



Gulf Coast Section

SEPTEMBER
2016

CONNECT

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CHAIR'S CORNER



DEEPAK M. GALA, SHELL
2016-2017 SPE-GCS Chair

The new Bureau of Safety and Environmental Enforcement (BSEE) Well Control Rule (WCR) will be effective as of July 29, 2016. I will provide a short overview on the WCR, as it is important for our members and industry.

After the Deepwater Horizon/Macondo incident in April 2010, BSEE was established in October 2011 to oversee offshore worker safety, environmental stewardship, and resource conservation. BSEE's workforce fulfills the Bureau's mission by employing a spectrum of statutory authorities that are designed to reduce offshore risk and improve the ability of companies to respond effectively should an incident occur.

In April 2015, BSEE proposed new regulations for Outer Continental Shelf—Blowout Preventer Systems and Well Control equipment. More than 170 comments from different companies and organizations were submitted to BSEE on the proposed rule by July 2015. Industry organizations (API, IADC, OOC, IPAA, NOIA, etc.) as well as individual companies reacted swiftly, formed various workgroups and worked on the WCR for over a year in anticipation of the final WCR. The final rule was released in mid-April 2016 and was required to be implemented within 90 days, with the exception of certain regulations that have implementation timeframes ranging from one (use of BAVOS) to seven years (shear rams that center drill pipe during shearing operations) following publication. BSEE has been working with the organizations, companies with providing clarifications on the WCR.

The final rule was released in mid-April 2016 and was required to be implemented within 90 days, with the exception of certain regulations that have timeframes of up to seven years for implementation.

The key regulations in the BSEE WCR can be loosely grouped into four categories:

- 1) Drilling margins
- 2) BOP maintenance and inspection requirements and BAVOS - BSEE-Approved Verification Organization
- 3) Real-time monitoring (RTM) requirements
- 4) API standards (incorporates 10 different API standards)

The cost of complying with the new WCR will vary depending on each company's current stage in the implementation process. While initial cost estimates from the original draft version of the WCR have come down, the fact remains that operating in the Outer Continental Shelf will become more expensive as the industry moves to fully comply with this new WCR.

SPE-GCS Update

I have been impressed by the interest of our professionals in technical topics and career advice and the events SPE sponsors to address those needs.

Recently, I attended the R&D Study Group's "Key Challenges Facing the Upstream Operators" luncheon. The event featured four speakers representing Shell, Total, Anadarko and Chevron. It was sold out with over 100 professionals in attendance, a high turnout that confirms the resiliency of our SPE chapter members. Congratulations to Kitty Harvey, R&D Study Group Chair, and her team for organizing this event.

I also attended the Roughneck Camp. This annual event is managed by SPE Young Professionals. After six months of meticulous planning and outstanding leadership by Abe Abraham and Venkata Gundepalli, the event was a resounding success. The camp attracted more than 275 attendees (with over 50 waitlisted).

I would like to acknowledge Shell for allowing SPE to use its facility for this flagship event. The significant savings from using this venue were returned to support our education initiatives.

Board News

I would like to welcome these members to their new roles for 2016-17:

- Trey Shaffer, Vice Chair
- Marisé Mikulis, Secretary
- Prashant Sainani, Vice Treasurer
- Bryan Marlborough, Communications Chair
- Sunil Lakshminarayanan, Programs Co-Chair
- James Jackson, Social Activities Chair
- Nii Nunoo, Young Professionals Chair

I would also like to welcome three new Directors-at-Large to the board:

- Robert Estes
- Dr. Mohammad Tabatabaei
- Ernie Prochaska

Website Hosting

We are moving spegcs.org's web-hosting portal to SPEI. This will save us \$15,000 annually.

Staffing

Plans are in place to have a full-time dedicated support staff for our section. SPEI will support GCS in providing this critical link.

Finance

The board has approved the 2016-2017 budget for a break-even year. The key areas allowing us to break even are the ESP workshop, newsletter ads, community services, expense reduction with key events, and education expenses. Section Treasurer David Flores will need ongoing support from study group and committee treasurers in providing enhanced oversight on their expenses.

For the first time, SPE-GCS Annual Kick-Off was held at a no-cost venue. Thanks to RAC Conference Center for hosting the event.

Stay engaged, stay safe,

Deepak M. Gala

September 2016

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BOARD OF DIRECTORS MEETING

THURSDAY, SEPTEMBER 15 | 7:30 TO 10:30 AM



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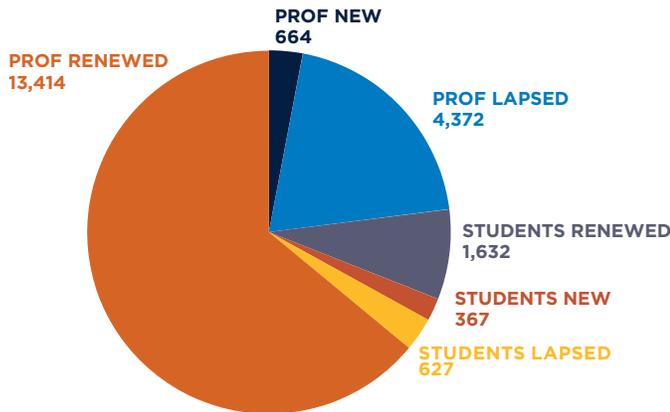
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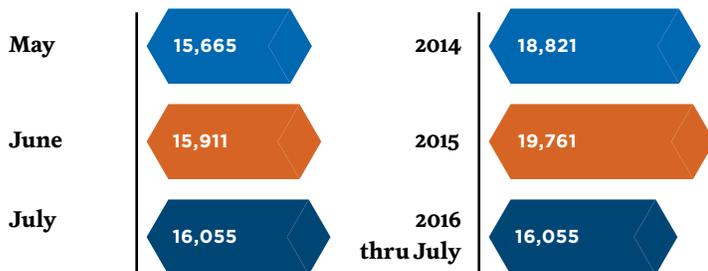
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SPE-GCS MEMBERSHIP REPORT Through July 2016

TOTAL SPE-GCS MEMBERSHIPS



CURRENT MEMBERSHIP TRENDS



STUDENT MEMBERSHIPS

STUDENTS	RENEWED	NEW	TOTAL
HCC	82	40	122
Prairie View	19	39	58
Rice	47	73	120
Texas A&M	1001	97	1098
UH	456	99	555
Unassigned	27	19	46
TOTALS	1632	367	1999

*This chart does not reflect lapsed student memberships

DON'T MISS OUT
RENEW YOUR DUES **TODAY!**



VOLUNTEER SPOTLIGHT JAMES RODGERSON

This month the SPE Gulf Coast Section is thrilled to feature James Rodgers as the Volunteer of the Month. James got involved with SPE in the mid-'80s through the encouragement of several colleagues while working in R&D at BJ Services. Since then, James has been a dedicated member of SPE, holding numerous positions within the SPE-GCS Permian Basin Study Group for more than a decade.

