Inside this issue:

General Section Meeting 2
From the Chair 3
SPE Board Information 4
Lookback 5
Professional Spotlight 6
Networking Bash 7
Courses 9
Advertisements 16
General Section Meeting

Topic: Encapsulated Oil as an Additive to Water-Based Drilling Fluids

Speaker: Ray Nagatani, Solazyme

Date: Thursday, August 21, 2014 @ 11:30 AM

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

Cost: With online payment or RSVP: $25 members, $30 non-members
Walk-ins: $30 members, $35 non-members

Reservations: RSVP by Tuesday morning August 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 - $25

PayPal Link for Non-SPE Members - $30

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=_s-xclick&hosted_button_id=MBQQLAKXR3J48

Non-Members

https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=4MXF7JQJNSYP6

OR

Email Pamela Willis at PTWillis@aeraenergy.com or Call (661) 665-5449

ABSTRACT:

As the drilling industry moves towards extended-reach wells in more challenging formations, the need to identify operational solutions (e.g. drilling fluids/lubricity additives) to reduce friction, torque and drag has become more important. Additionally, as the industry looks to maximize the use of water-based drilling fluids (to benefit from lower drilled fluid costs and improved environmental profile), the need to find novel additives that can improve lubricity has become more pressing. Solazyme has developed a biotechnology platform that is able to produce and encapsulate non-toxic and biodegradable designer oils produced from sugar inputs for use as a targeted inhibitor in water-based muds that can improve operations in drilling horizontal wells.

SPEAKER:

Ray Nagatani is a Director of Product Marketing for Encapso™, an encapsulated drilling lubricant. He has presented on encapsulated lubricants at several Oil and Gas industry conferences, most recently at the SPE Western North America and Rocky Mountain Joint Conference and Exhibition. He holds a Ph.D. from the University of California, San Francisco.
Dear Members

Firstly I would like to thank everyone who participated in the Networking Bash Food Drive last month. We collected over 58lbs of food and donated $250 to Gleaners.

As we are in the middle of summer, many of us are probably doing a fair amount of traveling with our families. With a lot of people on the road, now is a good time to refresh ourselves on motor safety. Most of us are familiar with the Smith System and the five keys: Aim high in steering, Get the big picture, Keep eyes moving, Leave yourself an out, and Make sure they see you. These five keys are great reminders on how to drive safely and avoid accidents.

In addition to motor safety, I would also like to refresh everyone on the dangers of heat illness. Especially here in the valley, temperatures get over 100F and can cause a number of serious heat-related illness such as heat cramps, heat exhaustion, and heat stroke. I would advise everyone to follow basic safety steps when working outside such as staying hydrated, staying in the shade whenever possible, and taking frequent breaks to avoid putting yourself at risk.

**SPE News for August**

Integrated Sciences Group is offering a Subsurface Heat Management Workshop ([http://www.isgmax.com/sshm_training.htm](http://www.isgmax.com/sshm_training.htm)) on August 19-21, 2014. This workshop provides a great understanding of heat management principles and the tools to analyze and evaluate steam processes. Early this month there is the Fiber-Optic technology workshop ([www.spe.org/events/14asnd/](http://www.spe.org/events/14asnd/)) in San Diego. Then later this month SPE, AAGE and SEG come together for the Unconventional Resources Technology conference ([www.urtec.org](http://www.urtec.org)) in Denver Colorado with presentations on hydraulic fracturing, and shale reservoirs.

