November 17th General Section Meeting

Topic:

**CO₂ Capture From Power Plants & CO₂ Distribution for Oilfield EOR**

**Speaker:** Dr. Michael Hsu, Ztek Corporation

**Date:** Thursday **November 17th, 2011** @ 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

**Reservation:** RSVP by **Tuesday morning November 15th**, using one of three options:

- Use 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-Members - $25

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

  **Members**
  [https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=SSKVZTZH4UR78](https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=SSKVZTZH4UR78)

  **Non Members**
  [https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=T4JPNBZUA3NDU](https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=T4JPNBZUA3NDU)

- OR

  **Email:** Max_Solanki@Oxy.com
  Call 661-412-5194

Walk-ins and attendees with email/phone RSVP must pay by cash or check at the door. **Sorry, no credit cards accepted at the door.**

RSVP no shows may be billed.
CO₂ CAPTURE FROM POWER PLANTS & CO₂ DISTRIBUTION FOR OILFIELD EOR

ABSTRACT:
The need for power industry to work closely with the petroleum industry to reach a balance between the supply and demand of CO₂ has reached a mature stage. The worldwide emphasis on the reduction of the Green House Gas (GHG) footprints has become the everyday practice even among the school children and entered the political agenda at the State and Federal levels for CO₂ capture by all polluters. On the other hand the benefit of CO₂-EOR for oil industry has taken a firm foothold in many major oil basins. This presentation will trace back to 1990’s the development of CO₂ reduction efforts in the power industry and financial industry. Many policy makers have taken surprising turn from antagonists to protagonists in recent years. Today, we can almost envision that a harmonious atmosphere will soon prevail among regulatory agencies; petroleum industry and power industry to allow clean technologies developed and expeditiously put in field use, which will help to restore the US energy independence and support the US economic recovery. Thus the following topics will be presented to stimulate the discussions and actions among the field experts at the onset of this historical turning point.

- U.S. FutureGen Program of the 21st Century and its derivative projects;
- CA Renewable Energy Initiatives in the 2000’s;
- CA Recent adaptation of Cap-and-Trade program (in favor of Petroleum Industry, while penalizing the old generation of power plants);
- CO₂ capture from Power Plants and CO₂ distribution for Oilfield EOR;
- Ztek’s ForwardGen System Introduction – Chemical Engineering’s Power Plant;
- Ztek’s ForwardGen Activities and Its Applications for O&G industry.

SPEAKER: MICHAEL S. HSU, PH.D.

Dr. Hsu performed his Ph.D. work at MIT specializing in MHD power generation. Thereafter, he visited the West German Nuclear Research Center for one-and-a-half years to further his interest in advanced energy conversion in conjunction with nuclear reactors.

Dr. Hsu joined the Lincoln Laboratory, MIT in 1973. From 1973 to 1976, as a staff scientist, he participated in mechanical engineering efforts in several defense projects: reentry systems, communication satellites, and energy related programs. He led technical teams in developing various devices critical to these missions. Since 1976 he has assumed the position as project leader in developing high-energy laser systems under the sponsorships of the Departments of Advanced Research Project Agency (DARPA), Army, Navy and Air Force. He has contributed to conceptualization through full-system implementation of these state-of-the-art systems. Therein he directed scientific teams utilizing advanced computer techniques in conducting system trade-off studies and performance optimization. Also, he has specialized in database management for resources, budget and schedule controls in conducting his administrative responsibilities. He has served on many program review committees related to high power laser systems and communication satellites, the fields that are vital to our nation’s security.

In addition to his deviations in systems related to defense applications, Dr. Hsu has also concentrated since 1974 on research projects that enable efficient conversion processes between fuel and electricity including the development of efficient and low emission reforming processes. His work has led to a practical engineering system from what was initially a laboratory concept.

