



Gulf Coast Section

APRIL
2013

CONNECT

SPE GULF COAST SECTION NEWSLETTER

**Frac Water
Economics: Sourcing,
Transportation,
Treatment & Disposal**

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**INCREASING ULTIMATE
RECOVERIES BY REVISITING GULF
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**MARATHON OIL –
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CHAIRMAN'S CORNER

STEVE BAUMGARTNER
2012-2013 SPE-GCS Chair

Health, Safety and Environment has been an essential part of our industry since its inception. Recently, our industry has been marked by large-scale safety and environmental incidents that have raised concerns about operations. Every day, large volumes of oil and gas are safely produced and transported. Any incident that causes injury or impacts the environment attracts attention because of the speed of communication and the public scrutiny of our operations. Many of you may have seen the front page article in a Houston newspaper: "Oil and gas field services and drilling workers were killed on the job in Texas more than those in any other profession, according to a Houston Chronicle analysis of five years of fatal accidents investigated by the Occupational Safety and Health Administration." We are trained to believe that all accidents are avoidable. Many do not believe the "all," but we can agree that most accidents could be avoided by proper planning and execution in accordance with best practices.

Egbert Imomoh, 2013 SPE President, recently announced the start of a new SPE periodical, HSE Now, a monthly e-newsletter focused on Health, Safety, Security, Environment and Social Responsibility (HSSE-SR). HSE Now will gather important news, regulations and articles about these aspects of oil and gas operations from a wide variety of sources. SPE members who have chosen HSSE-SR as their primary or secondary discipline will have automatic access to HSE Now. All members have the opportunity to opt in and receive the monthly e-newsletter. The SPE Gulf Coast Section has changed the name of the Health Safety and Environment (HSE) Study Group to Health, Safety, Security, Environment and Social Responsibility (HSSE-SR) Study Group. The objective of the HSSE-SR Study Group is to present relevant, technical topics and share best practices, emerging issues and current events for the purpose of education and technical development among peers. Trey Shaffer is the Chair of the HSSE-SR Study Group. His contact information is located with the Study Group Chairs information at the back of the Connect. Trey will join the 2013-2014 SPE-GCS Board of Directors as a Director-at-Large in August.

The new SPE-GCS website makes it easy to find and navigate to what you are interested in, whether it is tracking down a presentation you heard, learning how to advertise your company with us, or even finding a photo of you and your colleagues at a recent event. We encourage you to sign up for the e-newsletter, become a member and connect with other members on the various social media outlets. Please visit the new site (<http://www.spegcs.org/>) and let us know what you think.

The support of our employers is critical to the success of the SPE-GCS. They give the use of facilities, donations and supplies to assist technical and community service events. Thank you for your continued support. We would like to know how we can serve your interests with programs and activities organized by the SPE Gulf Coast Section study groups and committees. Please send your comments and suggestions to me at sbaumgartner@marathonoil.com.

THURS
April 11

7:30 AM TO 10:30 AM

SPE-GCS BOARD OF DIRECTORS MEETING

LOCATION

SPE Houston Office
10777 Westheimer Rd.
Suite 1075
Houston, TX 77042

EVENT CONTACT

Sharon Harris
713-457-6821 EXT. 821
713-779-4216 FAX
sharris@spe.org

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THEN & NOW

Column by
BUDDY WOODROOF

April 1963

Interesting comments by Carl E. Reistle, the president of Humble Oil, in a recent interview in answer to the question, “What will qualify Humble engineers for advancement in the future?”... 1) moral integrity, 2) an inquisitive mind, 3) the ability to communicate with others, 4) a desire to accomplish things without asking, “What’s in it for me?” 5) enjoying his work, and 6) good judgment...Not a bad list!

A six-months-long fight by Pan American Petroleum to control a subsurface blowout in Terrebonne Bay, South Louisiana ends in success by drilling a directional relief well and pumping bay water, acid, and mud into the producing sands.

The federal government decides to revive its previous barter plan in which surplus U.S. agricultural products would be swapped for oil products abroad for use by the military, with the intended purpose being to reduce the outflow of U.S. gold reserves.

U.S. active rig count – 1,420

April 1988

What are some of the E&P hotspots in early 1988? The deepwater GOM and the Arkoma basin onshore. The big players include, ironically, Texaco, Amoco and Standard Oil offshore, and ARCO onshore.

It is reported that as of the First Quarter 1988, an estimated 110-150 important horizontal wells have been drilled in the world. What operators were on the right track in the U.S.? Again, ironically, Meridian in the Bakken and Amoco in the Mississippi Lime. Great companies, but where are they today?

Seven major U.S. companies are currently involved in exploring joint ventures with the Soviet Union in energy, chemicals, and other areas within its borders.

Iran continues to attack U.S. ships in the Persian Gulf, thus leading to disrupted tanker movement in and out of the Gulf.

WTI crude oil - \$16.91/bbl; U.S. active rig count – 916

April 2003

Dominion E&P and partner Pioneer Natural Resources prepare to receive what is reported to be the world’s deepest dry-tree spar hull for their Devil’s Tower field in 5,600 ft water depths in the GOM.

Meanwhile, Anadarko awards a six-well contract for permanent downhole optical pressure and temperature, and distributed temperature-sensing systems for their Marco Polo deepwater development in the GOM.

The pending formalization of the joint venture firm of TNK-BP uniting two Russian partners with BP could reportedly be the catalyst required to spur the formal investment in Russia’s oil and gas sector that has been missing in the post-Soviet era.

The U.S. natural gas resource base, including proved reserves, was reported to be 1,311 tcf at the end of 2002, and if all of it is developed, it would amount to a 65 yr supply at current production levels. (Just wait and see what shale gas does to these numbers.)

Light sweet crude oil - \$27.40/bbl; Natural gas - \$5.25/MMbtu; U.S. active rig count – 979

THE REST OF THE YARN

This month we continue our extended look at the life and times of oil magnate John D. Rockefeller.

The petroleum business in the 1860’s and 70’s was an unruly jungle of producers, refiners, manufacturers, brokers, and shippers. The competition was ruthless, with everyone angling for a fast kill. Rockefeller hated this chaos. He believed business needed order and structure to survive for the long haul. This meant eliminating messy

competition and ensuring that the industry ran smoothly by acquiring monopoly control.

He assured himself that it would benefit everyone by strengthening the oil industry and providing “a missionary service to the whole world,” he recalled some years later. He believed this, but his love of money and power also drove his plan.

He would impose order through the Standard Oil Company of Ohio, formally organized in 1870, where he served as president and chief stockholder. By 1872, Standard Oil had bought out most rival refineries in Cleveland and consolidated them. Some refinery owners weren't inclined to sell at first, but Rockefeller and his team made it clear they would drive them out of business if they didn't cooperate.

As it grew, Standard Oil used more and more predatory tactics, some illegal, some unscrupulous, some merely aggressive. The company invested a small fortune in political bribery, commonplace in the "Gilded Age." It frequently sold products at cost for as long as it took to demolish the competition. It forced retailers to carry its kerosene exclusively. It paid a network of spies to keep tabs on the industry, and it amassed a formidable arsenal of obstructive techniques. Rockefeller eased his conscience by assuring himself that what was good for Standard Oil was good for America.

Next month, Standard Oil becomes the greatest corporate empire the world had ever known, and Rockefeller moves to the "Big Apple."

Then & Now April QUIZ

When motorcars started becoming more common on English roads in the early 1900's, the dust they generated immediately became an issue, being linked to everything from damage to merchants' stocks to diseases of the throat and lungs and even to consumption. What ended up being the most cost-effective solution to this dust problem?