Sincerely

Your SJV SPE 2014-2014 Chair,

Blythe Johnson
<table>
<thead>
<tr>
<th>POSITION</th>
<th>NAME</th>
<th>COMPANY</th>
<th>PHONE</th>
<th>E-MAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section Chair</td>
<td>Blythe Johnson</td>
<td>Chevron</td>
<td>(661) 281-5713</td>
<td><a href="mailto:BlytheJohnson@chevron.com">BlytheJohnson@chevron.com</a></td>
</tr>
<tr>
<td>Program</td>
<td>Pamela Willis</td>
<td>Aera Energy LLC</td>
<td>(661) 869-5790</td>
<td><a href="mailto:PTWillis@aeraenergy.com">PTWillis@aeraenergy.com</a></td>
</tr>
<tr>
<td>Membership</td>
<td>Tara Butler</td>
<td>Enova Solutions</td>
<td>(661) 327-2405</td>
<td><a href="mailto:Tbutler@enovaes.com">Tbutler@enovaes.com</a></td>
</tr>
<tr>
<td>Secretary</td>
<td>Jeff Kim</td>
<td>Oxy Inc.</td>
<td>(661) 412-5507</td>
<td><a href="mailto:Jeff_kim@oxy.com">Jeff_kim@oxy.com</a></td>
</tr>
<tr>
<td>Treasurer</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>Surface Study Group</td>
<td>Indar Singh</td>
<td>Aera Energy LLC</td>
<td>(661) 665-5243</td>
<td><a href="mailto:ISingh@aeraenergy.com">ISingh@aeraenergy.com</a></td>
</tr>
<tr>
<td>Sub-Surface Study Group</td>
<td>Mojtaba (Reza) Ardali</td>
<td>Oxy Inc.</td>
<td>(661) 412-5536</td>
<td><a href="mailto:Mojtaba_Ardali@oxy.com">Mojtaba_Ardali@oxy.com</a></td>
</tr>
<tr>
<td>Newsletter Editor</td>
<td>David Susko</td>
<td>Baker Hughes</td>
<td>(661) 336-3408</td>
<td><a href="mailto:David.Susko@bakerhughes.com">David.Susko@bakerhughes.com</a></td>
</tr>
<tr>
<td>Newsletter Co-Editor</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Website Administration</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Continuing Education Program</td>
<td>Craig Pauley</td>
<td>Chevron</td>
<td>(661) 391 4360</td>
<td><a href="mailto:CraigPauley@chevron.com">CraigPauley@chevron.com</a></td>
</tr>
<tr>
<td>Continuing Education Arrangements</td>
<td>Rakesh Trehan</td>
<td>Oxy Inc.</td>
<td>(661) 391-1969</td>
<td><a href="mailto:Rakesh_Trehan@oxy.com">Rakesh_Trehan@oxy.com</a></td>
</tr>
<tr>
<td>Activities</td>
<td>Matthew Merrimer</td>
<td>Chevron</td>
<td>(661) 448-8405</td>
<td><a href="mailto:mmminemier@chevron.com">mmminemier@chevron.com</a></td>
</tr>
<tr>
<td>Community Outreach Education</td>
<td>Tom Hampton</td>
<td>Aera Energy LLC</td>
<td>(661) 665-5227</td>
<td><a href="mailto:TJHampton@aeraenergy.com">TJHampton@aeraenergy.com</a></td>
</tr>
<tr>
<td>Young Professionals Liaison</td>
<td>Orkhan Pashayev</td>
<td>Oxy Inc.</td>
<td>661-412-5173</td>
<td><a href="mailto:Orkhan_Pashayev@oxy.com">Orkhan_Pashayev@oxy.com</a></td>
</tr>
<tr>
<td>Award Nominations</td>
<td>Jesse Frederick</td>
<td>WZI Inc.</td>
<td>(661) 326-1112</td>
<td><a href="mailto:jfrdrck@wziinc.com">jfrdrck@wziinc.com</a></td>
</tr>
<tr>
<td>Western NA Regional Director</td>
<td>Tom Walsh</td>
<td>Petrotechnical Resources</td>
<td>(907) 230-9840</td>
<td><a href="mailto:twalsh@petroak.com">twalsh@petroak.com</a></td>
</tr>
<tr>
<td>Student Chapter Faculty Advisor</td>
<td>Dr. Dana Abouenasr</td>
<td>CSUB</td>
<td>(661) 654-2661</td>
<td><a href="mailto:dabouelasr@csub.edu">dabouelasr@csub.edu</a></td>
</tr>
<tr>
<td>Student Chapter President</td>
<td>Chris Reedy</td>
<td>CSUB</td>
<td>(661) 802-3058</td>
<td><a href="mailto:chris.reedy@live.com">chris.reedy@live.com</a></td>
</tr>
</tbody>
</table>
LOOKBACK for July 2014

David Susko speaking and handing out the SPE scholarship to the recipients. Twenty recipients were awarded SPE scholarship this year.