James started his career in the oilfield over 34 years ago. He is a hydraulic fracturing and completions engineering advisor with over 30 years in shale stimulation experience and more than 20 years of horizontal stimulation experience.

He has served in multiple engineering roles throughout his career, from field, to region engineer, to research and development. James began his career with BJ Services, later working at BP. Most recently, he has been very active with Devon Energy in the Completions Technology group. In this role, he works with various business units involved with hydraulic fracture design support, DFIT analysis, and DTS/DAS fiber optic implementation and evaluation as a Completions Advisor.

James has authored and co-authored multiple SPE papers. He has served as Permian Basin Chair, GCS Banquet Chair, and in numerous other volunteer roles within SPE. James graduated from Texas A&M University with a BS in industrial distribution.

James believes that SPE is a great way to give back. He is always encouraged to see the next generation of emerging professionals starting in the industry. He finds great pleasure in being able to help others as he has been helped throughout his career.

"SPE has always been the best resource to both share and explore emerging technology," he says. "(It) is a part of my extended family. Not only is it a great resource to share ideas and network, but it has been a great way to stay in touch with those whom I love and care about. One of my greatest pleasures is to have been a part of something greater than myself, and to promote the success of others."

Longtime colleague Amy Timmons said of James, "Along with being a longtime mentor and colleague, James has supported me throughout my oilfield service career – this is why I believe James deserves to be a Volunteer Spotlight as many other SPE members feel."

Thank you for all that you do for SPE, James!

THEN & NOW

COLUMN BY BUDDY WOODROOF

SEPTEMBER

1956

Pipeline giant El Paso Natural Gas moves toward full-scale downstream integration as it purchases three refineries (with plans for two more), plunges into petrochemical manufacturing in a joint project with General Tire and Rubber, and coordinates refining and marketing centers in Texas and New Mexico.

Gulf Oil reports plans to reenter what was previously the Texas drilling-depth record well in Reeves County at 18,609 ft, only to be temporarily abandoned due to the prospects of a seemingly hopeless fishing job, and is now planned to be deepened to a new Texas drilling-depth record of 19,200 ft.

Stanolind Oil & Gas and White Eagle International Oil reach an agreement to expand their development program in Cuba to encompass a total of 13 million acres (pre-Castro era).

Humble Oil & Refining receives clearance from the Texas Railroad Commission to try its new “condensing-gas drive” method of secondary recovery, which involves injecting rich casing-head gas or separator gas souped up with propane into the pay horizon.

**East Texas crude oil - \$2.90/bbl;
US active rig count - 2,507**

SEPTEMBER

1986

A coalition of oil and gas associations and federal lawmakers from both parties is planning how to most effectively petition the administration and Congress for an oil import fee that would establish a \$20-\$22/bbl floor for crude prices.

Canadian Energy Minister Marcel Masse cites continuing interest in developing the Hibernia oil field off Newfoundland to the extent that the federal government is prepared to offer Mobil Oil Canada Ltd. and its partners a \$1 billion loan guarantee.

T. Boone Pickens, the “sugar daddy” of Oklahoma State University and general partner of Mesa Limited Partnership, launches an organization whose aim is to champion stockholder rights, and will spend up to \$1.3 million to start United Shareholders Association that will represent the rights of 47 million US stockholders.

The Zapata Corporation receives a \$25 million line of credit to complete development of the Wisdom gas field in the western part of the Gulf of Mexico (Remember the founder of the Zapata Corporation ... GHWB).

US active rig count - 731

SEPTEMBER

2001

Harken Energy reports continued success in drilling +/- 15,000 ft gas/condensate wells in Lafourche Parish, LA, exploiting the sparsely explored Bol formation (Remember any board members of Harken Energy ... GWB).

Weather derivatives are attracting increased energy company interest as a part of their risk management strategy to reduce risk associated with adverse or unexpected weather conditions. (What about blowout derivatives?)

Nexen Inc., Calgary, President and CEO Charlie Fischer forecasts his company doubling in size over the next five years through exploration of its 37 million-acre inventory. (But did they forecast being a wholly owned Chinese company in 15 years?)

By late morning on September 11, nonessential personnel at much of Houston's massive concentration of refining and petrochemical complexes were sent home after those plants earlier in the day went on heightened security. (Remember where you were and what you were doing when you got the word of the terrorists' actions?)

**Light sweet crude oil - \$27.37/bbl;
Natural gas - \$2.43/MMbtu;
US active rig count - 1,216**

THE REST OF THE YARN

This month, we examine where TR's global impact was the greatest.



As at home, so in the world: In all places Roosevelt was an activist. He was the first president to urge wholeheartedly that the US accept its role as a global power. He looked at the US the way many now understand the universe, something that began expanding the moment it was born. But it was not until just before he reached the presidency that the nation burst through its continental confines. In 1898 the Spanish-American War and its aftermath suddenly

placed under US supervision a whole collection of territories, namely, Cuba, Puerto Rico, Guam, and the Philippines, and to Roosevelt's delight, the US became an actor on the world stage across two oceans. As assistant secretary of the Navy under McKinley — a job that should have been virtually meaningless but that he turned into a power center — he urged on the war. As a Rough Rider, he had fought in it. As president, he would work to make Americans understand that their new global prominence was a long-term proposition.

