General Meeting: Industry Analysis & Outlook

1st Annual UH-Rice Student Chapter Golf Tournament

PF&C: Produced Water Treatment: Yesterday, Today & Tomorrow
President’s Award for Section Excellence

“And the winner is …” Congratulations to the members of the SPE Gulf Coast Section! As this year’s SPE-GCS chairman, it is my privilege and honor to inform our membership that our section has been recognized as a winner of the SPE President’s Award for Section Excellence. 2011 SPE President Alain Labastie will be presenting this award to our section during the ATCE President’s Luncheon on November 2nd in Denver, Colorado. I want to extend my deepest appreciation to all of our volunteers who have tirelessly committed their time and efforts to helping this section deliver on its mission. Our volunteers truly are the heart and soul of our section. If you know of a fellow GCS volunteer, please take the time to thank them for their hard work and dedication. If you have an employee who volunteers for our section, thank you for your continued support of their volunteerism.

The selection process for the SPE President’s Award for Section Excellence is solely based on each section’s annual report. This report is filed with SPE International every June and contains the documentation of every single meeting, technical luncheon, seminar, workshop, sporting event, scholarship, community outreach, etc. for the last 12 months. Considering the number of events that our section hosts on an annual basis, this is definitely not a small task! I’d like to take this opportunity to specially recognize Jane Moring, Mark Peavy, Bill Davis, Jeanne Perdue, and all of our study group and committee members who contributed to the compilation of the Gulf Coast Section’s Annual Report. The SPE-GCS 2010-2011 Annual Report can be found on our www.spegcs.org homepage, so I invite you to download a copy and review our section’s activities from last year.

Innovations and New Initiatives

A couple of things that SPEI looks for in section excellence are innovation and initiative. In this past year, the Gulf Coast Section has implemented a number of new and innovative ideas to help improve on our delivery of our mission. (1) We began testing webinar technology at a few of our study group meetings and even at our monthly board meetings. Although this technology is not intended to replace the act of attending meetings, it does provide our members with an alternative for working around scheduling conflicts. The webinar trials were deemed quite successful, so the section hopes to further expand upon this innovative technology for the 2011-2012 program. (2) The section also upgraded its financial controls to serve the study groups and committees better. The improved functionalities will allow each study group and committee a faster means for processing

continued on page 4
This presentation will be a review of the energy markets from the perspective of a mutual fund company and the capital markets. Oil, natural gas and alternative energy markets will be discussed. Global oil supply and demand, oil in emerging markets, oil and gas prices, and natural gas supply and demand are some of the topics to be discussed.

As painful as it has felt, the global recession is expected to be just a bump in the road of continuously increasing energy consumption. By 2012, excess supply of crude oil is likely to again be woefully inadequate and additional sources of energy will have to be developed and/or procured. The lion’s share of incremental demand in recent years has come from developing nations. This trend is expected to continue as the economies in developing countries (China, India, etc.) continue to grow. Renewable fuels such as wind and solar are expected to gain global market share within the next two decades.

Andrew Lees is the lead portfolio manager for both the Invesco Energy team and the Gold and Precious Metals team.


He earned a BA in economics from the University of Western Ontario and an MBA with concentrations in finance and accounting from McGill University.
expenses as well as providing real-time accounting of their group’s activities. (3) In addition, Mark Peavy, our past chairman, will be creating an **SPE-GCS Advisory Board** comprised of our past section chairmen. This Advisory Board is intended to strengthen the section’s focus on technical content. (4) And last, but not least, our **monthly section newsletter** underwent a complete transformation and is now in full color! However, we are always looking for better ways to serve our membership. If you have any novel ideas that you would like the board to consider during this program year, please contact me or any board member.

**Revisions to our Bylaws**

It’s been a little over two years since the last amendment to the bylaws, but with progress, there comes a need for change. The board has recently approved new amendments to the SPE-GCS Bylaws and has posted the proposed revisions on our section’s homepage. The board will be presenting them to the general membership for a vote during the SPE-GCS General Meeting’s October 13th luncheon at the Petroleum Club. The general membership is invited to this luncheon to review and vote on the proposed changes to the bylaws.

I hope to see you there!

**Editor Updates:**

Our cover for this month is courtesy of **FMC Technologies.** The frac trees photo was taken at the Barnett Shale outside of Fort Worth courtesy of.