In 1983 Dr. Hsu formed Ztek Corporation and has since devoted his efforts to promote the solid oxide fuel cell technology. Since founding Ztek, Dr. Hsu has directed the company’s fuel cell product development, generation of public interest through interactions with utility companies, the U.S. Departments of Defense and Energy, and the Electric Power Research Institute. The acceptance of such a system technology can drastically alter the energy planning strategy for the broad range of energy industries as well as defense applications.

In recent years, with the full establishment of Ztek planar cell configuration, stacking strategy and multi-column assembly, Dr. Hsu started the business preparations for Ztek by lining up manufacturing and industrial partners. By early 2009, customers for volume purchases were secured with low cost suppliers in place. During the above time period, Dr. Hsu has been able to explore the market places for Ztek to fit in three major industries: power generation; transportation fuel production and gas and oil enhanced recovery. These diverse industrial applications, primarily supported by the versatile equipment of a single platform, will give Ztek a long term sustained stability for growth. Furthermore, the renewable age has arrived; Ztek with its key alliances around the world has received orders exceeding 300MW for the coming 5 years. Major financial support is under negotiation and expected to close soon. Dr. Hsu has fully prepared his company in the clean energy industry for the 21st century.
From the Chair

Well, I have to e-byte my words from last month. The newsletter did not come out as a link, as previously thought. However, I have been pretty much assured that you will be reading this one from a link. My fingers are crossed. I understand from Max, that we will be going to a new SPE sponsored website for our San Joaquin Valley section news. Judging by Max’s enthusiasm, this is a good thing and will probably be something more convenient for our members. Seeing as my “tech savvy” is limited to email and fantasy football, I trust Max’s guidance and direction on this. Once this new website is up and running, be sure to send your comments into Max so that we can “tailor fit” this to our members.

I am sure everyone has paid their dues for 2012, but just in case you are that one person in a million that hasn’t, now’s the time. I know of a couple guys that were holding out in hopes of free prizes, like an i-Pad and an i-Phone, and even a few holding out for the grand prize of Cal football tickets, but those folks have finally realized it’s not going to happen and have paid their dues. Those Cal tickets were just too valuable to give away.

Andrei Popa and Young Kirkwood are doing a fantastic job in organizing our Western Regional Meeting here in Bakersfield in March 2012. Judging by the quality of papers submitted, dedicated committee members working various aspects of the conference, and leadership being displayed by the committee leads, this is going to be one of the best WRM’s ever. Opportunities to secure exhibit booths and requests for sponsorship of certain conference events, will be coming out soon. So if you or your company want to get a “heads up” on this, give Scott Myers a shout. His contact information is on the last page of this newsletter.

And last, but definitely not the least, I want to remind everyone to go see the 86th Annual Hijinks Show benefiting the R.M.Pyles Boys Camp at the Crystal Palace December 6th. Every year, Mike Handren and crew put on one of the best shows in town geared at our industry. And this year with the title “That DOG Won’t Hunt-And Other Tales of Woe”, this show ought to be a real “show stopper”. Details to get tickets (I hope) are in this newsletter, and if for some reason they are not, send me an email and I will send you information.

Until Next Month,
Larry Miller – 2011-12 SJV SPE Chairman
Message from the Chairpersons

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

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

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

Sincerely,

The 2012 Western Regional Meeting Chairpersons

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

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

From the SPE website,

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

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

**PARTICIPANT PROFILE**

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**JOB CLASSIFICATION**

- Consultant
- Educator
- Engineer
- Executive
- Geologist/Geophysicist
- Manager
- Researcher
- Sales
- Student/Undergraduate
- Superintendent/President
- Technician
- Other

**Advisement/Notes**

- Check here if you DO NOT wish to receive updates via email.
- Check here if you prefer NOT to receive information via paid from exhibitors.
- Check here if you need special assistance to fully participate.
- Check here if you have special dietary needs and list requirements.