Roosevelt had sounded the first chords of the American Century, but the Spanish-American War was a quick and easy victory. Although it was followed by a bloody anti-American insurgency in the Philippines, for the most part he did not live to see the lethal predicaments a global power can face. We'll never know how he might have handled Vietnam or Iraq. His expansionist impulse did, however, have an idealistic side; he talked about spreading democracy. And you could see its legacy in later developments like the Marshall Plan. But every time the US contrived to overthrow an elected leader abroad who proved resistant to American aims, some of Teddy's legacy was also at work. There could not have been a more literal legacy than the 1953 coup engineered by the US to oust Mohammed Mossadegh, the Iranian prime minister who attempted to nationalize his country's oil industry. The CIA officer in Tehran who choreographed the overthrow was TR's grandson Kermit (for whom the West Texas town is named).

Next month, we examine Roosevelt's gifts to America's future.

THEN & NOW
 SEPTEMBER
QUIZ

What oil-producing area is reported to be England's first possession in North America?

ANSWER TO MAY'S QUIZ

The arrival of the giant dirigible airship Hindenburg in New York City in May 1936 was heralded as a new transportation development of considerable potential interest to the oil industry.

MAY'S WINNER
 Fred Growcock

If you would like to participate in this month's quiz, e-mail your answer to contest@spe.org by noon September 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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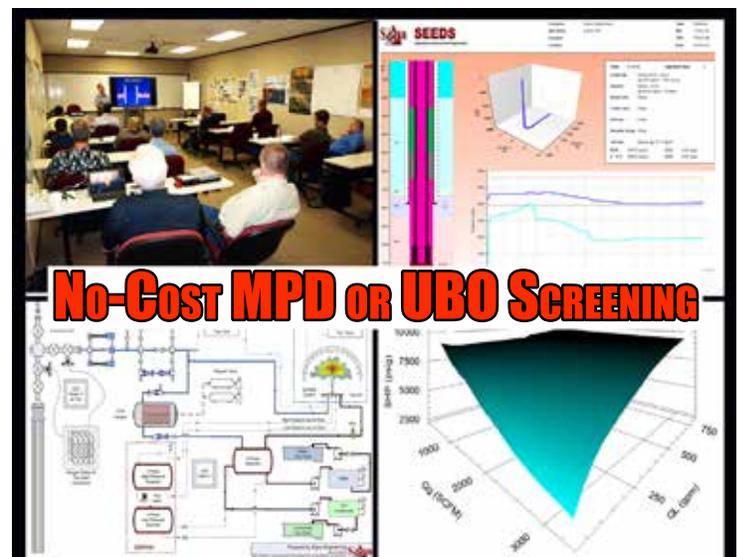
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EVENT INFO

Thursday 9.1.16
11:30 AM - 1:00 PM

SPEAKER

Trey Mebane
VP of Innovation
National Oilwell Varco

LOCATION

Norris Center - Westchase
9990 Richmond Ave, Ste 102
Houston, TX 77042

EVENT CONTACT

Kitty Harvey
281-901-3245
Kitty.harvey@c-a-m.com

MEMBERS

\$40/\$50 Walk-In

NON-MEMBERS

\$45/\$50 Walk-In

RESEARCH & DEVELOPMENT

**Developing Innovators -
Corporate or Entrepreneurs**

Our industry is continuously challenged to improve itself in a manner that results in a more efficient (and safer) supply of hydrocarbons at a global level. So where will the next big idea come from? What determines which ideas make it and which ones fail? Why do some ideas make it that shouldn't? In short, how do we ensure value creation beyond simple survival of the fittest or luckiest?

Like most skills, innovation can be taught, developed and cultivated. When creating corporate innovators or entrepreneurs, this means a focus on developing talent in three key areas: technical skills, application skills, and leadership skills. Developing competencies in these areas helps reduce ventures' risks and ensures a focus on creating value.

TREY MEBANE

Trey Mebane serves as Vice President of Innovation for National Oilwell Varco. He has focused his 25-plus-year career on "wealth creation through innovation" for the companies he has served. In his current role, Mebane focuses on innovation strategies that leverage his experience base to help establish a culture of innovation for NOV through commercialization management, business/technology scouting, and NOV Ventures (a talent development program).

While at NOV, Mebane has held leadership in software development, R&D, engineering, marketing, strategic planning, and business development.

Mebane holds a degree in computer science from Texas State University, where he graduated with honors, and a master's in technology commercialization from The University of Texas at Austin. There, he received the George Kozmetsky Award for Academic Excellence and the program's Outstanding Student Award.

**2015 PROFESSIONAL ENGINEERING EXAM
RESULTS FOR PETROLEUM ENGINEERING**

First Timers 61% Second+ Timers 32%
National Average Pass Rate 54%

PE Exam Application Deadline Date: September 1, 2016
Next Petroleum PE Exam Date: October 28, 2016

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DRILLING

Efficiency and Aggressiveness in Performance Drilling - Effects On Drilling Mechanics, Drilling System Analysis, and Hole Opening Applications

The terms efficiency and aggressiveness play key roles in performance drilling, with regards to project planning and execution. They influence drilling system (bit & reamer/BHA/drive system, hydraulics, drilling parameters, etc.) design for different applications. The system then impacts how projects are executed, which then determines how success is measured in actual field situations.

There are several different positions on what the two terms are and what they represent. Consequently, their perceived influences on the performance drilling process also generate lots of debate. Certain groups assume the two terms to be the same; others argue for an inverse relationship. This situation has arisen primarily due to the lack of practical, field-driven definitions for the terms from a drilling dynamics standpoint. As a result, their actual effects on product development, drilling system analysis, and performance drilling remain inconsistent.

This discussion will define efficiency and aggressiveness from a practical, field-driven perspective, with supportive data. The effects of the two terms on product development, drilling system analysis, and performance drilling will also be discussed. Most importantly, their effects on bit/reamer development and matching, BHA design, and drilling system analysis in "hole opening applications," particularly in harsh environments, will be discussed.

GRAHAM MENSA-WILMOT



Graham Mensa-Wilmot is a Senior Advisor, Drilling Engineer in Chevron's Energy Technology Company. Mensa-Wilmot is the MAXDRILL (performance drilling) project leader. He has more than 28 years of experience in drilling applications research, downhole tool development, drilling vibrations identification and remediation, drilling mechanics, drilling system design and analysis, and drilling performance improvement. He has authored 42 technical papers and holds 36 patents.