These are 10,000-psi frac trees with a safety platform for a pad of two groups of wells, 10 in one area and 11 in the other.
Volunteer Spotlight

Joseph Ayoub

In our monthly Volunteer Spotlight, we normally feature SPE members who are active in section-level activities. However, there are also many Gulf Coast Section members who serve on committees at the SPE International level. This month we want to feature Joseph Ayoub, the domains career leader for the reservoir and production & completion engineering domains at Schlumberger, who has pretty much done all of his SPE volunteering at the international level.

Although he joined SPE in 1980, Joseph did not actively participate in SPE right away. He was encouraged by his management to attend local SPE meetings in the UAE where he was assigned, and in 1983 he wrote his first SPE paper titled “Pressure Buildup in Gas-Lift Oil Wells, Falah Field, Offshore Dubai.” In 1988, he volunteered to serve on the SPE Editorial Review Committee to peer review SPE papers. He has written or helped write 30 SPE papers over the years and holds several US Patents.

Joseph served as an SPE Distinguished Lecturer in 1998-99 and again in 2009-10. On his first tour, he shared tips for “Improving the Productivity of Sand Control Completions” to Sections all around the world. His second world tour featured a lesson on “Realizing the Full Potential of Hydraulic Fracturing – Damage Mechanisms and Mitigation.”

He currently serves on the SPEI Board of Directors as the technical director for drilling & completion.

So how does one go about volunteering for such international committees?

“Well, you write SPE papers and you go to SPE meetings, where you meet other SPE colleagues, learn from them and share your own contributions,” Joseph said. “Participate in technical events, which by their nature are more international in scope. That’s how you get to know the SPE members who serve on the committees and organize the meetings. Those committees are always looking for volunteers.”
**PREMIER INDUSTRY EVENT DEVOTED TO RAPIDLY EMERGING TECHNOLOGY**

Houston, Texas | November 8-9, 2011

The Subsea & Arctic Leak Detection Symposium addresses the challenges of leak detection and leak detection methods for subsea wells, arctic developments and other critical applications.

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**AUXILIARY**

**Date & Time:** 11:00 a.m.
Friday, October 14

**Location:** Carmelo’s Ristorante Italiano
14795 Memorial Drive
Houston, TX 77079
281-531-0696

**Cost:** TBA (Checks Only, Please)

**Deadline:** Noon, Tuesday October 11
(Deadlines are Firm)

**Program:** John Gonzales
Bay City Historical News and
News Copy Editor for the
Houston Chronicle

**Contacts:**
Nancy Hill
nancyhill2444@sbcglobal.net
281-435-1619

Evelyn Earlougher
earlougher@comcast.net
1-281-419-1328

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This presentation will show how Bakken-Three Forks multi-stage completion practices have evolved through time, and the corresponding production associated with these completions.

Over 1,000 wells have been used in this analysis. The NDIC (North Dakota Industrial Commission) is the main source of data; however, data from press releases and wells currently not released are also used. Neither individual wells nor companies will be identified. Only multi-stage completions will be discussed.

The data shows how the number of fracture stages has increased through time from 2009 until early 2011. Several companies pumped 40 stage stimulation jobs (March 2010 - March 2011), and it would appear that 40 stages may be too many. The data seems to suggest a convergence towards 32-38 stages for a 1280 acre DSU (Drilling Spacing Unit).

Production data are plotted at 30 days, 90 days, 180 days, 270 days and one year. The data show a very good relationship of total oil produced to number of stages pumped (wells identified as being in Parshall Field have been removed). Normalized production volumes by the number of frac stages pumped are also plotted.

When these same wells are plotted using BOPD per stage versus number of stages, the two types of fracture stimulations (sleeves and plug and perf) show comparable production rates. Early on, the plug and perf method enabled the operator to pump many more stages than available frac sleeve technology. However, today it is possible to pump 34-40 stages using frac sleeves.
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New projects and mature fields alike face the challenge of maintaining recovery rates with reasonable capital and operational efforts. This is challenging in today’s upstream world, where regulatory environment is more stringent, the natural environment where oil is found is more difficult and knowledgeable human resource talent is a bigger competitive advantage than ever before.