**TECHNICAL DISCIPLINE**

- Drilling & Completions
- Environmental
- Health, Safety & Environment
- Management & Operations
- Reservoir Description & Dynamics
- Projects, Facilities, & Construction
- Production & Operations

**QTY**

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**TICKET PRICE PERSON REGISTERED EARLY & SAVED**

- Member: USD 900
- Nonmember: USD 400
- Student (with valid college ID only): USD 75
- Keynote Luncheon: USD 50

**REGISTRATION**

- 1 Day Registration. Includes those items for the specified day. Does NOT include Proceedings, Keynote Luncheon or Awards Luncheon

**ADDITIONAL TICKETED ITEMS**

- USD 50: Additional Proceeding, Member
- USD 75: Additional Proceeding, Nonmember
- USD 50: Member: Keynote Luncheon/Keynote Luncheon Thu
- USD 50: Member: Awards Luncheon Thu
- USD 20: Field Trips to Vegas
- USD 20: Site Visits to Maui
- USD 10: Hotel Transportation
- USD 20: Special Dining
- USD 10: Special Club Lunch
- USD 10: 2-Day Training Course

**TOTAL USD**

**PAYMENT OPTIONS**

- Advance registration requires payment. Forms received without payment will not be processed.
- Payment: Endorse (Make checks payable to: SPE)
- American Express
- MasterCard
- Visa
- Discover (Non-deductible)
- Check/Money Order

**Contact Information**

- **Online:** http://www.spe.org/events/wrm/2012/
- **FAX:** +1.888.581.2500
- **MAIL:** SPE, 222 Paleodites Creek Drive, Richardson, Texas 75080
- **TEL:** +1.972.852.9292
- **EMAIL:** registration@spe.org

**Wire Transfer:**

If you wish to make payment by wire transfer, email registration@spe.org and reference the 2012 SPE Western Regional Meeting. Please have your bank include your name and credit 2012WM.

**Cancellation Policy:** Cancellations must be received in writing prior to 5 March 2012 for you to receive a refund. No refunds offered after 5 March.
Letter from a 2010-2011 Scholarship Recipient

Dear SPE-SJV Section,

Thank you so much for honoring me with the $1,000 San Joaquin Valley SPE scholarship. I have already put the money to good use buying textbooks. Again, thank you very much for the generous scholarship.

Elizabeth Sande
SPE Surface Study Group Lunch

Experience with Multiphase Pumping
in a California Onshore Heavy Oil Application

Date: Wednesday, November 9, 2011 @ 11:30am
Venue: Petroleum Club (10th Floor) at 5060 California Ave. in Bakersfield
Speaker: Evan Grishaber, Project Manager, Aera Energy LLC

RSVP via e-mail to attila.aksehirli@chevron.com

Or reserve via PayPal:

Members ($20)
https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=CP9QYUU9LTQ9C

Non-Members ($25)
https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=BPSAFJFHES7EW

Abstract

In August 2005, Aera Energy LLC commissioned three 800 hp twin screw multiphase pumps as part of an oil dehydration plant consolidation project. These pumps, located in California’s Belridge Oilfield, move approximately 125,000 barrels/day of gross liquid emulsion with a gas fraction of approximately 45%. This presentation will highlight Aera’s experience with this multiphase application, including:

♦ Design factors and reasons for using multiphase pumps over the traditional tank and pump systems
♦ Benefits realized as a result of this multiphase pump installation
♦ System design and installation – what went well and what we would do differently
♦ Pump reliability history
♦ Extension of mechanical seal casing life using erosion-resistant hard weld overlay
♦ Extension of rotor life using hard-tipped rotors

Biography

Evan Grishaber is a project manager with Aera Energy LLC, an oil and gas producer headquartered in Bakersfield, California. Evan has worked in the upstream oil industry for almost 30 years, spending the last 12 years in project engineering and management mainly working large facility projects at Aera’s Belridge oil producing complex. His projects of note have included the 2004 Oil Dehydration Plant Consolidation Project which featured the first use of multiphase pump technology within Aera, the Belridge Gas Plant Modernization and Expansion Project and the Dehy 20 Oil Plant Expansion and Filtration Plant Project which was Aera’s largest plant project to date.