Answers to Last Month's Quiz

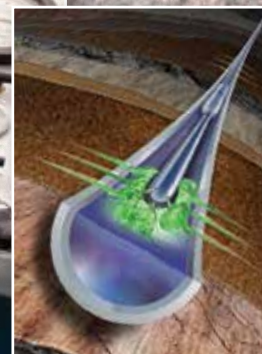
The first structural map of an oilfield was published in 1874 by John Franklin Carll of the Pennsylvania Geological Survey. (SPE members might recognize that name.)

Congratulations to Last Month's Winner JIM GLASS, ANADARKO

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

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2013 SPE UNCONVENTIONAL RESOURCES CONFERENCE

This conference provides a venue for enabling and emerging technologies in unconventional resources, providing a critical link between technology developers and practitioners. While the theme of the conference is “Technology Makes the Play,” the major emphasis of the conference is on optimizing reservoir development and recovery.

This event’s theme is “Technology Makes the Play,” and it will focus on these technologies in relation to drilling, completion, and stimulation for hydrocarbon development and recovery from unconventional resources.

The conference will also cover geological and geophysical methods for unconventional reservoir systems as well as reservoir and production engineering applications.

WHO SHOULD ATTEND

- Completion engineers
- Reservoir engineers
- Operations engineers
- Production engineers
- Business development managers
- Geologists
- Research & development engineers
- Stimulation engineers
- Technical specialists
- Geologists and geophysicists

TOPICS COVERED

- Tight gas and oil
- Shale gas oil
- Well stimulation for unconventional resources
- Well performance, modeling and pressure-volume-temperature
- Geology and geophysics for unconventional resources
- Reservoir performance for unconventional resources
- Stimulation challenges and optimal stimulation
- Optimal flowback, artificial lift, best practices

WED-FRI
April 10-12

8:00 AM TO 5:30 PM

LOCATION

Woodlands Waterway Marriott
1601 Lake Robbins Drive
The Woodlands, TX

REGISTRATION

<http://www.spe.org/events/urc>
972-952-9393 ext.216

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*Based on Spears & Associates Oilfield Market Report.

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SPE-GCS MEMBERSHIP REPORT

February 2013

FEBRUARY 2013

Total: 12,572

YP: 2,323

JANUARY 2013

Total: 10,899

YP: 1,879

	FEBRUARY		JANUARY	
SPE-GCS Members	Total	YP	Total	YP
New Members	319	125	138	56
Transferred to Section	84	48	94	N/A
Transferred out of Section	173	17	166	N/A
Unpaid	3,621	1,114	4,853	1,379
Student Members	Paid	Unpaid	Paid	Unpaid
Texas A&M	440	301	278	383
UH/Rice	204	120	98	142
HCC	36	16	19	21
Total	680	437	395	546
Total Paid/Unpaid	13,252	4,058	11,294	5,399
% Paid	76.6%		67.7%	



VOLUNTEER SPOTLIGHT

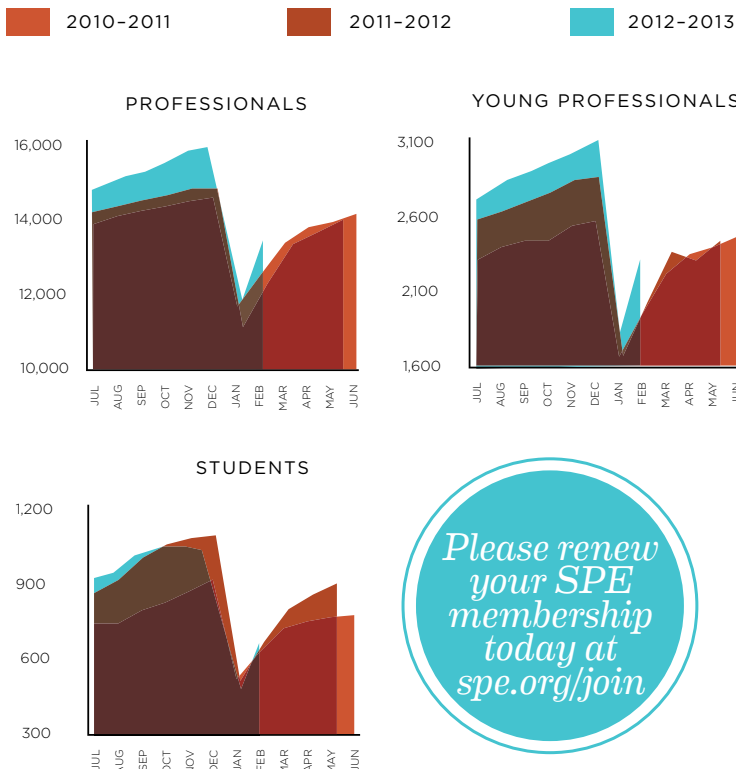
Dr. D.V. Satya Gupta

Satya Gupta, a 25-year member of SPE, is this month's Volunteer of the Month. He has served as Technical Editor on the Editorial Review Committee from 2009-2012, where he has reviewed papers for the SPE Production & Operations, SPE Drilling & Completion and SPE Economics & Management journals. He is also a member of the SPE Forum Series in Europe Committee, where he helped organize the 2012 Advanced Chemicals and Fluids for the Oilfield Forum held in Portugal.

Gupta published three SPE papers last year on fracturing fluids, co-authored six SPE papers in 2011, three in 2010, six in 2009, three in 2008, one in 2007, and two in 2005. This guy is an SPE paper-writing machine!

Gupta is Business Development Director for Pressure Pumping at Baker Hughes, where he won the Baker Hughes Lifetime Achievement Award. Previously, he was Senior Research Leader at BJ Services in Tomball, TX, where he was responsible for development and implementation of fracturing fluid and proppant technology. He spent three years as Laboratory Manager at Fracmaster, seven years as Chief Chemical Engineer at The Western Company, five years as Senior Research Engineer at Pennzoil, and five years as Polymers Manager at the Gulf South Research Institute.

Satya earned his doctorate in Chemical Engineering at Washington University in St. Louis, MO, after getting his bachelor's degree at the prestigious Indian Institute of Technology in Madras, India.



WED-FRI
April 24-
 26

8:00 AM TO 5:30 PM

ELECTRICAL SUBMERSIBLE PUMP WORKSHOP

The Gulf Coast Section of the Society of Petroleum Engineers invites you to register for the 2013 Electric Submersible Pump Workshop, being held April 24 to April 26 at the Woodlands Waterway Marriott and Convention Center.

This workshop, sponsored by the SPE Gulf Coast Section, is devoted to the enhancement of operation, maintenance, and technical advancement of electric submersible pumps (ESPs). The Program Committee solicits abstracts for both high-interest papers (20-minute presentation and 10-minute question and answer period) and short stories (10-minute presentation and 5-minute question and answer period) dealing with ESP and ESPCP production operations. The emphasis of the workshop is on practicality, and papers should contain case histories where possible.

LOCATION

Woodlands Waterway Marriott
 1601 Lake Robbins Drive
 The Woodlands, TX

REGISTRATION

registration@spe.org
 972-952-9393

MEMBERS

\$650 before 3/30/13, \$750 after

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SPE-GCS ANNUAL AWARDS BANQUET

Join us for a wonderful evening as we celebrate the achievements and support of SPE-GCS members. The annual SPE-GCS Awards Banquet recognizes the high school seniors and college students who have received an SPE-GCS scholarship for the 2013 academic year. In addition, this event also recognizes our Legion of Honor award recipients as well as our SPE Sectional and Regional award winners.