The presentation describes an innovative approach for Integrated Planning, where human knowledge is captured, activities previously performed by humans are automated and uncertainties are quantified and controlled. The approach assumes management buy-in, staff mobilization, regular business process reviews, and organization and better integration of operator and contractor tasks -- all enabled by software analytics.

Referencing business cases, the presentation will share the benefits on production, asset life, costs and productivity, achievable with this new approach.

**Horia Orenstein** has 17 years experience in the oil and gas industry. He received his MSc from Polytechnical Institute in Bucharest, Romania.

At SAS Oil and Gas Global Business Unit, his leadership responsibility includes the development, standardization and implementation of innovative business concepts and solutions. He also collaborates with international customers and industry stakeholders in the areas of integrated operations, integrated asset management, asset portfolio management, integrated planning, production management and optimization, facility integrity.

He has served in strategic roles developing and implementing concepts and solutions for a variety of leading oil and gas companies.

Prior to SAS, he was a business consultant and manager with AspenTech, Invensys, and Simulation Sciences, and a business consultant with ComputerVision.
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Courses Coming to the SPE Houston Training Center

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<th>Course</th>
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<td>Oil and Gas Economics and Uncertainty</td>
<td>Rodney Schulz</td>
<td>8–9 November</td>
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<tr>
<td>Waterflooding Concepts, Design Prediction and Optimization</td>
<td>Iraj Ershaghi</td>
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<td>Basic Pressure Transient Test Analysis</td>
<td>John Lee</td>
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<tr>
<td>Field Piloting for EOR/IOR Schemes</td>
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<tr>
<td>Practical Aspects of Thermal EOR</td>
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<td>Practical Reservoir Surveillance and Management Techniques for Primary, Secondary, and Tertiary Oil Recovery Projects</td>
<td>Paul Bondor, Ashok Singhal, and Sam Avasthi</td>
<td>2 December</td>
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Be sure to check the schedule for courses being offered at SPE Annual Technical Conference and Exhibition, 30 October through 2 November in Denver.

Register today—go to www.spe.org/go/trainingcourses.
October 1961

An aluminum string of drill pipe passes ultrasonic inspection after 100,000 total ft of drilling. (Must have been a sight to watch two men loading joints onto a pipe rack.)

• Before year’s end, it is predicted that there will be a gas turbine driving a drilling rig in the field. (So what next… directional drilling?) How about storing frigid LNG in a hole in the ground topped by an insulated aluminum roof? Simply employ a “freeze pipe” refrigerant system to freeze the ground before excavating, dig a 20 ft deep x 20 ft diameter hole, cap the hole with the insulated aluminum roof, and fill ‘er up with the -258 deg F liquid. (Sounded better than a good hockey fight to the Canadians.)

• Texas congressman Frank Ikard announces plans to resign his seat in the House of Representatives to become executive vice-president of the API. (Speaker of the House Sam Rayburn lambasts Ikard for leaving government to get a real job outside of government.)

• Meanwhile, some of the industry think-tanks predict that oil prices will reach $24/bbl sometime next year.

October 1986

Sir Peter Walters, chairman of British Petroleum, predicts that world oil prices will remain at $15/bbl until 1990. (Why don’t we attach “Sir” to the names of the chairmen of U.S.-based international E&P companies…Sir Rex Tillerson, Sir James Mulva? Just a thought.)

October 2001

On the heels of the terrorist attacks in New York City and Washington D.C. and OPEC’s hints that it would not change production quotas, oil futures prices fell to 22-month lows.

• The terrorism aftermath is also pushing natural gas storage levels to an anticipated 3.1 tcf within a month.

• Meanwhile discussions are underway as to potential methods that could be employed to expand the Strategic Petroleum Reserve to 1 billion bbl.

• Petrobras resumes development of its Roncador field off Rio de Janeiro state in the same area where its P-36 semisubmersible platform sank earlier this year.

U.S. active rig count – 814

East Texas crude oil - $3.25/bbl
U.S. active rig count – 1,830
The Rest of the Yarn

This month we continue our look-back at the life and times of Sid Richardson, one of the “Big Four” oilmen who laid the foundations of a flamboyant lifestyle that would come to define the image of Texas Oil.