Guest motivational speaker Denise Winston with the attending scholarship recipients.

SPE Scholarship Luncheon Event
Meet Steve Sturgen, although if you have been to any local industry functions, you probably have already. Steve started with the industry 33 years ago working with Eastman Whipstock. He stayed with the company though 26 years and a number of name changes until it became Baker Hughes Inteq. He was involved with developing tools in the early stages of horizontal drilling and related technologies. After spending five years with Expro Americas as the Area Manager, he now works in sales for Pengo Wireline.

*SPE SJV*: What part of your career have you enjoyed most?

Steve: I enjoyed it all on some level, whether it was a great place to live or work or an interesting project to work on. Even though it was a circus, I liked my early days in the Rockies because it was new and exciting. I liked Ventura because it was Ventura. Initially working on the slope in Alaska was horrible because I was developing new tools for CT Drilling, but it was interesting to work on the cutting edge of these new tools that would eventually change the scope of drilling on the slope. So, even the tough times were invaluable. I consider the oil industry to be the love of my life, but it has been a love-hate relationship at times (He smiles).

*SPE SJV*: What steered you towards the oil industry?

Steve: I was born and raised on a farm in upstate New York. I learned the value of hard work, but I also learned that I did not want to be poor, spend my life on a farm, or living in New York. After high school, I went to Potsdam University where I studied Geology. I still keep in touch with many of my professors.

*SPE SJV*: What are your thoughts on your current role in sales?

Steve: I’m not sure if I would consider what I do to be true sales, but whatever I do it seems to work. The most important thing to have in this role is integrity, especially when there is a problem. It is best to admit to a mistake early on, because your relationship with the customer will be better for it in the long run.
Announcing the SPE SJV Section Monthly Networking Bash

The August Sponsor is

[Logo]

Thursday, August 27th, 2014
5:30-7:30 @
Location to be determined

SPE Networking bashes are held monthly as a service to our members.
This is a great opportunity to come out and meet people from all areas of our industry in a social setting.

Our sponsor generously provides appetizers for your enjoyment while you are meeting new people or visiting with a longtime colleague.

Non-member guests are always welcome to attend.
RSVP to Matthew Minemier @ mminemier@chevron.com or 661-529-0597
The SPE SJV Section would like to thank everyone that came to the July Networking Bash to support the Golden Empire Gleaners!

The SPE SJV Section collected 58.55lbs of food and $250 in cash!

We are always looking for companies or individuals that would like to sponsor this event.
For additional information please contact Matt Minemier @ 661-529-0597

---

### Chevron 13 API Crude Price
(Daily Posted Price)

![Graph showing the price of Chevron 13 API crude oil over time. The graph includes data points for each month from 2002 to 2014, with nominal prices ranging from $0 to $140 per barrel. The last change is noted as $99.94 on 06/05/14 with a change of $-0.64. The annual average is highlighted.]
SPE Workshop

Improved and Enhanced Oil Recovery in Offshore Environments

20-21 August 2014
The Langham Huntington Hotel
Pasadena, California, USA

Limited Slots Available! Register Now!
Early Registration Deadline: 23 July 2014

In the drive to reduce unit development costs and maximize estimated ultimate recovery (EUR) in offshore assets, some operators are trialing improved oil recovery/enhanced oil recovery (IOR/EOR) techniques with varying success. If this technology application is successful, it could change the game for offshore development and more specifically for deepwater assets. It could potentially enable radically new development concepts.

Challenges to successful application of EOR concepts in offshore environments are many and diverse. Primary concerns include:
- weight and space constraints
- well count
- availability and cost of injectants
- completions
- need for high reliability

Don’t miss this opportunity to exchange ideas and network with other professionals. This event will sell out so act fast!

For more information or to register for this event: Click Here
Data Driven Analytics for Reservoir and Production Optimization

Instructor: Andrei S. Popa, Ph.D.

Date: Tuesday, September 16th, 2014 (8:00 am to 5:00 pm)

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

Announcement:

SJVSPE is proudly offering Data Driven Analytics for Reservoir and Production Optimization. This one day short course is intended to cover the fundamentals of Data Mining (DM) and Artificial Intelligence (AI) techniques as applied to the oil and gas industry. This course is designed for engineers, geoscientists, technical managers, and engineering technologists who are interested in learning how to apply Data Mining and Artificial Intelligence techniques to solve complex optimization problems.