Clarence P. Cazalot Jr. is Chairman, President and Chief Executive Officer of Marathon Oil Corporation. He joined Marathon in April of 2000. Prior to this, he served as Vice President of Texaco Inc. and President of Texaco's worldwide production operations. Mr. Cazalot has held a number of high-ranking positions within Texaco, notably President of International Production and Chairman of London-based Texaco Ltd. He was also the President of Texaco International Marketing and Manufacturing, President of Texaco Exploration and Production, Vice President of Texaco Inc and President of Texaco's Latin American/West Africa Division.

Mr. Cazalot joined Texaco in 1972 as a geophysicist in Bellaire, and transferred to the company's offshore division in New Orleans, Louisiana, in 1974. He subsequently held a number of posts of increasing responsibility before being named assistant district geologist in 1976, district geologist in 1977, assistant division geologist in 1979 and regional manager of exploration in 1981.

He is a native of New Orleans and graduated from Louisiana State University with a bachelor's degree in geology. In May 2007, he was awarded an Honorary Doctorate of Humane Letters from Louisiana State University.

He serves on the Boards of Directors of Baker Hughes Incorporated, the American Petroleum Institute, the LSU Foundation and the Greater Houston Partnership as well as the Advisory Board of the World Affairs Council of Houston and the James A. Baker III Institute for Public Policy. He also serves on the Board of Visitors of the University of Texas M.D. Anderson Cancer Center, the Executive Advisory Board of the Houston Minority Supplier Development Council and the board of the Bipartisan Policy Center Energy Project.

Mr. Cazalot is also a member of the Business Roundtable (BRT), the American Association of Petroleum Geologists, the National Petroleum Council and the All-American Wildcatters organization.

THURS
May 23

6:00 PM TO 10:00 PM

Event Info

SPEAKER

*Clarence P. Cazalot
Chairman, President and CEO
Marathon Oil*

LOCATION

*Rice Hotel, Crystal Ballroom
909 Texas Avenue
Houston, TX 77002*

CONTACT

*James Rodgerson
james.rodgerson@bp.com*

INTERNATIONAL SYMPOSIUM ON OILFIELD CHEMISTRY

Chemistry and chemicals and engineering design of their applications are critical in all phases of oil and gas operations. The 2013 SPE International Symposium on Oilfield Chemistry will focus on new and emerging chemical technologies and design for their application with papers that cover laboratory studies, simulations, and field applications.

Sessions are being developed by a diverse committee comprised of engineers, scientists, operators, service companies, academia and consultancies.

April 8-10

LOCATION

*The Woodlands Waterway Marriot
Hotel & Convention Center
1601 Lake Robbins Dr.
The Woodlands, TX 77380*

REGISTRATION

www.spe.org/events/ocs

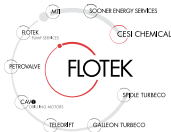
CONTACT

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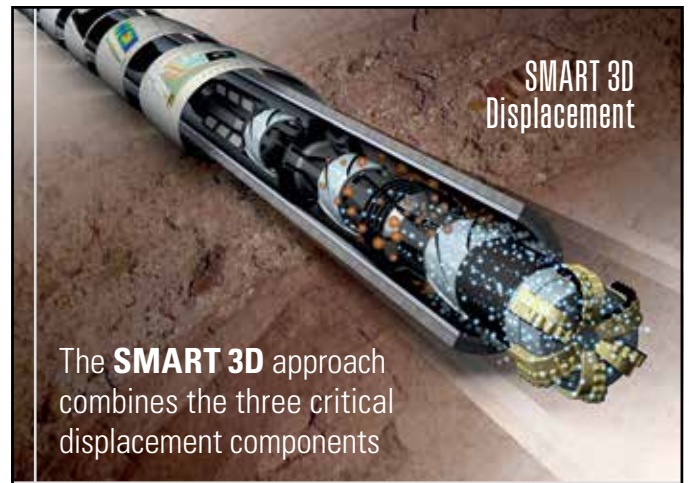
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Reserves for Unconventional Reservoirs

Houston, March 7-8

This two-day short course will examine methods available to forecast production and estimate reserves in unconventional (low to ultra-low permeability, hydraulically fractured, shale gas) reservoirs, and will identify the strength of weaknesses of commonly used methods.

MPUR

Houston, May 9th

MPUR fosters the sharing of emergent ideas in multiphase pumping and provides a focus on topics such as Subsea, Heavy Oil and Facility Minimization in Shale Gas/Oil Developments.

Learn about our other events:
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Frac Water Economics: Sourcing, Transportation, Treatment and Disposal

This presentation will be a comprehensive overview of the important issues concerning frack water sourcing, transportation, treatment, and disposal. Jeff Glover and Chad Jacobs draw upon their many years of experience in the Marcellus, Haynesville, Eagle Ford, Niobrara, and Bakken shales to discuss the cost and regulatory considerations for obtaining water, the transportation options available, treatment technologies, disposal regulations and alternatives, and important environmental and water management trends.



Jeff Glover, PE

Jeff Glover is a registered Professional Engineer in California and Colorado. He earned his B.S. in Civil Engineering at Case Western Reserve University in 1978. Throughout his career, Jeff has been involved with many treatment, transportation and disposal projects. He was the Design Manager for a design-build delivery of frack water facilities at multiple locations in the Eagle Ford, Niobrara and Rocky Mountain

areas. He has engineered multiple industrial and municipal water treatment plants. He was the Quality Control Reviewer for a raw water purification project of an industrial client in Freeport, TX and a Quality Control Engineer for a concentrated sulfuric acid storage and transportation project for a mining client in Arizona. He currently resides in Denver.



Chad Jacobs, PE

Graduating from the Georgia Institute of Technology with a B.S. in Civil Engineering, Chad Jacobs is a registered Professional Engineer in Florida, Texas, Louisiana, Pennsylvania, West Virginia and Ohio. Chad has been working municipal and industrial water projects for most of his career. He led the design of a centralized frack water treatment and disposal system in the Haynesville shale, planned and designed O&G

water and wastewater systems in Eagleford, Permian, Haynesville, Marcellus and Utica shale plays and has served as an engineer in the planning, design and construction management of frack water facilities in Lycoming County PA which are currently in operation. He currently lives in Pittsburgh where he has been leading efforts to provide frack water solutions to Utica and Marcellus E&P operators.

Event Info

SPEAKERS

Jeff Glover, PE
Professional Engineer
HDR Engineering, Denver

Chad Jacobs, PE
Professional Engineer
HDR Engineering, Pittsburgh

LOCATION

Petroleum Club
800 Bell Street, 43rd floor
Houston, TX 77002

EVENT CONTACT

Barry Faulkner
281-627-8790
barryfaulkner@earthlink.net

MEMBERS

\$35 before 4/10/13, \$40 after

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WED
April 24

5:00 PM TO 7:00 PM

Marathon Oil – Growth, Efficiency, New Play Development

Join us at the Four Seasons Hotel as Steve Guidry will update us on Marathon's current strategy and activities with particular focus on Lower 48 opportunities. A Business & Social Networking hour, with complimentary hors d'oeuvres and a cash bar, followed by an hour-long program, will begin at 5:00 PM in the Mezzanine.