Mensa-Wilmot is a recognized industry leader on performance drilling. He serves on the SPE/IADC Drilling Conference Program Committee and the SPE Drilling and Completions technical review committee. He serves on the JPT editorial committee, as technical editor for the Bits/BHAs and Performance Drilling. He serves as a 2016/2017 SPE distinguished lecturer. Mensa-Wilmot holds an MS degree in drilling engineering from Romania's University of Petroleum and Gas in Ploiesti.



EVENT INFO

Tuesday 9.6.16
11:30 AM - 1:00 PM

SPEAKER

Graham Mensa-Wilmot
Senior Advisor-Drilling Engineer
Chevron's Energy
Technology Company

LOCATION

Petroleum Club of Houston
1201 Louisiana St, 35th Floor
Houston, TX 77002

EVENT CONTACT

Tom Wick
713-806-2631
Fieldwick2@gmail.com

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GENERAL MEETING

Outrunning the Bear - Pursuing Latent Value as a Game-Changing Strategy

Low oil and gas prices are a gift to our industry. They challenge us to find new ways to survive and thrive under much more demanding economic conditions. They also create an opportunity to rethink the fundamental strategies that underpin our growth and competitiveness. Is there a better way to compete and grow?

This presentation offers a strategy that is widely applied in manufacturing industries, but that has been overlooked in ours. Under it, we compete not just on economic performance, but also on the rate of innovation. We forgo the pursuit of project delivery, and benchmarking against each other, in favor of the pursuit of absolute value capture and the enabling of strategic aspirations through a deliberate process of target setting.

The presentation is aimed at senior managers in operator, contractor and supplier companies who are navigating the stormy waters of today's energy business, seeking a new way to compete in the future.

ROBERT ORLEAN



Robert Orlean is the founder of Orlean Technical Solutions, which helps clients craft compelling strategies and capture dramatic improvements in their projects, designs and services. Clients around the globe have used Orlean's approaches and tools to enhance their projects' profitability, create competitive advantage, and solve complex problems in the upstream, midstream and downstream

sectors of the energy industry. Customers include most major oil companies, equipment suppliers, and contractors.

Orlean is a graduate mechanical engineer from the University of London's Imperial College. He is also a Certified Value Specialist by SAVE International and a member of SPE. He is certified as an Innovation Master by the Invention Machine Corporation. Before founding Orlean Technical Solutions in 1998, he worked for Shell Oil Company on a wide range of onshore and offshore design and construction projects as an engineer, researcher and manager.



EVENT INFO

Thursday 9.8.16

11:30 AM - 1:00 PM

SPEAKER

Robert Orlean
Founder
Orlean Technical Solutions

LOCATION

Petroleum Cub, 35th Floor
1201 Louisiana St
Houston, TX 77002

EVENT CONTACT

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

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NORTHSIDE

Class II SWD Disposal Well Issues: Myth Vs. Reality...and Impacts We Can Anticipate

Laura Capper discusses findings from her firm's upcoming report on disposal well practices in upstream oil and gas. Topics will include the root causes of induced seismic activity on a basin-by-basin basis, changes in regulations, media portrayal of issues, community responses, potential impacts on upstream operations, plausible alternatives and costs for SWD disposal, and mitigating practices operators can employ today.

LAURA CAPPER



CAP Resources is a Houston-based oil and gas and technology consultancy that specializes in market assessment, strategy development for emerging market opportunities, technology commercialization, operations planning, due diligence/transaction support services, and aggressive growth strategies for oil and gas technology, operating, and service companies and their investors.

The firm's president, Laura Capper, brings 25 years of experience in managing technology commercialization and aggressive growth strategies for public and private companies, including integrated oil and gas companies, oilfield service companies, technology transfer offices, and private equity and venture capital firms.

Prior to founding CAP Resources, Capper oversaw business development for Advanced Micro Devices in the San Francisco region, ran North American Sales for Landmark Graphics (now a Halliburton company), and held management roles at four venture capital-backed emerging energy technology companies. Capper holds a BS in electrical engineering from Rice University.



EVENT INFO

Tuesday 9.13.16
11:30 AM - 1:00 PM

SPEAKER

Laura Capper
 President
 CAP Resources

LOCATION

SWN
 10000 Energy Dr
 Spring, TX 77389

EVENT CONTACT

Jon Spencer
 281-844-0104
jon.spencer@tracerco.com

MEMBERS

\$35/\$50 Walk-In

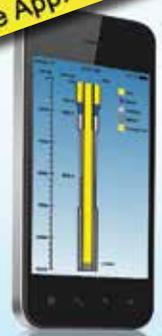
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- Slurry volumes
- Fluid positions
- Wellbore schematic
- US and metric units


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PROJECTS, FACILITIES & CONSTRUCTION

Verifying Performance and Capability of New Technology for Surface and Subsurface Facilities

As seen in the US shale oil revolution, the development of new technology helps reduce capital costs, simplify production, increase the capacity of facilities, and, in some cases, make marginal projects profitable. While dealing with significant risk, the challenge of progressing technology can be overcome through technology qualification. A technology qualification program (TQP) identifies risks and takes the correct steps to mitigate rather than avoid them.

This lecture summarizes the required steps in qualifying technology and how to track technology development through the technology readiness level (TRL) ranking system. Some pitfalls of TQP execution will be discussed, as well as the dangers of taking shortcuts. Data from a recent subsea separation qualification program will be presented. The TRL has evolved more quickly and gained more industry acceptance than the TQP. Nonetheless, continued standardization of both the TQL and TRL is needed to reduce the cost of developing technology and allow faster implementation.

Event schedule:

11:00 AM to 11:30 AM – Sign-in and networking

11:30 AM to 1:00 PM – Lunch and presentation

1:00 AM to 1:30 PM – Networking and close

ED GRAVE



Ed Grave is Upstream Senior Technical Advisor for fractionation and separation at ExxonMobil Upstream Research Company in Spring. Recognized in the company for his expertise in advancing new technology, he led ExxonMobil's effort to design and qualify a separation system for ultra-deepwater. Grave initiated and is the technical chairman of the joint industry Separations Technology

Research Program on qualifying separation equipment. He also served as vice chair of SPE's Separation Technology Technical Section. Grave graduated from New Jersey Institute of Technology with an MS degree in 1982. He began his career at Lummus and joined Mobil Research & Development Company as a mass transfer specialist in 1990.