In this course you will learn:

- History and fundamentals of the Artificial Intelligence in the oil & gas industry
- Basics of Data Mining techniques and tools
- How to identify problems suitable for application of Data Mining
- How to define workflows and apply the appropriate tools

Questions:

Please call Craig Pauley @ 661-391-4360 (office); 661-496-0707 (mobile) or e-mail CraigPauley@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 the PayPal Website (below). The price of this course is $950. Lunch and beverages are included.

RSVP & Paypal Payment Link:

Data Driven analytics for Production and Reservoir Optimization

Target Audience:

Engineers, geoscientists, technical mangers, engineering technologists who are interested in learning how to apply Data Mining and Artificial Intelligent techniques to solve complex optimization problems, for day to day production operations as well as reservoir optimization and development.

Continued on next page......
**Description:**
This one day short course is intended to cover the fundamentals of Data Mining (DM) and Artificial Intelligence (AI) techniques as applied to the oil and gas industry. This course is designed to provide a solid foundation to those interested in learning how to use both basic and advanced intelligent tools in solving complex optimization problems. The attendees will first learn the theoretical background of AI&DM tools including clustering techniques, neural networks, genetic algorithms, fuzzy logic and case-based reasoning. Then, they will be introduced to a suite of real world production and reservoir optimization cases and the solutions developed using single or hybrid Artificial Intelligence tools. The course wraps-up with a demonstration of a problem set-up, methodology workflow and proposed solution.

**Course Content:**
- Data Mining and Artificial Intelligence overview
- Clustering Techniques (Hard C-mean, Fuzzy C-mean, ACO, etc)
- Neural Networks, Genetic Algorithms, Fuzzy Logic, Case-Based Reasoning
- Hybrid Intelligent Systems
- Review of practical industry applications (optimization, pattern recognition, forecasting)

**Instructor:**
Dr. Andrei Popa has over 14 years of experience applying Artificial Intelligence technologies to complex optimization problems in the energy industry. He has published more than two dozen papers on the subject, and most recently co-author the book “Artificial Intelligence & Data Mining (AI&DM) Applications in the Exploration and Production Industry”, part of SPE's "Get Up To Speed" Series. Andrei’s service within industry organizations has earned him several awards including the 2011 SPE “Management and Information Award” for Western North America Region, and the international SPE version of the same award, in 2013. He is a Technology Advisor for the Applied Reservoir Management team at Chevron’s San Joaquin Valley Business Unit. Since joining Chevron in 2002, Andrei has had multiple assignments including production and reservoir engineer, special projects lead engineer, and subsurface team lead. Since 2009 he has taught “Applied Reservoir Engineering” and “Natural Gas Engineering” at University at Southern California, and served as a guest lecturer for several course within the “Smart Oilfield” program.

Dr. Popa earned his Ph. D. and M.S. degree in Petroleum and Natural Gas Engineering from the West Virginia University and he holds a B.S. degree in Petroleum and Natural Gas Engineering from the University of Ploiesti.
Understanding and Applying Logs – Intro to Petrophysics

Instructor: Mr. Gary Batcheller, GWB Consultants
Date: October 6th-8th, 2014  (8:00 am to 5:00 pm)
Location: University of Phoenix, 4900 California Ave, Bakersfield, California.

Description:
The first two days of this 3-Day workshop will illustrate log responses to rocks and their fluids. Once these simple relationships (common throughout the world) are understood, you will be able to easily recognize permeability, hydrocarbons, and rock and fluid types. The workshop will include:

• Finding permeability and salt water from resistivity logs
• Fluid and rock type identification from “porosity” logs
• Hydrocarbon identification and net pay estimations
• “Interpretation at a glance” techniques
• Gas and clay/shale effects on logs
• Uses and the limitations of open hole logs
• Heavy oil examples
• Steam injection temperature surveys

The third day illustrates techniques for recognizing log validity and provides additional information on log limitations. These easy-to use procedures will help participants determine the reliability of log data. This data is often used in making important and costly decisions. This day has been updated to include an introduction for the evaluation of rocks with organically rich materials and with extremely low permeability. These potential reservoirs are often referred to as a resource plays or “shales”.