Since its creation as a solely upstream focused entity in 2011, Marathon has continued to create value growth through both its domestic and international portfolio. Marathon's Lower 48 activities have revolved around utilizing learnings from its established Bakken assets to rapidly growing its operations to developing its 230k net core acres of Eagle Ford, acquired primarily in its \$3.5B acquisition in 2011 from Hilcorp/KKR. Marathon also has a 220k net acre legacy position in western Oklahoma where the combination of internal prospect review and de-risking effect of industry activity will present a large inventory of additional future opportunities. How are the operational lessons of the Bakken being utilized to leapfrog efficiencies in Eagle Ford? What have been the unexpected surprises and how were they addressed? What are Marathon's plans for its Oklahoma assets? Will Marathon take a self-development approach or look for JV partners? What is Marathon's resource play strategy going forward?

We welcome you to join us.

Steve Guidry

Steven P. Guidry is VP of Business Development for Marathon Oil Corporation. Mr. Guidry previously served as President of Marathon Libya, Ltd. and was Chairman of the Waha Concessions, the largest single U.S. investment in Libya. Prior to Libya, Mr. Guidry served as regional VP for Marathon's NA Production Operations covering both the Lower 48 and GOM. He also spent five years leading Marathon's Central Africa Business Unit, promoting both operational excellence and a number of important initiatives, including a multi-year program to eradicate malaria on

Bioko Island, Equatorial Guinea. He remains a strong proponent of engagement to promote positive change.

Mr. Guidry graduated from the University of Southwestern Louisiana in 1980 with a bachelor's degree in petroleum engineering and is a past chairman of the Industry Advisory Council. He is a member of SPE, served on the Board of Directors for the Corporate Council on Africa, the IPAA and was a member of the Upstream Committee of the API.



Event Info

SPEAKER

Steve Guidry
VP - Business Development
Marathon Oil Corporation

LOCATION

Four Seasons Hotel
1300 Lamar
Houston, TX 77010

EVENT CONTACT

Chris Atherton
832-654-6612
Chris.Atherton@energynet.com

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June 24-28, October 7-11, November 11-15
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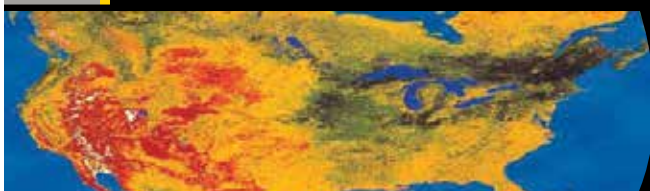
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Data Management Challenges of Distributed Measurements in Unconventional Wells

Typical North American shale gas wells are characterized by long horizontals and multiple stages of hydraulic fracturing. Economic success relies on effectively and efficiently stimulating the entire reservoir along the horizontal well. Most wells do not include lateral monitoring at all, leaving the engineer uncertain of the fluid distribution in both the completion and production phase. Distributed well monitoring is ideally suited for these well types because they are capable of monitoring the entire lateral at one time, giving engineers the ability to discriminate between sections of the well. The most common distributed measurement is the fiber-optic based technology DTS (Distributed Temperature Sensors). However, other distributed measurements are expected to grow in the future.

There are several challenges associated with collecting and managing distributed data. Most notable is the differentiator of the data to be used both statically, like a log, and dynamically, like a point gauge. This requires software and data communication requirements that are not normally anticipated in normal operations. The author has taken note of the process and results of a handful of DTS applications. He would like to share the challenges and give lessons learned when applying distributed measurements to these well types.

Kyle Frieauf, PhD

Kyle Frieauf, PhD is a Senior Well Stimulation Engineer in ConocoPhillips' Completion Technology group in Houston. His current research projects include monitoring and characterization technology of hydraulic fracture treatments. He has authored several SPE papers on hydraulic fracturing and serves on the technical committee for the SPE Distributed Fiber-Optic Monitoring for Well, Reservoir and Field Management Workshop. He holds BS in Chemical Engineering from the Colorado School of Mines and a PhD in Chemical Engineering from The University of Texas.

Event Info

SPEAKER

*Kyle Frieauf, PhD
Senior Well Stimulation Engineer
ConocoPhillips*

LOCATION

*Norris Conference Center
Westchase
9990 Richmond Ave, Suite 102
Houston, TX 77042*

EVENT CONTACT

*Carol Piovesan
949-232-6353
cpiovesan@apooffshore.com*

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Annual Drilling Symposium “Drilling Automation: Does it Bring Value?”

The Drilling Study Group’s annual drilling symposium will focus on new technology in drilling automation from the rig to downhole tools. Automation in drilling and completions operations is coming quickly, and many of these systems are increasingly being used on land drilling operations. Advances in control and automation of the whole drilling and completion process will improve safety, drilling performance, well quality, consistency of operations and interoperability. As automation takes a greater foothold in our business, we will see a shift in skills and competencies of our workforce changing the roles of the driller, the rig crew, technical specialists, and drilling engineers.

The format for this drilling symposium will consist of a half day of technical presentations followed by an operator panel, which will address the value that these new technologies bring. We will feature six to seven technical presentations from leading technology suppliers, including NOV, MI-Swaco, Halliburton, Schlumberger, Weatherford, Baker Hughes and others. The presentations will cover rig automation equipment, integrating pipe handling in land drilling operations, the operational systems used to automate this equipment, managed pressure drilling and downhole tool automation.

The operator panel will present their experiences - good and bad - on drilling automation and answer questions from the audience. Has automation brought the value promised? Is our industry learning enough from automation experiences in other industries? Are we adequately training our rig crews and drilling engineers to work with automated equipment?

Our symposium will also include an update on the Drilling Systems Automation Technical Section (DSATS) and IADC Advanced Rig Technology Committee meeting results from the SPE/IADC Drilling Conference in Amsterdam in March.

Event Info

SPEAKER

Fred Florence
NOV

Mario Zamora
MI-Swaco (Schlumberger)

LOCATION

The Petroleum Club
800 Bell Street
Houston, TX 77002

EVENT CONTACT

Amy Timmons
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Fracturing Issues Update

The event will bring two speakers together to discuss HSSE issues in the fracking industry. A discussion of ongoing study and advocacy efforts being led by the American Petroleum Institute (API), focusing on EPA's national hydraulic fracturing study and their work in Pavilion Wyoming will be given. The ultimate outcomes of EPA's work on these two studies will have significant influence on how hydraulic fracturing operations will be conducted in the future. This presentation will also touch on several other topics including the pending Diesel Use Guidance, induced seismicity, and the update of API's HF-1, HF-2 and HF-3 Guidance documents. In addition, occupational health and safety practices that effectively control hazards that result from hydraulic fracturing will be discussed.

Michael Parker

Michael Parker recently retired after more than 35 years of service as a Technical Advisor within ExxonMobil Production Company's Upstream Safety, Health, and Environment organization. He provided technical support and guidance to ExxonMobil affiliates world-wide on a range of issues, including drilling and production discharges, underground injection control, spill prevention and control, facility decommissioning, artificial reef programs, marine environmental issues, carbon capture and storage, hydraulic fracturing and general issue management coordination.

At retirement, Mr. Parker chaired the American Petroleum Institute's Upstream Environmental Subcommittee, the Carbon Capture and Storage Work Group and the Hydraulic Fracturing Workgroup. He was also the Upstream Environmental and Regulatory Issue Management Coordinator for ExxonMobil Production Company. He is currently Principal of Parker Environmental and Consulting.

Mr. Parker is a graduate of the University of Texas and Texas A&M University and is a registered Professional Engineer in Texas and Louisiana. He also serves on the Board of Directors of the Armand Bayou Nature Center.

