum Engineering. Dalton Thornsberry is our treasurer; he has interned in the petroleum industry. The very capable Megan Mantas is our secretary, she has held executive positions in other clubs on campus. We have added two positions to increase membership interaction and document our events. William Baumann has the duties of membership chair; he looks forward to increasing membership at CSUB. Jose Olivarez is our historian; he will document all CSUB SPE events. Although our chapter is fairly new, we, as a team, are excited to continue its growth. With the help from our faculty advisor, members, engineering faculty, and our local SJV SPE chapter, we are confident in our abilities to help SPE SJV Student Chapter at CSUB and our petroleum program at CSUB grow.

New Executive Board

From Left: William Baumann (Membership Chair), Dalton Thornsberry (Treasurer), Megan Mantas (Secretary), Jacob Wright (Vice-President), Luckhibir Kooner (President), Jose Olivarez (Historian)
Our chapter was founded in 2013, during the time the petroleum engineering emphasis was added to the CSUB curriculum. Kern County provides employment to two major industries: agriculture and energy (oil and gas). In our two years of existence, the chapter has made a major impact on our members. We have held many technical presentations from local professionals in the industry. These presentations have given guidance to our members, introducing them to various career pathways. We have also hosted engineering career days on campus. Through these events, our current students and alumni members have been recruited for internships and employment within the oil and gas industry.

We will take the positive aspects of the previous board and incorporate them into our foundation. As we take these new positions, we will continue to look for more ways to improve our chapter. One aspect is to increase our membership, by connecting with incoming freshmen and transfer students. Also, we plan to network within the community to connect with local industry professionals to learn how to become more involved. In addition, we plan to volunteer at many local events to help serve our community.

Each board member has set goals to maintain success. In order to thrive in the industry, one must be current in their information about the industry. We propose to increase the number of technical presentations by professionals in the industry. We also plan to organize industry tours in facilities, local fields, and some of the California offshore platforms.

Our main focus is to see our members succeed. During the school year, we will hold study sessions and mentor the incoming freshmen. To guide our members towards a career, we will hold resume and LinkedIn workshops. We hope for involvement from local companies to support our efforts in these workshops. Currently, we are planning two engineering career fairs on campus. These career fairs are aimed to aid all engineering majors studying at CSUB.

To accomplish our goals, we are holding fundraising events. We are optimistic that we can get donations from local companies and have externally funded events and tours. We want every member to have a chance to attend all events without cost. This will be accomplished by fundraiser events, interaction of local companies and the advice from SPE chapters. We are excited to be part of this new time for CSUB and SPE. We look forward to serving our local community and CSUB students.

I would like to thank you for your time, and if there are any questions about our SPE chapter at CSUB or have ideas about tours, presentations, or fundraising, I encourage you to contact me at LuckyKooner@gmail.com or CSUB.SPE@outlook.com.

Thank You,

Luckhbir Kooner
2015-2016 President
SPE SJV Student Chapter
ENERGY FOR CALIFORNIA
BY CALIFORNIANS

California Resources Corporation (CRC) is the largest oil and natural gas producer in the state on a gross-operated basis. CRC has operations at the Elk Hills Field in Kern County, the Wilmington Field in Long Beach and other fields in the Los Angeles, San Joaquin, Ventura and Sacramento basins.

We are proud to support the San Joaquin Valley Section Society of Petroleum Engineers.
Now that **oil prices** are at rock bottom,

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**Oil producers** should consider utilizing downhole rod pumps that stay in the ground **300%** longer.  
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Design with community in mind
Please use the paypal links to register for either, or both, of these classes, by no later than August 5th”

“Drilling Engineering Overview for Non-Drilling Engineers”

Instructor: Ms. Val Lerma, P. E.

Date: August 18th, 2015 (8:00 am to 5:00 pm)

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

Announcement:
SJVSPE is proudly sponsoring this course, designed as an introduction to basic drilling concepts. Students will leave the course with a basic understanding of the processes involved in the drilling of oil and gas wells.

Questions:
Please call Craig Pauley @ 661-391-4360 (office); 661-496-0707 (mobile) or e-mail Craig-Pauley@chevron.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 30 students. The price of this course for SPE members and non-members is $550 per person. Lunch, including sodas and dessert, is included.