The overall production for these reservoirs depends upon the success of fracture treatments and a section has been included for the introduction to rock mechanics in both vertical and horizontal wells. In addition, current completion techniques for fracturing horizontal wells will be discussed. Professional staff and managers will find this workshop essential to decision making. The third day will include:

• Using various techniques including offsets to validate logs
• Individual log checks and limitations
• Source rock/reservoir or resource play Interpretation – aka “Shales”
• The “Shale” revolution and introduction to rock mechanics
• Introduction to horizontal completion techniques – How successful are they?

Comments from previous workshops include: “Excellent overall descriptive review of open hole logs – Done in a concise practical manner”, “It’s practical applications – Good job on being concise and to the point”.
Understanding and Applying Logs – Intro to Petrophysics

Target Audience: All professionals involved in the application of logs in the oil and gas industry can benefit from this workshop. Techniques will be presented to ensure students that they will be able to make professional decisions using logs. Both technical and non-technical personnel have benefited from these techniques. For those involved in completions, this will help them gain more understanding into how those work, in conjunction with rock properties. A complete workbook and actual log examples will help the student to interpret and understand the uses of logs. Practical exercise will enable you to learn these techniques easily and make better decisions immediately. Over 3,000 personnel in the industry have made better decisions and saved money using techniques from this program.

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 the PayPal Website (below). The price of this course is $2,250. Lunch and beverages are included.

RSVP & Paypal Payment Link:
PayPal Link for Understanding and Applying Logs - Intro to Petrophysics

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 including - Award for Distinguished Contribution to Petroleum Engineering in the Area of Formation Evaluation 2011.
Evaluating Cement Integrity – Using today’s Logs

Instructor: Mr. Gary Batcheller, GWB Consultants

Date: October 9th & 10th, 2014 (8:00 am to 5:00 pm)

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

Description:
This 2-Day workshop will illustrate the application of cement logs for cement evaluation which is essential to consistently successful decisions. Highly deviated to horizontal logs are part of the focus. Actual log examples are utilized to illustrate and practice with different type of logs and allow a comparison for log quality. Evaluation using easy applied interpretation techniques and making squeeze or no squeeze decisions. Included are practical guideless for the successful evaluation of cement integrity. The workshop will include:

- Effects of quality control and the CBL’s undoing
- Reliable interpretation techniques
- High angle and horizontal unique problems
- Mud removal techniques discussed
- Radial acoustic logs with 8 to 16 measurements
- New Technology – its value and limitations
- Identifying Potential problems with cement integrity
- The use of open hole logs to enhance CBL/VDL interpretation
- Understand new interpretation techniques available for light weight, or complex cements

Questions: Please call Craig Pauley @ 661-391-4360 (office); 661-496-0707 (mobile) or e-mail CraigPauley@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 the PayPal Website (below). The price of this course is $1,630. Lunch and beverages are included.

RSVP & Paypal Payment Link: PayPal link for Evaluating Cement Integrity

Target Audience:
This workshop will apply to those professional involved in cementing, completions and work-over operations. California has more foam or light weight cements pumped than in any other part of North America, and its unique evaluation problems are detailed. Many examples are used to help students evaluate log quality and practice evaluation techniques. Over 2,200 personnel in the oil and gas industry have made better decisions and saved money, employing techniques from this workshop.

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 over 275 companies worldwide and authored three papers including “Cement Evaluation Challenges in Horizontal Wells – Guidelines for Providing Meaningful Data” SPE 164513 on 23-26 March 2013 and two on the evaluation of lightweight cement. He has developed simplified and practical techniques to enable industry professionals to better understand logs and their applications. He holds BS degree in Physics from Texas Technological University. He received two SPE service awards including - Award for Distinguished Contribution to Petroleum Engineering in the Area of Formation Evaluation 2011.
“Introduction to API Storage Tank Standards”

Instructor: Mr. John Cornell

Date: November 4-6th, 2014 (8:00 am to 5:00 pm)

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

Announcement:

SJVSPE is proudly sponsoring the – “Introduction to API Storage Tank Standards”. This is an intensive three day course which is designed for petroleum industry personnel, Facility Engineers, Project Engineers and Managers, suppliers, engineering firms, and operating personnel and contractors responsible for the design, construction, inspection, maintenance, regulatory, compliance, or operation of both large and small above ground storage tanks. A complete set of course materials are provided in a binder for each student.