Mike Dupuis

Mike Dupuis is a HES Manager in the Corporate HES&S group with Marathon Oil. Mr. Dupuis has 25 years of experience in the chemical, pharmaceutical, consumer product and petroleum industries. He holds a masters degree in Industrial Health from the University of Michigan. Currently, he has been working with occupational health issues in drilling and completions including silica and other potential hazards.

Event Info

SPEAKERS

Michael Parker
Technical Advisor
ExxonMobil

Mike Dupuis
Occupational and Environmental
Hygiene, Toxicology and Product
Safety Manager
Marathon

LOCATION

Petroleum Club
800 Bell Street, 43rd floor
Houston, TX 77002

EVENT CONTACT

Christa Henager
281-943-1730
chenager@nobleenergyinc.com

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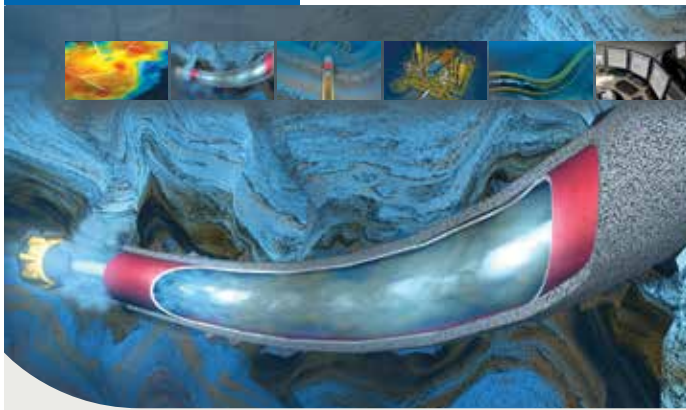
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Global Subsea Well Intervention

Post-Macondo, the deepwater oil industry was challenged to improve equipment integrity and contingency response. Across the world, various consortia of international oil companies aligned to design, build, distribute, and plan for future subsea well crises. The first of such collaborations was the Marine Well Containment Company (MWCC), comprising ten Gulf of Mexico companies involved in deepwater drilling. MWCC awarded Trendsetter Engineering the contract to develop and manufacture a single ram capping stack, which was completed in an unprecedented 7 ½ weeks. This was a critical element that allowed drilling to resume in the Gulf of Mexico, establishing Trendsetter as a global leader in providing fit-for-purpose capping stack technology.

Last year, Trendsetter was awarded a contract by Oil Spill Response Limited (OSRL) to design and construct four capping stack toolboxes that will be available for use should an offshore subsea well-control incident occur. OSRL is an industry owned cooperative and the largest global provider of oil spill response and preparedness services.

Mario Lugo, founder and president of Trendsetter, will provide an overview of the design and technical basis for intervention and insight on dealing with consortiums of international oil companies across multiple regions and various national interests. Business opportunities, challenges, and strategies providing for a successful execution will also be presented.

Mario Lugo, P.E.

Founder, President and CEO of Trendsetter Engineering, Inc., Mario R. Lugo P.E. is known in the oil and gas industry as one of the premier experts whenever a subsea problem arises. In 2010, he was specifically selected by ExxonMobil to be the subsea lead expert for the BP Macondo Incident.

Lugo's first career exposure to the oil and gas industry began in the 1970s when he started in drilling technology. His initial experience was gained through BOP controls, an arena that allowed him the opportunity to develop state-of-the-art equipment that ultimately enabled the expansion of deepwater drilling. From drilling technology spawned his exposure to the realm of subsea production systems.

In 1983, Lugo and a partner founded Oil Industry Engineering, Inc. Among their designs were the Vertical Jumper Connection System and the Hydraulic Flying Lead Connection System—technology that afforded positive changes in the industry, perpetuating an evolution toward cluster developments and away from large templates. In 1996, after the sale of Oil Industry Engineering, Lugo created Trendsetter Engineering, Inc.



Event Info

SPEAKER

*Mario Lugo, P.E.
Founder, President and CEO
Trendsetter Engineering, Inc*

LOCATION

*Petroleum Club
800 Bell Street, 43rd floor
Houston, TX 77002*

EVENT CONTACT

*Michael Cherif
713-656-7303
michael.h.cherif@exxonmobil.com*

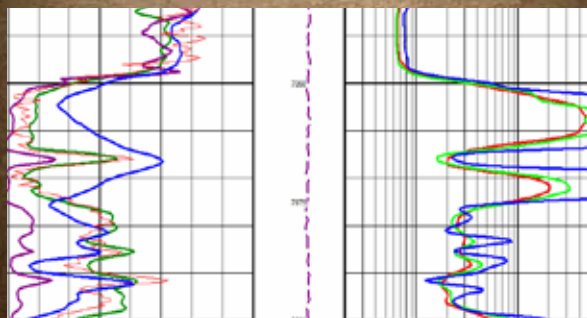
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John Schiller

John Schiller is Chairman and Chief Executive Officer of Energy XXI and has been since its inception in 2005. Mr. Schiller's career spans more than 30 years in the oil and gas industry. Prior to forming the company, he served as Vice President, Exploration and Development for Devon Energy from April 2003 to December 2004 with responsibility for domestic and international activities; Executive Vice President, Exploration and Production for Ocean Energy, Inc. from 1999 to April 2003 overseeing Ocean's worldwide exploration, production and drilling

activities; and Senior Vice President of Operations of Seagull Energy. Prior to serving in those offices, Mr. Schiller held various positions at Burlington Resources including Engineering and Production Manager of the Gulf of Mexico Division and Corporate Acquisition Manager and at Superior Oil, where he began his career in 1981. He graduated with honors from Texas A&M University with a Bachelor of Science in Petroleum Engineering in 1981.



Event Info

SPEAKER

John Schiller
Chairman & CEO
Energy XXI

LOCATION

Greenspoint Club
16925 Northcase Drive
Houston, Texas 77060

EVENT CONTACT

Sumitra Mukhopadhyay
281-784-5742
smukhopadhyay@superiorenergy.com

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George King

George E. King is a registered professional engineer with over 40 years of experience since joining Amoco Research Center in 1971. His technical work has provided advances in foam fracturing, production from unstable chalk, underbalanced perforating, sand control reliability, gas shale completions and fracturing. Currently, he is working with new technologies for Apache Corporation. He holds a degree in Chemistry from Oklahoma State University as

well as Chemical Engineering and Petroleum Engineering from the University of Tulsa, where he also taught completions and workovers for 11 years at night as an adjunct professor. He has written 65 technical papers and was awarded the 2004 SPE Production Operations Award and the 2012 Engineer of the Year award from the Houston Region of the Texas Society of Professional Engineers. He is Apache's Distinguished Engineering Advisor.

Please note: We have invited Conroe ISD high school students who have a technical interest and are involved in high-level Math, Science and Engineering courses to be included at our luncheon. Thus, we will not be able to accommodate walk-ins, so please be sure to preregister online.



Event Info

SPEAKER

*George King
Distinguished Engineering Advisor
Apache*

LOCATION

*Norris Westchase Center
9990 Richmond Ave., Suite 102
Houston, Texas 77042*

EVENT CONTACT

*Amy Timmons
713-836-6563
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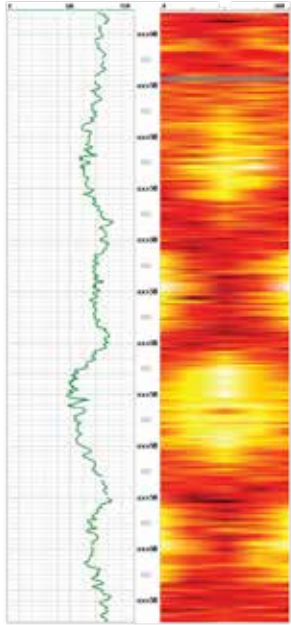
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DeepStar – Collaborative Technology Development that Focuses on Deepwater and Ultra-Deepwater Asset-Driven Technology Needs

Dr. Greg Kusinski will be presenting and discussing asset-driven technology needs in the collaborative space. With DeepStar membership including over 70 organizations, employing over 1 million people, and operating in all of the world's deepwater and ultra-deepwater basins, it is well-positioned to ensure membership is focused on the right technical challenges and leveraged to produce meaningful and value-added results.