Richardson claimed that he made his first million at Burkburnett, however, he didn’t keep it long. Richardson and Murchison had been trading leases for barely nine months when disaster struck, at a time when almost all of their money was tied up in drilling blocks along the Red River. In early 1920 the overheated commodities markets collapsed, forcing the price of oil down from $3.50 a barrel to a dollar. Richardson and Murchison awoke one morning to find all of their capital invested in land no one would be drilling anytime soon. Worse still, they had borrowed money—probably from Murchison’s father—to assemble the block, and both men now faced their first serious debts.

Unable to afford even room and board, the two sheepishly moved into Doc Bass’s house in Wichita Falls, which soon became a clubhouse for their oilfield friends. Murchison, meanwhile, used the idle time to court the girl he hoped to marry, Anne White, the charming, petite daughter of one of Tyler’s wealthiest families. He had proposed to Anne as a teenager, but at that time, Anne’s father judged her to be too young to marry. Now during a visit to Wichita Falls, she accepted his proposal and this time her father consented. The wedding, representing the union of two of East Texas’s most prominent families, was the social event of the year in Tyler. Richardson limped down the aisle as an usher. Either Murchison’s fortunes had improved overnight, or his father had given him more money, because the newlyweds left the reception in a yellow Rolls-Royce, Clint’s wedding gift to Anne.

By the time Murchison returned to Wichita Falls oil prices had recovered and Clint went to work buying new leases. For the first time he actually began drilling his own oil wells.

History Quiz

Massachusetts adventurer and rubber heir Edgar Davis is credited with discovering the Luling oil field following a séance with what noted mystic?

If you would like to participate in this month’s quiz, e-mail your answer to contest@spe.org by noon October 15. The winner, who will be chosen randomly from all correct answers, will receive a $50 gift card to a nice restaurant.

Answer to September’s Quiz

The site of the first oil refinery in Central America was Puerto Matias de Galvez, Guatemala, and the year was 1961.

Answer to May’s Quiz

Prior to the mid-1970’s when the Bureau of Mines demonstrated that coal beds could yield substantial quantities of pipeline-quality natural gas, U.S. coal mines were venting approximately 200 MMcf/d of natural gas to the atmosphere.

Congratulations to May’s winner – Walt Laflin with Baker Hughes.
Breakthrough frac technology increases production

To improve horizontal, multistage production and estimated ultimate recovery (EUR) in the Eagle Ford Shale, Petrohawk applied HiWAY® flow-channel hydraulic fracturing. This increased stimulated reservoir volume by creating stable channels and limitless fracture conductivity.

The results were outstanding:
- Initial gas production increased 37%
- Oil production increased 32%
- EUR is projected by Petrohawk to increase 25% compared with offset wells completed with conventional fracturing techniques.

“Petrohawk has converted 100% of frac services provided by Schlumberger in the Eagle Ford to HiWAY. Currently, Petrohawk is utilizing all available capacity in this solution.”

Dick Stoneburner,
COO and President, Petrohawk

www.slb.com/HiWAY
Rotary Steerable Systems (RSS) have been in use for drilling since the late 1990’s. Initially used only on expensive wells or special situations due to their high cost, they are now commonly used on even simple land development wells. Some in the industry believe RSS could replace conventional drilling systems.

John Willis, chief of drilling for Occidental Oil & Gas Corporation, will review Occidental Oil & Gas Corporation’s experience using RSS and other kick-off and steerable systems on land drilling operations, comparing and contrasting results, and the value between RSS and other methods in Oxy’s operations.

John B. Willis is chief of drilling for Occidental Oil & Gas Corporation, a subsidiary of Occidental Petroleum Corporation.

John joined Oxy in 2006 as manager of Drilling Performance and Technology in Houston. He served as drilling manager for Oxy in Libya, and then Oman, returning to Houston in 2010. As chief of drilling, he manages the Oxy headquarters staff group responsible for global systems and experts.

He graduated from Texas A&M University with a degree in chemical engineering. He started his career at Exxon, then operated a drilling software and consulting company, and worked with global service companies.

John is an active SPE member for more than 25 years. He has also chaired two SPE Forums, and chaired the 2003 SPE/IADC Drilling Conference.
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“Used by the field pumpers ... ...all the way up to management!”
This lecture focuses on the application of reliability-based design for complex wells. Traditional design approaches and their limitations will be reviewed briefly.