NOTE: All attendees to this event MUST pre-register & pre-pay. It is mandatory for this event to accommodate the ExxonMobil campus security protocols. Access will not be granted into the campus without it.



EVENT INFO

Wednesday 9.14.16

11:30 AM – 1:30 PM

SPEAKER

Ed Grave

Senior Technical Advisor
ExxonMobil Upstream
Research Company

LOCATION

ExxonMobil Campus
Town Hall-A
22777 Springwoods Village Pkwy
Spring, TX 77389

EVENT CONTACT

Sean Liburd
713-412-4310

sliburd@gateinc.com

Christopher Voinche
832-619-4580

Christopher.voinche@bp.com

MEMBERS

\$40

NON-MEMBERS

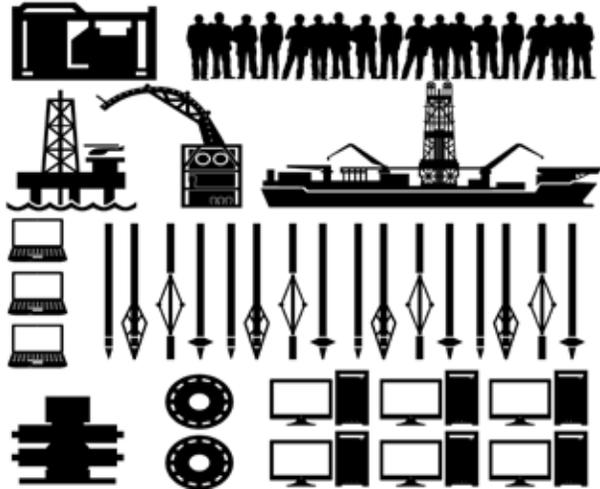
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MEMBERS IN TRANSITION

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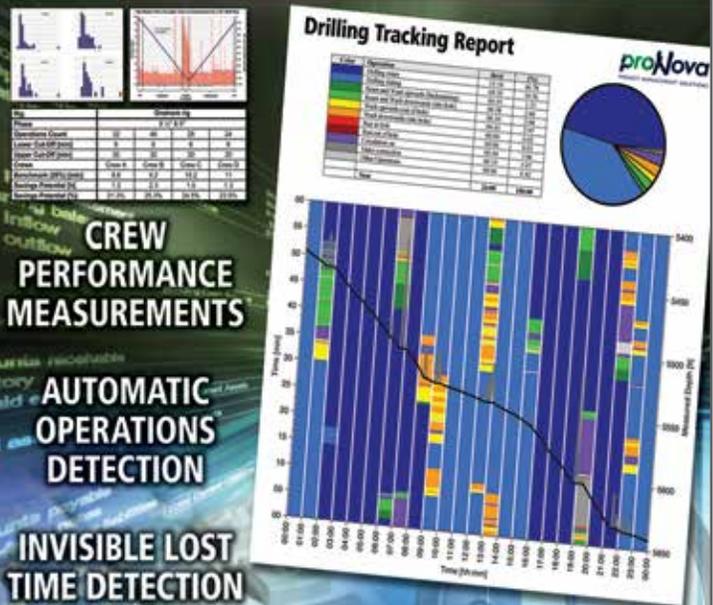
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WESTSIDE

Diagnostic Evidence for Advancing Diversion-Aided Completions

Fiber optic technologies (DTS/DAS) and production logging measurements in North America have repeatedly demonstrated that limited entry conditions (i.e., back-pressure) persist for only a few minutes after proppant reaches the primary casing exit points. This identification of a real and material problem with respect to fluid exit efficiency indicates that limited-entry alone is not sufficient, and some enhanced strategy must be deployed. Diversion technology has been introduced to provide improvements to this result. This presentation will describe the current state of diversion technology being used in new wells to impact the fracture initiation point count spacing and cluster flow efficiency.

Recent advances in fiber optic technology utilized both during the stimulation process and during production afterward have demonstrated that flow is actually four-dimensional in nature and dynamic over time. During pumping operations, there can be chaotic arrangements of casing exit points that allow flow (breakdown) and no flow, as well as wild temporal fluctuations in cluster-specific flow rates. Adding diversion strategies to this already dynamic environment has further escalated the complexities observed, while revealing the necessity to define the fundamental system influencing variables that affect the success of the diversion outcomes.

Measuring completion parameter sensitivities with standard diversion practices is much less reliable as compared with integrating a systematic engineered approach that addresses the root causes of the high-variability. New methods being investigated are seeking to tighten the window of uncertainty associated with chemical diversion, thus enabling a greater understanding of the diversion process, and facilitating more effective calibration of pumping and completion designs based on diagnostic measurements.

MATTHEW LAHMAN



Matthew Lahman is a Global Product Champion for Halliburton in Houston. He began his career in 2008 as a hydraulic fracturing field professional working in the Haynesville/Bossier shale and tight gas formations in north Louisiana and east Texas, including technical oversight of over 600 unconventional frac stages. Lahman leverages his field experience in the research and development and global support of applied engineering methods to maximize the conductive exposed induced fracture area generated through stimulation to improve recovery factors. He facilitates collaboration and field process development between geographies and disciplines in support of Halliburton's strategic objectives. He is an SPE member and holds a BS degree from Louisiana Tech University.



EVENT INFO

Wednesday 9.14.16

11:30 AM - 1:00 PM

SPEAKER

Matthew Lahman
Global Product Champion
Halliburton

LOCATION

Norris Center - Westchase
9990 Richmond Ave, Ste 102
Houston, TX 77042

EVENT CONTACT

Stephen Loving
713-328-2244
stephen.loving@corelab.com

MEMBERS

\$40/\$45 Walk-In

NON-MEMBERS

\$45

MEMBERS IN TRANSITION

\$15



EVENT INFO

Monday 9.19.16

11:30 AM - 1:00 PM

SPEAKER

Loren Long
 Managing Director - Mexico
 Talos Energy, LLC

LOCATION

The Petroleum Club of Houston
 1201 Louisiana St, 35th Floor
 Houston, TX 77002

EVENT CONTACT

Mary Beth Snodgrass
 mbs@localconnect.com

Owen Jones
 owen.jones.exxonmobil.com

MEMBERS

\$40/\$50 Walk-In

NON-MEMBERS

\$50/\$50 Walk-In

MEMBERS IN TRANSITION

\$15

INTERNATIONAL

E&P in Mexico: The First International Operator's Perspective

On September 19, 2016, SPE-GCS International Study Group will host a luncheon with Loren Long of Talos Energy, LLC, who will speak on his company's experiences in the first rounds of bidding on Mexico leases following the Mexico Energy Reforms of 2014.