Questions:

Please call Craig Pauley @ 661-391-4360 (office); 661-496-0707 (mobile) or e-mail CraigPauley@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 price of this course for SPE members and non-members is $1,510 per person. Morning and afternoon snacks, cold and hot drinks, and a light lunch is included,

PayPal Link: API Tank Class November 2014

RSVP: Please RSVP to CraigPauley@chevron.com

Target Audience:

Facility Engineers, Facility Engineering Supervisors, Construction Engineers, Operational personnel, Supervision, Piping engineers, Contractors, Suppliers, designers, Project Engineers, Project managers, and anyone whom would like a better understanding Refining and Production Tanks.

Course Outline:

Day One: Large Atmospheric Tanks (API-650) - Tank introduction, Materials, Design, Fabrication, Construction, External/ Internal floating roofs, Marking, and additional design and construction details.

Day two: Existing Tank Evaluation (API-653) – Introduction to tank failures, Brittle fracture, Inspection drivers and considerations, Inspection types and schedules, Safety concerns around tanks, Failure (corrosion) types, etc.

Day three: Production Tanks (API -12F -12B) Tank Materials, Design, Fabrication. Also, (API-12R1), Inspection of field production tanks.

Instructors Biography:

Mr. John Cornell is a Senior Tank Specialist for and owner of H.I.R. Technical Services which is a well-recognized tank consulting firm for storage tank design, fabrication, construction, inspection, and repair. He is currently an Official contracted training provider for The American Petroleum Institute worldwide and has been offering tank training courses on standards such as but not limited to API-620, API-650, and API-653 for many years. Mr. Cornell has worked for several suppliers of both internal and external floating roofs and is now considered to be an expert on floating roof systems of all design. Mr. Cornell discovered a gap in the training that was currently available to tank owners so he has assembled and now offers “The Advanced Tank Training” course which is intended to increase the knowledge of tank owners. Mr. Cornell is The Senior Training Provider for The USDOT for PHSMA as relating to Large Breakout tanks. Mr. Cornell is also an API-653 Certified Tank Inspector.

Special Requirements: Lap Tops are “not required” and the students are discouraged from using lap tops or smart phones during class.
We match up the latest innovations with breakthrough thinkers to expand what’s possible. In Bakersfield, you’ll collaborate with the best in the industry on leading-edge projects like cogeneration, enhanced oil recovery, and digital iFields. 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? Learn more about Bakersfield engineering opportunities at chevron.com/BakersfieldJobs
At Zeeco, we understand the everyday realities of environmental compliance in the oil and gas production fields. Our enclosed flare systems achieve greater than 98% VOC destruction efficiency, meeting EPA Quad O regulations and keeping you in compliance. They operate safely, smokelessly, and with fewer service issues. From well site and tank vent flares to compressor and central gathering site flares, Zeeco delivers exactly what you need. Choose the combustion experts with the field experience to back you up and with the engineered, standardized flares and thermal oxidizers you need in inventory right now. Choose a company where humans answer the phone and where deadlines mean something.

Choose Zeeco.

open / enclosed flares • high / low pressure flares • thermal oxidizers • rentals

Zeeco, Inc. 22161 E. 91st St., Broken Arrow, OK 74014 USA
+1-918-258-6551 sales@zeeco.com zeeco.com

---

Note: 10% discount in August and September for SPE Members
Freeport-McMoRan Oil & Gas

Freeport-McMoRan Oil & Gas, formerly Plains Exploration & Production Company, is a wholly owned subsidiary of Freeport-McMoRan Copper & Gold Inc., a premier U.S. based natural resources producer. Freeport-McMoRan has oil and natural gas assets primarily in North America, including the Deepwater Gulf of Mexico, onshore and offshore California, the Rocky Mountain region, the Eagle Ford and Haynesville shale plays and the emerging ultra-deep gas trend onshore in Southern Louisiana and on the Shelf of the GOM.