The evolution of design to limit states, as exemplified by the recent ISO TR 10400 and API TR 5C3 documents for casing and tubing, will be discussed in some detail, along with the rationale for reliability-based design.

The rigorous statistical basis and the standards that govern the development of reliability based designs will be discussed and placed in the context of the natural tolerance and aversion of a society to risk.

The concept of “Design Levels” based on the sophistication and probabilistic nature of the approach will be presented to show that reliability-based design approaches are standard in virtually every other structural and civil design discipline, with our industry being a late adopter of this critical enabling technology.

David B. Lewis is currently the president and CEO of Blade Energy Partners. He has over 30 years of domestic and international experience in oil & gas exploration and production. He has a management and a strong engineering background in drilling, completions and offshore structures with experience in deepwater, big bore (mono bore) and high pressure - high temperature wells (surface pressures of 30,000 psi and surface temperatures of 450 degrees F).

His expertise includes technology management, deepwater drilling, HPHT wells, reliability-based design, tubulars, connections, marine drilling risers, conductors, pipelines, offshore structures, down-hole equipment, project management, training and finite element analysis.

David is very active in API and ISO committee work serving on seven different committees and is the current chairman of API Committees: API 5-EX (Solid Expandables), API RP 16Q (Marine Drilling Risers) and API 16R (Marine Drilling Risers Connectors). He has over twenty five archival publications in various areas of tubular mechanics and structural engineering.

He is a Registered Professional Engineer in the State of Texas, and a member of ASCE and SPE. In 2009 and 2010 he served as a Distinguished Lecturer for SPE. David received his BS and MS degrees in civil engineering from University of Missouri-Rolla.
1st Annual
Society of Petroleum Engineers
UH-Rice Student Chapter
Golf Tournament
Monday, October 24th at 8:00am

Location: Oakhurst Golf Club, 20700 Mills Branch Drive, Porter, TX 77365
Pregame Golf Clinic with Touring Pro Keith Fergus (former UH golf coach)

All proceeds to benefit SPE UH/ Rice Student Chapter

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• 3 holes of golf and picture with Keith Fergus
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• Register by 12 noon on September 25

Registration information:
Evan Norcom
egnorcom@uh.edu
(281) 615-8803

Sponsorship information:
Mikhail A. Alekseenko
malekseenko@uh.edu
(713) 922-7195
This presentation will focus on completion practices and liquids-rich reservoir realities that appear to have influenced the acceleration of reserve recovery to the greatest degree in the Avalon, Bone Spring and Wolfcamp horizontal plays.

Our industry is currently focusing on unconventional plays that have proven critical in arresting the decline of Delaware and Midland Basin hydrocarbon production. The Avalon, Bone Spring, and Wolfcamp horizontal plays in particular have materially impacted both rig count and the rate of acceleration of reserve recovery. All three of these plays are combinations of low thermal maturity resource reservoirs and conventional volumetric decline Darcy-parameter reservoirs, with unique defining characteristics that point toward the need to perform up-front science prior to positioning development wells and designing a completion schema.

Stimulation practice cannot generally be “cook-booked” across these plays, as quite a bit of variation exists with respect to geological, geophysical, geochemical and reservoir parameters. However, localized practice may be standardized to the point that the acceleration of reserve recovery is optimum under some pre-defined net present value (NPV) condition. In a given localized segment of a particular liquid hydrocarbon play, natural parameters may be statistically similar, enough so that consistent D&C practices define what many industry participants define as a “field development plan”, “standardized practices” or “manufacturing mode.”

Manufacturing process as it relates to standardized D&C practice involves numerous inter-related exercises. However, as in other industrial segments, application of the Pareto Principle suggests that focusing on a relatively few core principles and practices results in “dovetailing” toward an optimum process.

Doug Walser has extensive (32 years) Permian Basin, Mid-continent, Appalachia, Rockies, and South Texas experience with Pinnacle, Dowell Schlumberger, The Western Company of North America, and BJ Services.

Doug has specialized in the calibration of three-dimensional fracture modeling via a number of methods, including historical production transient analysis, and calibration by various fracture mapping processes.

He has taught numerous seminars and short courses on subjects related to his fields of interest, including mini-frac evaluation, 3-D pressure matching, horizontal completion best practices, fracture mapping techniques, and others. Most recently, he has specialized in the examination and comparison of the various emerging resource plays in North America, and more specifically, plays with liquid hydrocarbons.