Talos Energy, LLC is an early entrant into Mexico's shallow water. In a consortium with two other companies, Sierra Oil & Gas and Premier Oil, during Mexico's Round 1 shallow water lease sale in 2015, four-year old Talos Energy won two blocks that total more than 160,000 acres.

The story of Talos Energy LLC is one of a seasoned team backed by two private equity providers to build a company in the Gulf of Mexico. The Houston company formed in 2012 with equity commitments of up to \$600 million from Apollo Global Management and Riverstone Holdings, to execute an acquire, develop and explore strategy based on 3-D seismic data in the Gulf of Mexico and lower Gulf Coast. It holds blocks in the Gulf of Mexico from High Island to Main Pass, in both shallow and deepwater areas.

Loren Long will also share Talos' experience working with Mexican regulators in preparing to drill the first non-Pemex exploratory well in 77 years. He will offer his perspective on the future of the oil and gas business in Mexico.

LOREN LONG

Loren Long is the Managing Director - Mexico for Talos Energy LLC, based in Houston. He has been with Talos since August 2014, but previously worked with the Talos management team at Phoenix Exploration from 2006 to 2011. In 2011, Long co-founded a private oil and gas company, Momentum Oil & Gas, which produced and explored in South Texas.

Long graduated from Stanford University with a BS in petroleum engineering in 1994 and immediately moved to Houston to work for Amoco as a drilling engineer. In late 1996, Long began working for Union Pacific Resources as a production and reservoir engineer in East Texas and the Gulf of Mexico shelf. In 2000, Long moved back to Houston, where he worked in various engineering positions with Anadarko Petroleum, Houston Exploration, Redman Energy, and Phoenix Exploration.

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RESERVOIR

Petrophysical and Fluid Flow Properties of a Tight Carbonate Source Rock Using Digital Rock Analysis

The evaluation of shale is complicated by the structurally heterogeneous nature of fine-grained strata and their intricate pore networks, which are interdependent on geologic factors including total organic carbon content, mineralogy, maturity, and grain-size. The ultra-low permeability of the shale rock requires massive hydraulic fracturing to enhance connectivity and increase permeability for the flow. To design an effective fracturing technique, it is necessary to have a good understanding of the reservoir characteristics and fluid flow properties at multiple scales.

Representative core plug samples from a tight carbonate source rock in the Middle East were characterized at the core and pore scale levels. 2D Scanning Electron Microscopy and 3D Focused Ion Beam-SEM analysis were studied to characterize the organic matter content in the samples together with (organic and inorganic) porosity and matrix permeability. The FIB-SEM images in 3D were also used to determine petrophysical and fluid flow (SCAL) properties in primary drainage and imbibition modes.

The organic matter was found to have an effect on the imbibition two-phase flow relative permeability and capillary pressure behavior and hysteresis trends among the analyzed samples. The data obtained from DRP provided information that can enhance the understanding of the pore systems and fluid flow properties in tight formations, which cannot be derived accurately using conventional methods.

DR. AVRAMI GRADER



Dr. Avrami Grader is an expert in multi-phase flow in porous media. He is a former professor at Penn State's Department of Energy and Mineral Engineering. Grader's research focused on two- and three-phase flow in porous media, transient pressure analysis with its effect on well testing and on reservoir engineering water influx problems, and multi-phase flow dynamics in the near wellbore domain, including wellbore mechanics. He has provided consulting services in X-ray CT imaging and image processing and analysis, including work in Germany, Brazil and the US. Grader holds a PhD in petroleum engineering from Stanford University and is a member of the Society of Petroleum Engineers of AIME. He also is author or co-author of 45 referred articles and/or published bound proceedings.



EVENT INFO

Tuesday 9.20.16

11:30 AM - 1:00 PM

SPEAKER

Dr. Avrami Grader
Chief Scientist
Ingrain Inc.

LOCATION

Sullivan's Steakhouse
4608 Westheimer Rd
Houston, TX 77027

EVENT CONTACT

Alexsandra Martinez
956-249-0994
adinorah.martinez@gmail.com

MEMBERS

\$40/\$50 Walk-In

NON-MEMBERS

\$50

STUDENT/MIT/RETIRED

\$10



EVENT INFO

Wednesday 9.21.16

11:30 AM - 1:00 PM

SPEAKER

Dr. Kristie S. McLin
Water Management Project Lead
ConocoPhillips

LOCATION

Houston Technology Center
410 Pierce St
Houston, TX 77002

EVENT CONTACT

Reshmy Mohanan
713-309-5238
reshmy.mohanan
@griffindewatering.com

MEMBERS

\$40/\$50 Walk-In

NON-MEMBERS

\$50/\$50 Walk-In

STUDENT/MIT/RETIRED

\$10

WASTE & WATER MANAGEMENT

Permian Unconventional Water Management: Collaboration to Develop Full Cycle Solutions

Sourcing water for the large multi-frac stimulations in West Texas is a well-known constraint on oil and gas development in the area. Additionally, large volumes of produced water have traditionally required disposal in injection wells. Rather than viewing these constraints only as challenges, ConocoPhillips' Permian Unconventional water management team realizes the tremendous and unique opportunity to address both issues by using treated produced water for reuse in hydraulic fracturing operations. With this perspective, water management strategy development has become a truly collaborative and integrative process that addresses the full life-cycle of water. To reduce implementation risks and improve economics in a safe and environmentally responsible manner, the Permian Unconventional Asset plans to initiate full field produced water reuse early in appraisal and development of the project.

DR. KRISTIE S. MCLIN



Dr. Kristie S. McLin is the Water Management Project Lead for ConocoPhillips' Mid-Continent Business Unit. McLin aligns and integrates all aspects of water management into a holistic strategy for the asset, including sourcing, transfer, storage, disposal, and reuse. McLin joined ConocoPhillips in 2012 as an inorganic geochemist in the technology division. Her prior experience includes research on optimizing water management processes for production and injection in engineered geothermal systems (EGS) at the Energy and Geoscience Institute at the University of Utah. She also consulted for the petroleum and geothermal industries on the impact of water-rock interactions on production and injection processes. She holds a BS and an MS from New Mexico Institute of Mining and Technology and a PhD from the University of Utah.