DeepStar® is an operator funded global Research & Development collaboration between oil companies, vendors, regulators and academic/research institutes, which was started in 1991. Its mission is to facilitate a cooperative, globally aligned effort focused on identification and development of economically viable methods to drill, produce and transport hydrocarbons from deepwater. DeepStar's current Phase XI program is focused on global deepwater development in water depths to 10,000+ feet. As the premier global forum to define deepwater technology needs, it provides value to its membership by leveraging financial and technical resources to:

- Define and rank important deepwater technology needs
- Deliver technologies via a well-honed stage-gate process
- Build deepwater technical competency
- Execute development and adoption of deepwater technology projects

Dr. Greg Kusinski

Dr. Greg Kusinski was appointed in 2012 as the Director of DeepStar®, a global deepwater technology R&D consortium, and serves as Chevron Senior Advisor to that organization. Since 1998, he has worked in various corporate capacities focusing on technology development, acceleration and commercialization. During a portion of this time, he was responsible for technology development at a startup company that commercialized new technology licensed

from UC Berkeley and Lawrence Berkeley National Laboratory. Dr. Kusinski received a degree in engineering from AGH University, Krakow, Poland and went on to earn B.S., M.S. and Ph.D. in Materials Science and Mineral Engineering from UC Berkeley, where he also completed the Management of Technology program. Dr. Kusinski currently serves on several advisory boards and is pursuing an EMBA from Rice University.



Event Info

SPEAKER

*Dr. Greg Kusinski
Director of DeepStar, Senior Advisor
Chevron*

LOCATION

*Norris Westchase Center
9990 Richmond Ave, Suite 102
Houston, TX 77042*

EVENT CONTACT

*Skip Davis
281-359-8556
skdavis@technologyintermediaries.com*

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\$35 before 4/3/13, \$40 after

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Integrated Energy Services, Inc.

Robert Barba
Petrophysicist

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Completion Optimization

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Building 4-150
Austin, TX 78746
C: (713) 823-8602
F: (713) 583-9400
RBarba75@gmail.com

www.integrated-energy-services.com

1st Annual Oil & Gas Charity Golf Tournament

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\$125 per player

Contact:
Jerry Murphy
(832) 284-2955
jmurphy@pvicom.com
www.pvisoftware.com

hosted by Pegasus Vertex, Inc.

Modeling and Simplicity: Occam's Razor in the 21st Century - Sponsored by Halliburton

Since its introduction in the early 1950s, numerical reservoir simulation has become the mainstay of reservoir engineering practice. There has been no major asset anywhere in the world that has not been simulated at least once using this method. Such a multitude of usage obscures the fact that there remains a place for simpler models.

This presentation gives a brief review of the use of models in reservoir engineering. It then reviews the use of simple (nonsimulation) models in current practice. The latter falls into the category of "cogent" models (Bratvold and Bickel) that allow the execution of multiple simulations and thereby enables decision-making

Dr. Larry Lake

Larry W. Lake is a professor in the Department of Petroleum and Geosystems Engineering at The University of Texas at Austin. He holds B.S.E and Ph.D. degrees in Chemical Engineering from Arizona State University and Rice University, respectively. Dr. Lake is the author or co-author of more than 100 technical papers,

four textbooks and the editor of three bound volumes. He has served on the Board of Directors for the Society of Petroleum Engineers (SPE), won the 1996 Anthony F. Lucas Gold Medal of the AIME, the Degolyer Distinguished Service Award in 2002 and has been a member of the National Academy of Engineers since 1997.

THU
April 25

11:30 AM TO 1:00 PM



Event Info

SPEAKER

Dr. Larry Lake
W.A. "Monty" Moncrief Centennial
Chair in Petroleum Engineering
The University of Texas at Austin

LOCATION

The Courtyard on St. James Place
1885 Saint James Place
Houston, TX 77056

EVENT CONTACT

Miles Palke
713-750-5490
miles_palke@ryderscott.com

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\$35 Pre-Registered/\$45 Walk-in

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or see <http://www.gyrodata.com/>



Horizontal Well Completions: The Conflict between Short and Long-Term Recovery

The relatively close well and fracture spacing, used in the completion of many horizontal wells, and the push to create transverse fractures are suited for high short-term well productivity. This has resulted in a high frequency of communication between offset horizontal wells. Some experts believe that the creation of a network of interconnected fractures is desirable for achieving higher well productivity. This presentation takes a closer view of our present completion strategies and their impact on short and long-term reservoir productivity.

Ali Daneshy

Ali Daneshy has more than 40 years experience in the technology and operations of hydraulic fracturing. His company, Daneshy Consultants International, is heavily involved in providing training and consulting services in the areas of well completions and hydraulic fracturing. He is also an adjunct professor at The University of Houston, where he teaches a graduate course in

hydraulic fracturing. He has over 50 technical publications on the subject of hydraulic fracturing. He received a mining engineering degree from The University of Tehran and MS and PhD degrees in mining engineering (rock mechanics) from The Universities of Minnesota and Missouri-Rolla.

Event Info

SPEAKER

Ali Daneshy
President
Daneshy Consultants International

LOCATION

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Houston, Texas 77042

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alexander_mccoy@oxy.com

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Email: james.garner@polarstarconsultants.com Web Site: www.polarstarconsultants.com

THURS
April 16

11:30 AM TO 1:00 PM

THE SIMPLE TRUTH: BP'S MACONDO BLOWOUT

THE SIMPLE TRUTH: BP's Macondo Blowout, by J.A. Turley, is research-based, narrative nonfiction about the drilling of the well and the engineering, operating and human causes of the blowout. With John's background, he assesses and writes about the blowout from multiple perspectives: academic, on-the-rig, petroleum engineering, drilling management and executive. Mr. Turley will share with us his findings about this most-important, oil and gas-industry topic.

JOHN TURLEY

John Turley's early resume includes Phillips Petroleum, Tenneco Oil Company, and Marietta College as a professor of petroleum engineering. During his 25 years with Marathon Oil Company, he held responsibilities as Gulf Coast Drilling Manager, UK Operations Manager, Manager of Worldwide Drilling and VP of Engineering and Technology. His academics include petroleum engineering from the Colorado School of Mines, Ocean Engineering from the University of Miami and Executive Education from Harvard Business School. After early retirement from Marathon, John focused on writing mystery novels, though his second career changed the day after the April 2010 blowout aboard the Deepwater Horizon in the Gulf of Mexico. 25 months later, John published *The Simple Truth: BP's Macondo Blowout*.

SPEAKER

John Turley
Senior SPE Member
Author

LOCATION

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

CONTACT

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281-654-6919
pavitra.a.timbalia@exxonmobil.com

MEMBERS

\$35 before 4/14/13

NON-MEMBERS

\$45 before 4/14/13

KIM SENDING NEW INFO

I'm going to send you something new to insert there. We need to start promoting the upcoming EEC so I'll have the keynote speaker bio and photo for you to put there plus a really short blurb about the poster session competition.