Doug holds a BS in natural gas engineering from Texas A&I University, and has worked for Pinnacle for the last 9 years. He has authored 15 papers, and holds 3 patents in his areas of interest.
The new Bullet plunger is fast, dropping at more than twice the speed of a conventional plunger. The Bullet plunger maximizes the number of cycles per day leading to higher production. This patent pending design features a retractable dart allowing fluid to bypass through the tool on its descent. Upon reaching the bottom it resets the dart, and the sleeve provides exceptional sealing efficiency for the lift back up.

To learn more about the impressive results we are providing, contact Lufkin International Lift Systems.
As the oil and gas industry continues to mature, the experience gap between the industry’s newest entrants and those on the cusp of retirement continues to widen. Certain disciplines and particular areas of expertise are more prone to this generational loss, often due to unintentional neglect by the industry in favor of higher-profile disciplines such as reservoir management and subsea production. One of the most notable of these is the area of **Produced Water Treatment**. This workshop brings together a panel of some of the industry’s foremost experts in the treatment of produced water for a single day workshop. Topics to be covered span the broad spectrum of treatment methods available and recommended for this complex constituent of our production efforts. The format allows each speaker a 35-40 minute presentation followed by a panel discussion with the speakers and attendees at the end of the day. We hope you can join us for this informative event and take advantage of the experience and knowledge possessed within this panel of experts.
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When the situation is critical, operators call TAM.

Well decommissioning operations can be challenging due to casing restrictions; nonstandard casing; lack of, or poor cementation; damaged casing; or when conventional mechanical packers can’t do the job. That’s when to call TAM. Because TAM packers provide maximum flexibility, our experts can deploy at the site with a minimum number of tools to provide the maximum efficiency and safety for your operation.


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This work provides a roadmap of practice and theory for reservoir and production engineering that can (and should) be used for the description, assessment, and modeling of unconventional gas systems. There are many substantive engineering challenges which exist and are likely to remain with regard to unconventional gas systems.

The proposed workflow constitutes more than simply “best practices,” but rather, the means to develop optimal or fit-for-purpose processes and procedures for the engineering aspects of tight gas sands and gas shales. The application of this approach is demonstrated via anonymous field cases and literature materials and data.

Dr. Thomas B. Blasingame is a professor and holder of the Robert L. Whiting Professorship in the Department of Petroleum Engineering at Texas A&M University in College Station Texas. He holds BS, MS, and PhD degrees from Texas A&M University — all in petroleum engineering. In teaching and research activities, Dr. Blasingame focuses on petrophysics, reservoir engineering, analysis/interpretation of well performance, exploitation of unconventional reservoirs, and technical mathematics. He has made numerous contributions to petroleum technology in pressure transient test analysis, analysis of production data, reservoir management, characterization of reservoir performance, and general reservoir engineering.

Dr. Blasingame is a Distinguished Member of the Society of Petroleum Engineers (2000) and he is a recipient of the SPE Distinguished Service Award (2005), the SPE Uren Award (for technology contributions before age 45) (2006), and he has served as an SPE Distinguished Lecturer (2005). He has also received several teaching and service awards from Texas A&M University.
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From Potential to Production

20–22 March 2012
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Society of Petroleum Engineers
SAFETY & ENVIRONMENT

Worker Safety and Health - NIOSH Perspectives from the Deepwater Response

Speaker: Dr. Margaret M. Kitt
NIOSH

Date & Time: 11:30 a.m. - luncheon
Tuesday, October 18

Location: Petroleum Club
800 Bell Street, 43rd Floor
Houston, TX 77002

Cost: $40 per member preregistered
$50 for nonmembers and walk-ins

Registration: www.speegcs.org
Deadline: Noon, Friday, October 14

Dr. Margaret M. Kitt received her BS from the State University of New York at Albany, and her MD from the University of Rochester School of Medicine and Dentistry, and a MPH from the University of Washington. She is certified by the American College of Preventive Medicine in both Aerospace Medicine and Occupational Medicine.

Dr. Kitt was a senior flight surgeon in the U.S. Air Force, serving for 14 years. In 2002, she joined the U.S. Public Health Service and the National Institute for Occupational Safety and Health (NIOSH) in the Division of Respiratory Disease Studies. She has served as the NIOSH Associate Director for the Emergency Preparedness and Response Office and is currently the NIOSH Deputy Director for Program.