CAREER OPPORTUNITY

SENIOR DRILLING ENGINEER

Plan and implement all phases of well drilling activities. Responsible for drilling engineering and operations for all wells in assigned areas. Responsible for designing vertical, directional & horizontal oil & gas wells. Responsibilities include not only planning, designing & executing the well construction program, but also administering day-to-day drilling operations in the assigned area. Some field work is necessary. Provides technical data, well research and cost estimates to drill to proposed total depth through running cementing the production casing in the most efficient and prudent manner. May be involved in completion and workover operations. Administers various plans, policies and programs related to drilling activities; work closely with contract crews to ensure efficient, safe operations; while keeping Drilling Manager advised on progress of drilling activities.

ESSENTIAL DUTIES AND RESPONSIBILITIES:
- Plan and implement all phases of planning and operations for wells drilled in assigned areas.
- Prepare cost estimates and AFE’s for the drilling of wells.
- Evaluate offset drilling data to build correlation packages for estimating well costs.
- Develop the well program for drilling.
- Assist in providing 24 hour supervision on well sites and direct the operations through appropriate field personnel.
- Actively participate in Operational Team consisting of Drilling, Land, Geology, Reservoir, Production, and EHS Personnel.
- Coordinate all necessary permitting requirements. Stay abreast of state and federal laws and regulations as applicable.
- Prepare work scope and evaluate the bidding of goods and services for drilling operations.
- Enforce E&P safety and environmental policies and procedures.
- Represent the Company’s Drilling Department at departmental and joint interest meetings.
- Process and route for correct filing field generated paperwork. Review, code and approve vendor invoices on a timely basis. Organize and maintain files on drilling operations.
- Interact daily with contract personnel, and time to time with federal, and state regulatory agencies.

POSITION SPECIFICATIONS:
- Must have a B.S. degree in Petroleum Engineering or related field
- 10+ years California experience in the oil and gas industry as a drilling engineer employed by major or Independent oil company required.
- Expertise in thermal drilling operations and directional & horizontal drilling is necessary.
- Field operations/rig supervision experience is an advantage.
- Experience with onshore drilling rigs. Deep water, barge, platform, jack-ups and floating drilling experience will be considered a plus.
- Previous field drilling experience is desirable.
- Must have a working knowledge of state and federal regulatory laws and regulations.
- Must be proficient with personal computers and spreadsheet software. Working knowledge of Windows, Excel, e-mail, database management and local area networks.
- Must be able to deal logically and effectively with all levels of management.
- Must be proficient with staff work including oral and written communications.

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. Sponsorship is not available. Visit our website to apply: www.fcx.com or to mail: Attn: Human Resources, 1200 Discovery Dr., Suite 100, Bakersfield, CA 93309 or Fax 661-395-5283 EOE, M/F/D/V
Our team just got 450 times better

With our 450 new team members from Processes Unlimited, we're expanding our oil & gas EPCM services in the United States. Together, our team of 1,800 is exploring new opportunities, and finding more creative ways to meet your needs.

Design with community in mind

Stantec
300% Increase in Downhole Pump Run Life

A recent Six Sigma Study shows 300% increase in downhole pump run life.

Watch this 2 minute video comparing a downhole pump with a conventional plunger vs. a FARR plunger, [Click here](#). You will be amazed.

By making one small change in your downhole pumps, you will experience:

1. Reduce rig count on lease.
2. Reduce personnel and vehicles on lease.
3. **Reduce Health & Safety incidents.**
4. Reduce Exposure to Environmental Spill Incidents.
5. Reduce Operating Expenses and Save your company Money.

You don’t even have to change your pump shop or pump supplier, just request a FARR Plunger in your next pump.

Muth Pump has been in business for more than 15 years and we have more than 15,000 FARR Plungers in wells in 17 states in the USA and in 10 different countries. It is proven technology that works.

Please visit our website [www.muthpump.com](http://www.muthpump.com) or give us a call for more information.

"By FARR, We Make Your Rod Pumps The Best In The Industry!"