Evan holds a BS degree in Chemical Engineering from the University of California at Davis and is also a registered Professional Chemical Engineer with the State of California.
SPE Subsurface Study Group Lunch

Progressive Cavity Pumps in Thermal Recovery

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

RSVP via e-mail to bmmiron@aeraenergy.com
Or reserve via PayPal:

Members ($20)
https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=WAH5BJGAGMSHN

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

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

“ASME B31.3 Process Piping”

Instructor: Mr. Glynn Woods

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

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

Announcement:

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. Students should bring their laptops with an e-copy of the B31.3 Process Piping code or a hard copy of the B31.3 process piping code.

Questions:

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

Payment & Cost:

Payment can be made by check at the door on the first day of class (RSVP in advance by e-mail) or register & pay with a credit card via PayPal (below). The course is limited to 35 students. The price of this course for SPE members and non-members is $1580 per person. A morning and afternoon snack and cold and hot drinks are included. Please note lunch is not included in this price.

PayPal Link: https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=W5V5F2A7QV32

RSVP: Please RSVP to ggchamber@chevron.com

Target Audience:

Facility Engineers, Facility Engineering Supervisors, Construction Engineers and supervision, Engineering Piping engineers and designers project engineers and project managers should attend who need a greater understanding of the Code design and analysis requirements to produce a safe-economical piping system.
“ASME B31.3 Process Piping”
(continued)

Description:

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

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

Outline:

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

Special Requirements:

Attendees should bring the latest edition of the ASME 831.3 Process Piping Code book and a calculator. A lecture notebook will be provided.
SPE SJV Continuing Education
(continued)

“STILL NEED STUDENTS”

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

This is a possible course offering to occur in the 4th quarter of this year. It is a five day class designed for facilities engineers, project engineers, managers, and production engineers who also have facilities responsibilities in the oil and gas industry. The cost for this course is expected to be between $2600 - $3600 depending on the number of students who sign up. Thanks!

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

DESIGNED FOR

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

YOU WILL LEARN

- Key principles in project management for electrical projects including basics, front end loading, scope definition, brown-field vs. green-field, engineering deliverables, roles and responsibilities, project planning, risk analysis and management, cost estimating, and procurement, construction, contractor and supplier management
- Standards and recommended practices through an introduction to ANSI, API, CSA, CFR, IEC, IEEE, IES, ISA, NEMA, NFPA, AND UL
- Electrical distribution systems including background, planning, voltage selection, and system protection
- How to select, maintain and control DC and AC motors
- The characteristics, properties, insulation, shielding, jacketing, short circuit capabilities, and references of wires and cables
- Transformers which include operation, models, types, components, turns and voltage ratios, connections, losses, efficiency, ratings, application, selection, and safety
- Medium and low voltage switchgear and motor control centers including specifications, maintenance, and distribution
- Topics in faults and circuit protection including sensing devices, fuses, direct tripping devices, protective relaying, relaying schemes, major equipment protection, and system relay coordination
- Distribution, construction, fuses, circuit breakers, disconnects, grounding, types, and ratings of switchboards and panels
Electrical Engineering Practices for Facilities Engineers (E-4 for Petrol Skills) - continued

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

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

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

Instructor: Dr. Grant E. Robertson, Consultant

Date & Length: November 29, 2011, 1 day

Target Audience: Those who have had little or no exposure to this technology and need a “quick start” on the learning curve. New college hires will especially benefit.