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HSSE-SR

Emerging Small Unmanned Aerial Systems (sUAS) Technology for the Oil and Gas Industry

A new breed of Remote Sensing (RS) platform known as Unmanned Aerial Systems (UAS) is emerging. UAS are widely used in “dull, dirty and dangerous” military applications and are now being applied to industry. Aircraft sizes range from 10 cm (micro air vehicle) to Global Hawks with wingspans as wide as 70 m. UAS can be equipped with a variety of interchangeable imaging devices and sensors such as digital videos; infrared cameras; thermal, multi-spectral and hyper-spectral sensors; synthetic aperture radar; laser scanners; chemical, biological, and radiological sensors; and weather-monitoring devices.

Small-sized UAS (sUAS) platforms will be ideal for aerial robotics in facility inspection and monitoring of deepwater production platforms, offshore and onshore facilities; in rapid response and assessment to monitor oil spills, in monitoring endangered species along oil and gas operation corridors; and in securing critical infrastructure from threats. Robotics technologies present an opportunity to develop reliable and deployable solutions to support business processes while removing personnel from the operating theater and accessing areas that would otherwise be difficult or impossible.

Dr. Balaji Ramachandran will discuss the exciting potential of sUAS in the oil and gas industry and share some of the latest research from the geomatics program at Nicholls State University. Ongoing research projects include characterization of Louisiana barrier islands, inspection of offshore platforms, infrastructure monitoring, and precision agriculture. An sUAS certification program is being designed to prepare students for UAS-related careers.

DR. BALAJI RAMACHANDRAN



Balaji Ramachandran, PhD, is the Associate Professor of Geomatics at Nicholls State University in Louisiana. In the past 10 years, Ramachandran has been responsible for developing the geomatics program at Nicholls. He has been awarded the Contractors Educational Trust Fund Super Endowed Professorship and T. Baker Smith Endowed Professorship for his efforts in helping build this new program. He also directs the state-of-the-art Geospatial Technology Center at Nicholls. He manages several projects on GIS applications, data-warehousing of regional GIS datasets, monitoring coastal erosion and subsidence using GNSS, and Internet-based GIS applications. He is also working on emerging technologies involving unmanned aerial systems for mapping barrier islands, monitoring critical infrastructure, oil- and gas-related industries, and terrestrial laser scanning for coastal erosion in Louisiana.



EVENT INFO

Tuesday 9.27.16
11:30 AM – 1:00 PM

SPEAKER

Balaji Ramachandran, PhD
Associate Professor of Geomatics
Nicholls State University

LOCATION

Marathon Oil Tower
5555 San Felipe St
Houston, TX 77056

EVENT CONTACT

Kathleen Antoine
713- 496-5456
Kantoine@hess.com

MEMBERS

\$40/\$50 Walk-In

NON-MEMBERS

\$50

STUDENT/MIT/RETIRED

\$15



EVENT INFO

Wednesday 9.28.16

5:00 PM - 7:30 PM

SPEAKER

Arthur E. Berman
Geological Consultant

LOCATION

TBD

EVENT CONTACT

Cody Felton
281-221-3042
Cody.felton@energynet.com

MEMBERS

\$40/\$55 Walk-In

NON-MEMBERS

\$45/\$55 Walk-In

STUDENT/MIT/RETIRED

\$15

BUSINESS DEVELOPMENT

Oil Economics: The Next Generation

The oil and gas industry is a cyclical business. Naturally, after a boom there is a bust, but what happens next? Some analysts forecast a return to \$30 oil, others predict the \$60-\$75 range, and others still are outside of both spectrums.

Please join us for a lively discussion that confronts opposing views of this uncertain new reality of the oil industry.

- What are the fundamentals of the current oil price (rally)? Why is it happening and for how long?
- How are refined products production and consumption trends impacting oil prices?
- What are the leading indicators of the next price fluctuations and when do you think these changes will occur?
- What factors make this boom-bust cycle unique?

ARTHUR E. BERMAN



Arthur E. Berman is a geological consultant with 38 years of experience in petroleum exploration and production. He consults for several capital groups and E&P companies in the energy sector. He frequently gives keynote addresses for investment analyst conferences, oil and gas association meetings, and professional societies.

Berman regularly contributes to CNBC, CNN, CBC, BNN, OilPrice.com, Bloomberg, Platts, The Financial Times, and The New York Times. He is a Director of the Association for the Study of Peak Oil & Gas USA, a Managing Director and contributor at now-archived The Oil Drum, an associate editor of the AAPG (American Association of Petroleum Geologists) Bulletin, and past Vice President and Bulletin Editor of the Houston Geological Society.

He has published more than 100 articles on geology, technology, and the petroleum industry during the past five years, with topics including petroleum exploration, oil and gas price trends, petroleum play evaluation, sequence stratigraphy, and petroleum geopolitics. He has also authored more than 20 articles and reports covering all major shale gas plays. He worked 20 years for Amoco Corporation (now BP) and 17 years as an independent geologist. He earned an MS in geology from Colorado School of Mines and a BA in history from Amherst College.

COMPLETIONS & PRODUCTION

Unconventional Strategies for Conventional Wells

Current market conditions have led many producers to change their strategies to improve efficiency, production, and cost savings. Many legacy wells hold the power to do these things with a little investment and strategy adjustment. This presentation will cover well candidates, procedures, and rig selection, as well as how to achieve new production through casing exits and the use of a work-over rig.

BOB CHITWOOD



Bob Chitwood serves as Vice President of Operations at Key Energy Services. He began his career in energy production 38 years ago as a rig operator for Updike Brothers Inc., where he was later promoted to Field Supervisor and Operations Manager. After Updike Brothers was acquired by Key in 1998, Chitwood became the Rocky Mountains Operations Manager and later the Rocky Mountains Division Manager.

Chitwood has extensive experience in downhole and wellbore processes and holds a well control certification. He has been trained in developing job safety analysis work plans and has been accredited by the International Association of Drilling Contractors Rig Pass safety program. Chitwood has also received training from the Center for Creative Leadership.