TUE
May 14

8:30 AM TO 5:30 PM

OIL PATCH ORIENTATION

This seminar is the most popular SPE program. The course is designed as non-technical audio-visual guided tour through the oil patch, illustrating the basic equipment and techniques used in the discovery, development and production of petroleum.

The event will begin with an introduction and an outline of the day. The following topics will be discussed: the economics & future of the petroleum industry, theory of the origins of hydrocarbons, reservoir parameters (e.g., porosity and permeability), geology of petroleum & geophysics, drilling basics, well logging, well completions, reservoir drive mechanisms, production equipment (subsurface & surface) and midstream & downstream topics.

SPEAKERS

- John Farina* Independent Petroleum Engineering Consultant and Technical Training Advisor
Ron Hinn Upstream Technical Consultant
Susan Howes Horizons Manager, Chevron
Ken Arnold Independent Projects, Facilities and Construction Consultant
Marty Stetzer Training Design, Operations Improvement & Large-Scale Systems Implementation Consultant

LOCATION


Hilton Houston Westchase
 9999 Westheimer
 Houston, TX 77042

CONTACT


Regina Eco
 713-308-0329
 reco@millerandlents.com

MEMBERS

\$350 before 5/10/2013



Emerging Engineers Conference
EEC 2013
 Disrupting the Reservoir:
 Innovations in the Oil Field







“Learn, Network, Door Prizes”

May 17, 2013
 8:00am - 4:30pm

The United Way Center
 50 Waugh Drive
 Houston, TX 77007

For Registration Updates Check:
<http://www.spegcs.org/committees/young-professionals>

 @SPEYP
 <https://www.facebook.com/spegcs.yv>
 **SPE Gulf Coast YP**



EEC 2013 Co-Chairs:
 Carlos Hernandez at carlos.hernandez@chevron.com or
 Alex Beszterda at alex.c.beszterda@conocophillips.com



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 THE NEXT GENERATION OF LEADERS IN THE OIL FIELD

THURSDAY JULY 25TH
ALL DAY EVENT

Open to interns and young professionals with less than five years of work experience
 Door prizes ranging from iPods to iPads



LOCATION:

 1201 Lake Robbins Dr.
 The Woodlands, TX 77380

Find updates on Facebook and LinkedIn
 <https://www.facebook.com/spegcs.yv>
 **SPE Gulf Coast YP**

RNC Co-CHAIRS:
 John Jackson Mudassir Siddiqui
 JJackson@reclaim.com msiddiquit@gmail.com

COMMUNITY SERVICE PROGRAMS

We are always searching for volunteers to help with our outreach and community service programs. If you are interested in any of the following volunteer activities, please visit the links below for more information or contact our Community Services Director, Xuan Harris at xvharris@verdandetechnology.com.

THUR
April 11

7:30 AM TO 1:00 PM

HARGRAVE CAREER/ COLLEGE FAIR

LOCATION

Hargrave High School
25400 Willy Lane
Huffman, Texas 77336

DETAILS

Engage and familiarize 8th – 12th grade students to expose them to opportunities to “real world” career/college information.

CONTACT

Xuan VandeBerg Harris
832-444-5143
xvharris@verdandetechnology.com

SATURDAY
April 6 & 13
ALL DAY EVENT

REBUILDING TOGETHER

DETAILS

Many people in our community are not able to leave their homes without assistance. Rebuilding Together Houston identifies individuals who live in homes that need assistance and helps design ramps to be installed by volunteers. SPE-GCS works closely with Rebuilding Together Houston to provide the skilled labor required in order to bring these designs into reality for a worthy homeowner.

MORE INFO

http://www.rebuildingtogetherhouston.org/about_us/programs_overview.htm

CONTACT

Xuan VandeBerg Harris
832-444-5143
xvharris@verdandetechnology.com

TUE
April 16
11:00 AM TO 1:00 PM

PERMIAN BASIN STUDY GROUP HIGH SCHOOL MEETING

DETAILS

An initiative to engage high school students into the oil and gas industry at a SPE GCS Permian Basin Study Group Monthly meeting. Volunteers are needed to support the study group efforts to interact with students.

LOCATION

TBD

EVENT CONTACT

Amy Timmons
713-836-6563
Amy.Timmons@weatherford.com

EVENT RECAP

Thank you to the Business Development and Northside Study Groups for their photo submissions this month. In addition, we are featuring photos from the recent Houston Young Engineer of the Year awards where Valerie Martone was honored as SPE-GCS's Young Engineer of the Year. We'd like to feature more photos from our section events and luncheons in the Connect. If your committee or study group has photos from your recent events, luncheons, dinners or conferences, please send the original, high resolution file to the Connect editor at editor@spegcs.org.



FRIDAY
June 7

13th Annual Sporting Clays Tournament

Registration

Time Preference AM PM

Team Captain _____ City/State/Zip _____

Company _____ E-Mail _____

Address _____ Phone _____

SPE Member Name /Number _____

Shooter No 2 _____ Shooter No 4 _____

Company _____ Company _____

E-Mail _____ E-Mail _____

Phone _____ Phone _____

Shooter No 3 _____ Shooter No 5 _____

Company _____ Company _____

E-Mail _____ E-Mail _____

Phone _____ Phone _____

METHOD OF PAYMENT

Payment: Check Visa MC AMEX DISC

Card Number _____ Expiration Date _____

Name as it appears on card _____

Signature _____

Email _____

Total to Charge Card _____

(Make checks payable to SPE-GCS)

COST

\$850 per 5-person team
Includes a 100-round course

LOCATION

Rio Brazos Hunting Preserve
4430 Guyler Rd.
Simonton, TX 77476
www.rio-brazos.com

REGISTRATION

Yim Szeto
832-816-8966
361-798-3862 Fax

REGISTRATION INFO

Limited to first 700 shooters

At least one shooter must be
a current SPE member

Shooters provide own ammo
(No. 7 ½, 8, 9 shot ONLY)

Starting time and station sent
to team captain only

Sponsors will receive first
consideration

Mail entry form with payments to:
SPE-GCS Sporting Clays
10777 Westheimer Road, Suite 1075
Houston, TX 77042