Dr. Robertson is a recognized expert in the field of Reservoir Simulation and is an instructor for both SPE and PetroSkills. The class is a one-day class and will be held at the University of Phoenix, Bakersfield Campus on November 29, 2011. The class will begin at 8:00 am and continue to 4:30 -5:00 pm. The cost for this course is $750 per student. The price includes class book, morning snack, and afternoon snack. This price does not include lunch. Payment can be made by check at the door or by credit card using the Pay-Pal link listed below. To register please respond by e-mail to Terry L. Kloth @ TLKB@pge.com or call at 661-321-4469 should you have questions or need additional information. Thanks, Terry

PayPal Link:
https://www.paypal.com/cgi-bin/webscr?cmd=_xclick&hosted_button_id=KCN8AX848ELSS

Purpose:

The purpose of this seminar is to introduce in overview fashion the fundamental concepts and elements of reservoir simulation. Those who want to get an overview of this technology should attend. There will be no equations used in this course, and the material will be taught from a physical perspective. After attending, persons new to this area will understand the basics such as why and how a model is built, the sources of data, how wells are modeled, and what a company is looking for from a reservoir simulation study. The various phases (from model building through prediction) and types (single-well; sector; full-field) of models will be discussed. This is not intended to be a hands-on course. This will be very fast-paced for those who want to have an overview prior to getting involved in a more in-depth way.

Biography:

Dr. Grant Robertson is an Instructor for PetroSkills-OGCI and does petroleum engineering consulting in Houston, Texas. He has worked in the oil and gas industry since 1974 for Chevron, British Petroleum, Ryder Scott and Anadarko in California, Saudi Arabia and Texas. He has held various high-level technical and management positions. His work has been very diversified covering oil and gas reservoirs, onshore and offshore properties, primary, secondary and tertiary operations, and reservoir exploration and development projects. His responsibilities have been in reservoir engineering and reservoir simulation, but he has also done production engineering and exploratory well testing. Dr. Robertson has published technical papers in refereed journals and has written many internal publications.
Outline (Fundamentals of Res. Sim.):

INTRODUCTION
When to Use Reservoir Simulation
"Use and Misuse" of Reservoir Simulation

THE ELEMENTS OF A RESERVOIR SIMULATION MODEL
Reservoir Model (the container)
Fluid Model
Rock Model
Well Model
Production Model
Process

TYPES OF RESERVOIR SIMULATORS
Black Oil
Compositional
Thermal
Single/Dual Porosity
Other

COORDINATE GEOMETRIES AND MODEL TYPES
Cartesian
Corner-Point
Radial
Other
Single-well, Sector and Full-field Models

RESERVOIR SIMULATOR FEATURES
Aquifer Models
IMPES & Fully Implicit Solution Methods
Linear Solvers
Time Step Selection

WELL MODELING OVERVIEW
Vertical and Deviated Wells
Well Productivity Indices
Wellbore Hydraulics
Group Controls
Wellbore Crossflow
Economic Controls
Workovers
Drilling
Shut-in Logic
Specifying Well Rates and Constraints

BUILDING THE MODEL
Deterministic Models
Stochastic Models (Geostatistics)
Building the Grid
Locating Wells
Production History
Reservoir Equilibration
Saturation Functions

Data Management Considerations
PVT Properties
Porosity/Permeability Transforms
Modeling Consistency along with Pressure
Transient Analysis and Material Balance
Inactive Cells; Barriers and Faults
Regions for Reporting; Fluid Properties; Multiple Fluid Contacts; Saturation Functions
Porosity; Permeabilities; Net-to-Gross Ratios

MANAGING THE SIMULATION RUN
Time Step Selection
Solution Controls
Pre-processing Tools
Post-processing Tools
The Type of Information Available from Reservoir Simulation

DEFINING INITIAL CONDITIONS
Pressure and Datum Depth
Oil/Water Contact
Gas/Oil Contact
No Contacts
A Brief Discussion on Gravity/Capillary Equilibrium
Reviewing the Results (Grid Editor/Grid Display)

HISTORY MATCHING
Volumetrics
Saturation Matches
Pressures
Black Oil vs. Compositional Quality

PREDICTION
Predictive Well Management
Group Controls
Facility Modeling
Economics

PROCESS & SPECIALTY MODELS
Waterflooding
CO₂ Floods
WAG Floods
Other Types of Floods

CLOSE
Simulators Used in Industry
Future of Reservoir Simulation
San Joaquin Valley SPE & SPE Young Professionals

TOYS for TOTS Networking Bash

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

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

Appetizers and Prizes Sponsored by WZI

Non-member guests are always welcome to attend.