PayPal Link: Drilling Engineering Overview

RSVP: Please RSVP to CraigPauley@chevron.com

Target Audience:
Drilling is a complex process, involving many different technical professionals and functions. Understanding how a well is drilled is important for many technical professionals working within the oil and gas industry. This course is intended for individuals with little to no prior drilling experience, who will benefit from learning more about the drilling process. The target audience for this course includes engineers, geologists, administrative staff, environmental specialists, legal professionals, analysts, service and sales personnel, landmen, and entry-level drilling personnel.

Course Outline:

Laying the Groundwork
• People
• Permits
• Rig Components

Drilling Fluids
• Functions
• Properties
• Treatment and Diagnostic Tools
• Solids Control Equipment

Cement
• Language of Cement
• Tools
• Additives
• Types of Cementing Procedures
• Calculations

Bits
• IADC Code
• Rate of Penetration
• Grading
• Economics

Casing Design
• Types and Connectors
• Design Criteria
• Sizes and Depths

Directional Drilling
• Overall Planning
• Deflection Tools
• Directional Measurements

BP Deepwater Horizon Investigation
• Cement
• Well Control
• Equipment Failure
Please use the paypal links to register for either, or both, of these classes, by no later than August 5th.”

“Drilling Engineering Overview for Non-Drilling Engineers”

Instructor Biography:

Val Lerma has 30 years’ experience in the oil and gas industry, and is a California registered professional petroleum engineer. Upon graduating with her BS PTE Magna Cum Laude from University of Southern California, Ms. Lerma worked for Chevron as a drilling foreman, drilling engineer, reservoir engineer, and development planning engineer for various L.A. Basin and Ventura onshore and offshore fields. She subsequently spent 15 years with Troy Consulting working on production, reservoir, and drilling engineering projects for PXP, Chevron, Aera, Veneco, Santa Fe Resources, USC, and others in the L.A. Basin, San Joaquin Basin and Ventura fields.

For eight years, Ms. Lerma has worked for Orchard E&P, LLC and Orchard Petroleum, Inc. As Engineering Manager, Ms. Lerma managed drilling programs at Belridge, Sac Basin, Lost Hills, and Belgian Anticline, including services and rig bid requests and evaluation, AFE and drilling program preparation, ongoing efficiency analysis, and troubleshooting. She prepared/coordinated permit approval for drilling, CEQA approval (California Environmental Quality Act) for drilling, injection project (UIC) permits for disposal (Tulare) and waterflood (Diatomite). She managed compliance with OSHA and Cal OSHA regulations including preparation and maintenance for IIPP (Illness, Injury Prevention Plan), maintenance of OSHA 300 log, online training, field inspections, quarterly meetings, pre-job safety meetings, Spill Prevention Plan, Hazardous Materials Plan, Dust Control Plan. She also evaluated properties for acquisition.

She then served as President and was on the Board of Directors (2008-2012) of Orchard Petroleum until the company was sold in June, 2012. Subsequently, Ms. Lerma served as Business Development Manager for the newly formed Orchard E&P, LLC. She joined InterAct, an engineering service company, in November, 2014, and currently serves as their Engineering Manager.

Ms. Lerma also has her MBA from California Lutheran University and her MS PTE from University of Southern California. She spent seven years teaching graduate and undergraduate Drilling Engineering at University of Southern California through the Distance Educational Network for worldwide students. She has participated in PTTC and SPE seminars and technical meetings, authored several technical papers, and served on the SPE board in Ventura.

Special Requirements: Participants should bring a standard calculator
Please use the paypal links to register for either, or both, of these classes, by no later than August 5th”

“Primary and Remedial Cementing Equipment, Techniques, and Evaluation”

Instructor: Ms. Val Lerma, P. E.

Date: August 19th, 2015 (8:00 am to 5:00 pm)

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

Announcement:
SJVSPE is proudly sponsoring this course, designed as an introduction to basic cementing concepts. Cementing is used in the oil and gas industry to isolate zones (which prevents migration of fluids), to seal and protect casing, to control well formation pressure, and to plug and abandon wells. Attendees will leave the course with a basic understanding of both primary and remedial cementing methods. Participants will also have a basic understanding cement evaluation tools and methods

Questions:
Please call Craig Pauley @ 661-391-4360 (office); 661-496-0707 (mobile) or e-mail Craig-Pauley@chevron.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 30 students. The price of this course for SPE members and non - members is $540 per person. Lunch, including sodas and dessert, is included.