Tournament Sponsorship

SPONSORSHIP COMMITTEE CHAIRPERSON

Greg Rachal

MI-Swaco a Schlumberger Company

713-628-3341

grachal2@slb.com

- Diamond Sponsor** **\$7,500**
As a diamond sponsor, your company will be recognized as a Corporate Sponsor of the tournament and the company name will appear on the sponsor board. Your sponsorship entitles you to four (4) complimentary teams in the tournament and V.I.P. parking.
- Platinum Sponsor** **\$5,000**
As a platinum sponsor, your company name will appear on the sponsor board. Your sponsorship entitles you to two (2) complimentary teams in the tournament and V.I.P. Parking.
- Gold Sponsor** **\$3,500**
As a gold sponsor, your company name will appear on the sponsor board. Your sponsorship entitles you to one (1) complimentary team in the tournament and V.I.P. parking.
- Silver Sponsor** **\$2,000**
As a silver sponsor, your company name will appear on the sponsor board. Your sponsorship entitles you to V.I.P. parking.
- Bronze Sponsor** **\$1,500**
As a bronze sponsor, your company name will be on the sponsor board. Your sponsorship entitles you to V.I.P. parking.
- Entry Gift Sponsor (limited to 3)** **\$5,000**
As an entry gift sponsor, your company name will be on the sponsor board and on entry gifts (to be determined by committee) handed out to each shooter.
- Shuttle Cart Sponsor (limited to 3)** **\$2,000**
As a shuttle cart sponsor, your company name will appear on the sponsor board and on the shuttle carts used at the tournament.
- Shotgun Sponsor** **\$1,200**
As a shotgun sponsor, your company name will appear on the sponsor board. Your sponsorship entitles you to personally present the shotgun on stage at the tournament to the winner.
- Shooter # Sponsor** **\$1,000**
As a Shooter # Sponsor, your company name will appear on each competitor # that all participants will display.
- Scorecard Sponsor** **\$1,000**
As a scorecard sponsor, your company name will be on the sponsor board, competitor #, and on each scorecard
- Corporate Sponsor** **\$500**
As a corporate sponsor, your company name will be on the sponsor board.
- Hospitality Tent Sponsor (limited to 5)** **\$500**
As a hospitality sponsor, your company name will be on the sponsor board. As part of your sponsorship, you will be allowed to set up at or near the pavilion to provide one of the following: (1) Breakfast, (1) Lunch, (2) Drinks, or (1) Gun Cleaning Service.
- Station Sponsor** **\$250**
As a station sponsor, your company name will appear on the sponsor board. As part of your sponsorship, you will be asked to set up a tent at an assigned station to provide refreshments for shooters throughout the day.

SEE BACK OF THIS PAGE FOR SPONSORSHIP FORM

In order to receive full advertisement benefit of your sponsorship, your sponsorship form and payment must be received by May 1st, 2013.



COMMITTEE SPORTING CLAYS

Sponsorship Form

EMAIL SPONSORSHIP FORM:

Greg Rachal: grachal2@slb.com

IF PAYING BY CHECK, MAIL TO:

SPE-GCS Sporting Clays

10777 Westheimer Road, Suite 1075

Houston, TX 77042

PLEASE CHECK THE LEVEL OF SPONSORSHIP YOU WISH TO CHOOSE

All sponsorship levels will receive next year's tournament information approximately one month before the general membership mail-out. All sponsors receive preference on shooting times when possible. All profits will be used for SPE scholarships, local charities, community service projects, and member services.

- | | | | |
|--|--|---|--|
| <input type="checkbox"/> Diamond Sponsor
\$7,500 | <input type="checkbox"/> Bronze Sponsor
\$1,500 | <input type="checkbox"/> Shotgun Sponsor
\$1,200 | <input type="checkbox"/> Corporate Sponsor
\$500 |
| <input type="checkbox"/> Platinum Sponsor
\$5,000 | <input type="checkbox"/> Entry Gift Sponsor
\$5,000 | <input type="checkbox"/> Shooter # Sponsor
\$1,000 | <input type="checkbox"/> Hospitality Tent Sponsor
\$500 |
| <input type="checkbox"/> Gold Sponsor
\$3,500 | <input type="checkbox"/> Shuttle Cart Sponsor
\$2,000 | <input type="checkbox"/> Scorecard Sponsor
\$1,000 | <input type="checkbox"/> Station Sponsor
\$250 |
| <input type="checkbox"/> Silver Sponsor
\$2,000 | | | |

Company _____ Contact Name _____

Mailing Address _____ Phone _____

City/State/Zip _____ Fax _____

METHOD OF PAYMENT

Payment: Check Visa MC AMEX DISC

Card Number _____ Expiration Date _____

Name as it appears on card _____

Signature _____

Email _____

(Card holder's email address required for all credit card payments)

Total to Charge Card _____

(Make checks payable to SPE-GCS)

COMMITTEE AUXILIARY

APRIL 2013 ACTIVITIES

The Houston SPE Auxiliary will meet on Friday, April 12, 2013 at 11:00 AM.
At our April meeting we will honor all of our past Presidents.

If you know someone who is interested in joining us or our activities,
please contact Nancy Giffhorn, 281-360-4631 or rgiffhorn@AOL.com

EVENT

April 12, 2013

HOSTESS

Peggy Kite

BOOK

The Glass Castle by
Jeannette Walls

MORE INFO

Martha Lou Broussard
713-665-4428

DISCUSSION
LEADER

Sally Pesce

MON
April 15

7:00 AM TO 6:00 PM

2013 Golf Tournament

KINGWOOD COUNTRY CLUB | DEERWOOD COUNTRY CLUB

You are cordially invited to attend the 40th Annual SPE-GCS Golf Tournament. This Gulf Coast Section event is an important part of fundraising for our Scholarship Fund, which helps send several potential clients or co-workers to college. These scholarships are even more important now with an unprecedented Industry demand for increased engineering, resources and people. We need your support more than ever. Please consider participating or sponsoring the event. Visit <http://www.spegcs.org/events/2069/> for more information and to register for the annual golf tournament.

When you select one of our prestigious Masters or Bachelors sponsorship packages, a specific student scholarship is awarded in your company's name; you will help select the recipient, specify the engineering discipline, and have the chance to present the scholarship at the awards banquet. All of the benefits of the Deerwood or Kingwood Gold package are included, as appropriate.

Premium Sponsorships

MASTERS SPONSORSHIP OPTIONS 2, 3, OR 4 TEAMS | \$5,000

The golfing choices for Masters are:

- Masters A: 2 Deerwood Teams
- Masters B: 1 Deerwood Team and 2 Kingwood Gold Teams
- Masters C: 4 Kingwood Gold Teams

BACHELORS SPONSORSHIP OPTIONS 1 OR 2 TEAMS | \$2,500

The golfing choices for Bachelor's sponsors are:

- Bachelors A: 1 Deerwood Team
- Bachelors B: 2 Kingwood Gold Teams

Team Only

DEERWOOD COURSE | \$1,850

All Deerwood teams are Gold level sponsorships, and include

- One foursome team on the premier course
- Morning or afternoon tee time
- Complimentary Food, Cigars and Open Bar throughout the day.
- Special recognition on our tournament table boards and in the tournament book

KINGWOOD GOLD | \$1,200

- One foursome on your choice of Kingwood Country Club golf courses
 - Choice of morning or afternoon shotgun start
 - Appetizers in the clubhouse after the round.
- In addition to the above, Kingwood Gold sponsors receive special recognition (including your company logo) on our tournament table boards and in the tournament book.

KINGWOOD REGULAR | \$700

For all Kingwood registrations, we will try to accommodate your choice of course when you express a preference.

SPE GULF COAST SECTION DIRECTORY

Your guide to your organization leaders

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SPE Houston Office

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Photo Submissions

We are looking for member photos to feature on the cover of upcoming issues! Photos must be at least 9" by 12" at 300 DPI. Email your high resolution picture submissions to:
editor@spegcs.org

Change of Address

To report a change of address contact:
Society of Petroleum Engineers
Member Services Dept.
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Contact

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GULF COAST SECTION

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CALENDAR

April 2013

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
	International Symposium on Oilfield Chemistry Conf.	Northside International Symposium on Oilfield Chemistry Conf.	International Symposium on Oilfield Chemistry Conf.	General Meeting Board Of Directors	Auxiliary Unconventional Resources Conf.	
7	8	9	10	11	12	13
	Golf Tournament	Drilling Permian Basin	Westside			Young Professionals
14	15	16	17	18	19	20
Young Professionals		HSSE-SR International	Business Development Completions & Production / Digital Energy	Reservoir Electrical Submersible Pump Workshop	Electrical Submersible Pump Workshop	
21	22	23	24	25	26	27
		Electrical Submersible Pump Workshop				
28	29	30				