During the Deepwater Horizon Response Dr. Kitt functioned as the NIOSH Operational Lead for the event.

On April 20, 2010, the Deepwater Horizon (DWH) Offshore Drilling Unit, located 45 miles southeast of the Louisiana coast, suffered a massive explosion that culminated in a fire which ultimately sunk the unit. Eleven workers lost their lives and seventeen other workers were injured in the explosion and fire. Oil began flowing into the Gulf of Mexico soon after the explosion and continued to flow until the well was finally capped on July 15, 2010.

This disaster presented significant challenges in protecting and ensuring the safety of the tens of thousands of responders, geographically spread across the Gulf of Mexico region in Louisiana, Mississippi, Alabama, and Florida. As part of the response effort, the National Institute for Occupational Safety and Health (NIOSH) supported the Unified Area Command (UAC) by leading several initiatives to help protect DWH responders. These activities included rostering of workers, conducting health hazard evaluations, providing technical guidance and communication/educational materials, conducting health surveillance activities, and performing toxicity testing on samples of the oil dispersant and the crude oil itself.
ENTRY FORM
28th ANNUAL SPE GULF COAST SECTION SCHOLARSHIP TENNIS TOURNAMENT
ENTRY DEADLINE – FRIDAY OCTOBER 28, 2010
(1 entry form per player)
Tournament Doubles - Fee $125 per person cash or credit.

Your Rank (circle): Championship A B C
T-Shirt size (circle): M L XL XXL

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REGULAR MEMBERS DOUBLES:
Are you playing member doubles? (circle) YES NO
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28TH ANNUAL SPE-GCS SCHOLARSHIP TENNIS TOURNAMENT

July 1, 2011

Dear SPE Supporter:

The Twenty Eighth Annual Society of Petroleum Engineers Tennis Tournament (Gulf Coast Section) in support of “Scholarships for our future Petroleum Engineers” will be held on November 4th & 5th at The Houston Racquet Club (713-464-4811) located at 10709 Memorial Drive in Houston, Texas.

We had a very successful tournament last year with over 80 players participating and contributing over $14,900 to the SPE-GCS Scholarship Fund. In combination with other SPE functions there have been 20 new scholarships for incoming college freshman studying petroleum engineering, and 89 renewed scholarships which include sophomores, juniors and seniors with their continued education in petroleum engineering. More than $1 Million in scholarships have been awarded since 1963 to students through this program.

Sponsors are a welcome and essential part of making this event a success. 100% of the net proceeds from the tournament is used to supplement the SPE-GCS Scholarship Fund for graduating seniors interested in a career specializing in the Oil and Gas Industry. We need your support, please.

In an effort to increase the percentage of the donation, we are also inviting your company to be a sponsor of the tournament by donating prizes which will be given away at the awards ceremony with due recognition of your organization. All sponsors will be recognized in the tournament program and on the sponsorship billboard that is exhibited throughout the tournament. Please see Sponsor Form for sponsorship levels. We appreciate your support, and if you need more information please call.

Sincerely,

Jim Sheridan
2011 SPE-GCS Tennis Tournament Chairman

Please send your contributions to the following address:
SPE-GCS Tennis
c/o: Joanne Hresco
74 Hessenford Street
Sugar Land, Texas 77479
E-Mail: joannehresco@comcast.net

Sincerely,

Jim Sheridan
2011 SPE-GCS Tennis Tournament Chairman
Back-to-School 2011 SPE-GCS YP Volunteers (left to right):
Simeon Eburi, Sandeep Pedam and Shiv Patil.
In order to make the Eagle Ford shale an economic success, horizontal drilling and multi-stage hydraulic fracturing are essential. Placement of perforation clusters across the laterals is driven by rock quality, gas shows and sometimes simply by mathematics, all in an effort to effectively drain the reservoir. If the hydraulic fracturing treatments do not effectively treat all of the targeted intervals, then portions of the lateral can go unstimulated, thus stranding hydrocarbons in place. Lewis Energy has performed quite a bit of diagnostic testing to determine the optimum perforation design to ensure that the fracturing treatments are being diverted across all of the targeted intervals. Case histories will be presented that reflect the lessons learned.