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

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

SPE Networking bashes are held monthly as a service to our members and are great opportunities to come out and meet people from all areas of our industry in a social setting. Our sponsor generously provides appetizers for your enjoyment while you are meeting new people or visiting with a long time colleague.

We are always looking for companies or individuals that would like to sponsor this event. For additional information please contact Tara Butler @ tbutler@enovaes.com or 661-319-4022.
To All of our Generous Sponsors in 2011,

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 April 8th, 2011. This year we were able to raise close to $21,000 for our scholarship program. This was a significant contribution to the $40,000 total we will be giving out to local college students next month 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 2011 SPE Golf Committee
The 86th Annual Wildcat Hijinks Show
Buck Owens’ Crystal Palace
Tuesday, December 6, 2011

We invite you to an evening of great networking, delicious food and outstanding entertainment. Our show this year is titled:

“That DOG Won’t Hunt…
And Other Tales of Woe”

Reception
6:00 – 7:00 p.m.
Dinner
7:00 – 8:00 p.m.
The Show
8:00 p.m.

Buck Owens’ Crystal Palace
2800 Buck Owens’ Blvd.
Bakersfield, CA 93308

From North Hwy 99, take the Buck Owens’ off-ramp

Act Now and Reserve the Table of Your Choice for You and Your Friends!!

Reservations for tables of 4 to 14 seats, or individual seating is available. Seating is limited so requests are on a first come, first served basis. Indicate on your reservation form the table(s) or seats for 4 or more that you wish to reserve. Prices and seating locations are shown on the attached seating chart, and are $90, $100, or $125 per person. Tax and tip included.

There will also be a cash bar available.

Deadline for reservations: November 30, 2011
The Wildcat Committee Hi-Jinks, Attn: Julie
c/o Brown Armstrong, 4200 Truxtun Avenue, Suite 300, Bakersfield, CA 93309
Phone: 661-324-4971  Fax: 661-324-4997  email: jdimeglio@bacpas.com

☐ I am paying by credit card using the attached credit card form.
☐ Please find enclosed $____ for which you will kindly reserve _____ tickets for the Wildcat Hi-Jinks and Dinner to be held at the Buck Owens’ Crystal Palace in Bakersfield on Tuesday, December 6, 2011. If you are requesting a specific table or tables, please indicate table number(s) here __________________________. (See attached floor plan for seating.)

Remember . . . Seating is limited and on a first come, first serve basis, so . . . ORDER EARLY!!!

NAME:________________________________ PHONE:____________________ FAX:____________________
COMPANY:________________________________ E-MAIL:____________________
ADDRESS:________________________________
CITY:____________________ STATE:____________________ ZIP:____________________

I CANNOT ATTEND BUT WOULD LIKE TO DONATE $_________ TO PYLES BOYS CAMP.

Tickets and receipts will be mailed. Receipts will be provided only if requested. Late reservations will be held at the door.
Please provide list of attendee names, if known; otherwise, tickets will be held under the Company or payer’s name.
The 86th Annual Wildcat Hijinks Show
Buck Owens’ Crystal Palace
Tuesday, December 6, 2011

“That DOG Won’t Hunt...
And Other Tales of Woe”

Credit Card Information Form

Name (As It Appears On Card): ________________________________

Phone Number: ________________________________

Card Billing Address: ________________________________

__________________________________________

Type of Card (Circle One): Visa Mastercard

Card Number: ________________________________

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