---

**MUTH PUMP LLC**

4308 Resnik Court #206

Bakersfield, CA 93313

Office (661) 588-8700

Fax (661) 836-1512
APPLICATION FOR ACADEMIC EMPLOYMENT

Personal:

Name (Last) __________ First __________ Middle __________ Social Security Number: ____________________________ (Voluntary for Applicants)

Street Address: ___________________________________ City: __________________________ State: __________ Zip: __________

Home Telephone: __________ Message Telephone: __________

Do you have any existing physical or mental condition that would prevent you from performing the essential functions of the position for which you are applying? Yes _________ No _________

If yes, please describe this condition: ________________________________________________________________

Have you ever been dismissed from any teaching position? Yes: __________ No: __________

If yes, please explain: __________________________________________________________________________

If you have been convicted of a crime other than a minor traffic violation, you are required to discuss the nature of the offense with the personnel officer prior to employment. (Note: the existence of a criminal record does not constitute an automatic bar to employment.)

Degrees/Graduate Study:

<table>
<thead>
<tr>
<th>Type of Degree</th>
<th>Subject Major and Minor</th>
<th>Institution</th>
<th>City/State</th>
</tr>
</thead>
<tbody>
<tr>
<td>H.S. Diploma/GED</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Associate</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bachelor’s</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Master’s</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Doctorate</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other Grad Study</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Teaching Experience (most recent first):

<table>
<thead>
<tr>
<th>School or District</th>
<th>City/State</th>
<th>Teaching Assignment or Title</th>
<th>Full Time</th>
<th>Part Time</th>
<th>From (Mo/Day/Yr)</th>
<th>To (Mo/Day/Yr)</th>
</tr>
</thead>
</table>

Work Experience:
(With most recent first, list any relevant paid, unpaid or volunteer work experience for the position for which you are applying)

<table>
<thead>
<tr>
<th>School or District</th>
<th>City/State</th>
<th>Teaching Assignment or Title</th>
<th>Full Time</th>
<th>Part Time</th>
<th>From (Mo/Day/Yr)</th>
<th>To (Mo/Day/Yr)</th>
</tr>
</thead>
</table>

An Equal Employment Opportunity & Affirmative Action Employer
Armed Forces Service:

<table>
<thead>
<tr>
<th>Branch</th>
<th>Assignment</th>
<th>Total Months Service</th>
</tr>
</thead>
</table>

Other Professional Data:

<table>
<thead>
<tr>
<th>Major Teaching Field</th>
<th>Total Semester Units in Major</th>
<th>Minor Teaching Field</th>
<th>Total Semester Units in Minor</th>
<th>Total Years Teaching Experience</th>
</tr>
</thead>
</table>

List subjects credentialed to teach:

(1)  (2)  (3)  (4)

Specific areas of emphasis in academic major or technical/vocational specialty:

List other professional activities relevant to this position:

Credentials, Confidential Placement Papers:

<table>
<thead>
<tr>
<th>Types of California credentials now held</th>
<th>Authorizing community college services</th>
<th>Issue Date</th>
<th>Expiration Date</th>
</tr>
</thead>
</table>

Are you or have you ever been a member of the California Teachers’ Retirement System?  Yes____ No____
Has your credential ever been suspended or revoked?  Yes____ No____

Placement papers are on file with the following Placement Office:

<table>
<thead>
<tr>
<th>Address</th>
<th>City/State</th>
<th>Zip Code</th>
</tr>
</thead>
</table>

Under the name of:  Does the Placement Office require the College to request your placement papers?  Yes No
Have you requested your file be sent to the College/District?

Professional References:

(If not registered with Placement Office – include only those who have knowledge of your teaching or work experience.)

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>City/State</th>
<th>Telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Individuals selected for academic positions are required to complete the following PRIOR to employment:

* Sign a loyalty oath.
* Provide official transcripts.
* Provide evidence of eligibility to be employed in the U.S.
* Submit written verification of experience.
* Take and pass a physical examination at the District expense.
* Submit original credential(s), if appropriate.
* Provide proof of freedom of tuberculosis by X-ray or intradermal test at the District expense.
* Submit fingerprint cards (within 10 days of employment).

I HEREBY AUTHORIZE the West Kern Community College District to obtain personnel information from any previous employers or references.
I HEREBY CERTIFY that all statements made hereon are true and correct to the best of my knowledge. I understand that any false statements made on this application may be cause for non-employment or for dismissal, if employed.

Signature:_________________________ Date:_____________________