**Scott McCarthy** is the completions manager for Lewis Energy in San Antonio, where his primary focus is the optimization of horizontal completions. Prior to Lewis Energy, Scott worked for a number of service companies and operators in engineering completions for deepwater soft rock to low perm hard rock reservoirs. He has a number of patents and technical papers to his credit relating to hydraulic fracturing.

Scott graduated from Texas A&I in Kingsville with a BS degree in natural gas engineering.
Call for Volunteers!!!
Earth Science Week Family Festival
Where: Houston Museum of Natural Science, When: 8 Oct 2011, Time: 11:30 a.m.-4 p.m.

To kick off National Earth Science Week, families are invited to join us for the Earth Science Family Festival. Scientists and engineers specializing in all types of earth sciences will be at the Museum’s Wiess Energy Hall, the Paleo Hall, and the Cullen Hall of Gems & Minerals. There will be plenty of fun facts and activities to help you earn your badges. More about Earth Science Week: www.earthsciweek.org/whatisesw. Please contact Sandeep Pedam (spedam@slb.com) if you’d like to volunteer. For more information, please visit SPE GCS website (http://spegcs.org/en/cev/2095).

Speak for 20 to 30 minutes on why you chose your major, why you chose the industry, your career path and opportunities etc., and then share a visual, problem solving activity, lab, or game to engage the students and help them understand more about your role or the industry. For questions or inquiries, please contact James Prescott at jprescott@flexpipesystems.com

Energy Day 2011
15th October 2011
Hermann Square, Downtown Houston, 77030

An official City of Houston event, Energy Day is a public, family-friendly festival on Saturday, October 15, 2011 that celebrates and highlights the importance of energy in our daily lives. This day-long festival takes place at Hermann Square in front of City Hall in Downtown Houston, Texas. There will be energy exhibits, live music, food, contests and fun for all ages. Geared toward K-12 students, Energy Day’s mission is to highlight and demonstrate innovation in energy and to spark the interests of our next generation in energy-related careers. Through exciting, fun and interactive formats, Energy Day will give students and their families an opportunity to learn about various forms of energy, scientific breakthroughs and technology through educational displays, demonstrations, contests and presentations.

Interactive exhibits will be focused on innovation, energy production, processes and efficiencies that will create eye opening experiences for visitors. The students will be able to touch state-of-the-art technology, interact with the experts and ask questions. Together with our sponsors and partners, including Houston Mayor Annise Parker, Consumer Energy Alliance hopes to amplify how truly integral energy is in our daily lives while motivating, challenging and inspiring young minds to explore career paths in the energy field.

Volunteers are needed to distribute marketing materials, visit schools to talk about Energy Day and hand out flyers, and help on the day of the event. Please contact Sandeep Pedam (spedam@slb.com) if you’d like to volunteer. For more information, please visit SPE GCS website (http://spegcs.org/en/cev/2096)

PetroBowl-X
31st October 2011
SPE ATCE 2011, Denver, Colorado

PetroBowl matches SPE student chapter teams against each other in a fast-paced quiz competition. The competing teams are challenged to answer both technical and non-technical questions associated with the oil and gas industry. Hosted annually at SPE ATCE by the Gulf Coast Section Young Professionals, the event has grown in size and popularity every year since its debut in 2002.

Please join us in supporting our student competitors at the largest Petrobowl yet! There will be a celebratory reception held the evening of October 31st. Please contact Charles Meyer (charles.s.meyer@exxonmobil.com) or Roy Borkhoche (Roy.Borkhoche@bakerhughes.com) if you have any questions. For more information, please visit SPE GCS website (http://www.spegcs.org/en/cmt/?30)

Want to Know More about the SPE Young Professionals Committee?
We invite you to attend our monthly YP board meetings! Use this as a time to get plugged in more or to meet some new faces in the organization. Please contact Andrea Hersey (Andrea.Hersey@momentive.com) for more information or check the GCS calendar for upcoming meetings. We look forward to meeting you!
## OFFICERS

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<thead>
<tr>
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<th>Phone</th>
<th>Email</th>
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## STUDY GROUP CHAIRS

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- the proven dynamic multiphase flow simulator

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Booth 846

www.sptgroup.com

October Events

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