PayPal Link: Primary and Remedial Cementing

RSVP: Please RSVP to CraigPauley@chevron.com

Instructor Biography:
Ms. Lerma's biography is presented with the “Drilling Engineering Overview for Non-Drilling Engineers” class.

Course Outline:
• Basics: Cement objectives; Properties of cement; Testing; Cement additives
• Types of Cementing: Primary; Stage cementing; Squeeze cementing; Balanced plug; Top job
• Cement Calculations: Cementing terms; Additives and mix water; Primary cement volumes; Displacement volumes; Balanced plug calculations
• Cement Equipment: Surface equipment; Casing jewelry; Interface with rig equipment
• Best Practices: Centralization; Mud conditioning; Annular fluid velocity; Pipe movement; Spacers and flushes
• Case History: Lost Hills field-intermediate and production casing
• Cement Evaluation: Pressure test; Water shut off tests; Temperature surveys; CBL
• Summary and Conclusions

Target Audience:
Understanding cementing concepts is important for many technical and non-technical professionals working within the oil and gas industry. This course is intended for individuals with little to no prior cementing operational knowledge, who will benefit from learning more about the cementing process. These would include engineers, and other oil & gas professionals, who require a fundamental overview of cementing operations.

Special Requirements: Participants should bring a standard calculator
Production Decline Analysis—Vertical and Horizontal Wells

2-3 September 2015 :: 0800–1700

University of Phoenix
4900 California Avenue
Bakersfield, CA 93309

Attendees of this course, offered in both 2-day and 3-day versions, will learn the Arps equations, the effects of layering and changing fluid properties on the Arps exponent, and comparing production characteristics of horizontal to vertical wells. Interpretation of performance curves to determine drive mechanisms, recovery efficiency, and effects of operations will also be covered.

Topics Include:

- The utility of the quadratic equation
- The Fetkovich type curve approach
- The Blasingame type curve approach
- The Poe type curve approach for horizontal wells

The participant will become acquainted with the Arps, Fetkovich, Blasingame, and Poe decline curve analysis techniques. Assumptions and limitations of each analysis method are covered. Example and work problems are included to amplify salient points.

Learning Level: Intermediate

Course Length: 2 Days

Why Attend? You will learn the meanings and limitations of the Arps exponential, hyperbolic, and harmonic equations.

Who Should Attend? Professionals who work in production data processing as it relates to reservoir description and dynamics.

Instructor:

Steven W. Poston

is a professor emeritus at Texas A&M University with over 45 years’ experience in the petroleum industry. His vast career includes reservoir engineering and decline curve analysis, teaching, and consulting in the US, Middle East, Africa, Latin America, and Russia.

Poston is a member of SPE and has served on numerous committees including the committee on rewriting the seven-volume Petroleum Engineering Handbook. He co-authored many technical papers and presented over 41 at various university and technical meetings. He is also co-author of Overpressured Gas Reservoirs with Robert R. Berg and Analysis of Production Decline Curves with Bobby D. Poe Jr.

Poston received his BSc and ME degrees in geological engineering and his PhD in petroleum engineering from Texas A&M University.

Find out more and register at http://www.spe.org/training/courses/PND.php
Basic Pressure Transient Test Analysis

26-27 Oct 2015 :: 0800–1700

University of Phoenix
4900 California Ave.
Bakersfield, CA 93309

This course teaches the systematic analysis and design procedures for testing pressure buildup and flow tests. Example applications focus on identifying the appropriate reservoir model, estimating effective formation permeability, and quantifying damage or stimulation.

Topics include:
- Semilog analysis methods
- Type curves and diagnostic plots
- Gases and multiphase flow
- Average drainage area pressure
- Horizontal wells
- Well test design

At the end of the course, participants should understand:
- Naturally-fractured reservoirs
- Hydraulically-fractured wells
- The effects of input data errors

Learning Level: Introductory
Course Length: 2 Days

Why Attend? This course will provide you with an understanding of the fundamentals of buildup and flow test analysis—an understanding that will provide insight into the strengths and limitations of the methodology used in modern commercial pressure-transient test analysis software.

Who Should Attend: This is a basic course in well test analysis and design, suitable for engineers and physical scientists who have little if any background in well test theory or practice. It focuses on applications rather than theory.

CEUs: 1.6 (Continuing Education Units)

Find out more and register at http://www.spe.org/training/courses/BPT.php
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david.susko@bakerhughes.com

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