EVENT INFO

Wednesday 9.28.16

11:30 AM - 1:00 PM

SPEAKER

Bob Chitwood
Vice President - Operations
Key Energy Services

LOCATION

Norris Center - Westchase
9990 Richmond Ave, Ste 102
Houston, TX 77042

EVENT CONTACT

Shree Krishna
shreekrishna@gmail.com
919-413-9670

MEMBERS

\$40/\$50 Walk-In

NON-MEMBERS

\$50

MEMBERS IN TRANSITION

\$15

September Luncheon & Program

LOCATION

Carmelo's Italian Restaurant
14795 Memorial Dr
Houston, TX 77079

EVENT CONTACT

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

EVENT INFO

FRIDAY

9.9.16

11:00 AM

SPE-GCS YP Volunteering at the Houston Food Bank

Join the YPs to help the Houston Food Bank meet its goal of serving 100 million nutritious meals to the Houston community by 2018.

The YP Community Outreach Committee planned this event so that we can make a difference while getting to know more people from our industry.

We will help out at the warehouse. Projects will depend on the Food Bank's needs and may include inspecting/sorting food, repacking dry food into family-sized bags, and stocking/cleaning the emergency food pantry.

Volunteers are required to wear close-toed shoes and sleeved shirts.

REGISTRATION

spgcs.org/events/3310/

EVENT INFO

SATURDAY

9.24.16

8:00 AM - 12:00 PM

LOCATION

Antonio Lazo
832-854-2848
antonio.lazo@chevron.com

CONTACTS

The Houston Food Bank
535 Portwall St
Houston, TX 77029

Introduction to Management Consulting in Oil and Gas

Have you ever wondered what management consultants do in our industry? Would you like to learn more?

Topics at this event will include:

- An overview of the role management consultants play in the oil and gas industry
- How a petroleum engineer can transition into consultancy
- Hot topics currently shaping the industry
- An ex-engineer's experiences in management consulting
- An interactive case study from a real project
- Q&A on management consulting in oil and gas

The event is sponsored and hosted by Boston Consulting Group. BCG is a global management consulting firm with 12,000 employees and 82 offices in 46 countries. The firm advises clients in the private, public, and not-for-profit sectors, including more than two-thirds of the Fortune 500. BCG was ranked second in Fortune's "100 Best Companies to Work For" in 2015.

Drinks and cocktail food will be served. The event is limited to the first 50 registrants. Please sign up ASAP.

REGISTRATION

spgcs.org/events/3315

EVENT INFO

THURSDAY

9.29.16

5:00 PM - 7:00 PM

LOCATION

Boston Consulting Group - Houston
1221 McKinney St, Ste 3000
Houston, TX 77010

EVENT CONTACT

Doo Hyun Chung
909-451-3362
dchung@chevron.com

MEMBERS/NON-MEMBERS

\$40/\$50

Where Are They Now?

PAST SCHOLARSHIP WINNERS

The Scholarship Committee recently conducted a survey of past recipients of the SPE-GCS scholarship. If you're considering donating to the SPE-GCS scholarship fund or hiring an SPE-GCS scholarship winner, you'll be glad to know that the program has enjoyed considerable success over the past six decades. Here's winner Stephanie Currie's story:

My favorite college memory is the annual TAMU SPE golf tournament. This was an event I looked forward to every year. It was a great day of interaction between current and former Aggies with a mutual interest in oil and gas.

While in school, I served as TAMU SPE Treasurer and President. After graduate school, I went to work for Devon Energy. Devon had great rotation programming, allowing me to work for a full year in the field, where my time was spent on well locations, frac jobs and drilling rigs.

After a year, I moved to the office in Oklahoma City and spent a short time working operations before landing in my permanent role as a reservoir engineer.

In 2010, I was presented with an opportunity that I could not pass up (and not just because it got me back to Texas). I started working for a small, private equity-backed company called Double Eagle Energy Holdings. I have been with Double Eagle for almost two years working as a reservoir engineer focused on Permian and Rockies assets. I enjoy the fast-paced and quickly growing environment, and I believe that I am a part of a group that is taking advantage of current commodity prices.

The best part of receiving the SPE-GCS scholarship for me was the networking. I met industry professionals and other students who also received the scholarship at the banquets. My advice to current students is to make the most of the time that you have to get to know your fellow classmates. These are people that you will cross paths with during your career.

STEPHANIE CURRIE



CAREER OVERVIEW

Reservoir Engineer at Double Eagle Energy Holdings II

- Stephen F. Austin High School - 2004
- Texas A&M University - BS (2008) and MS (2010) in petroleum engineering

CONTACT

stephanie@deeh.com

SPONSORSHIP

spegcs.org/sponsorship-opportunity/

DONATION INFO

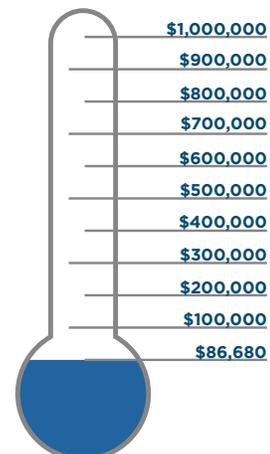
spegcs.org/spegcs-scholarship-fund/

SPE-GCS Scholarship Fund Update

We are excited to announce our third status update for our fundraising efforts. As of August 1, we have raised **\$86,680** to support our scholarship program! We have received donations from past scholarship recipients who wanted to give back, SPE-GCS Board of Directors members, GCS study group and committee leaders, SPE-GCS members and associates, and SPEi leaders, as well as company donations.

For more information about our scholarship fund, scholarship program, or our current donor list, please visit www.spegcs.org/spegcs-scholarship-fund/. You will find testimonials from past scholarship recipients and learn the impact that SPE-GCS scholarships had on their lives and careers. If you have not yet donated, we invite you to visit our website and support our efforts as a fellow member of the SPE-GCS family and fellow industry professional. As a reminder, all donations are tax-deductible. We also encourage you to find out if your company has a matching program that could make your individual donation go even further!

FUND STATUS



Members in Transition Initiative

EIGHTH SEMINAR SERIES

The SPE Members in Transition Seminar Series covers topics of interest to SPE members who are between jobs during the current industry downturn or who are looking for new career opportunities. The agenda for the eighth seminar in the series will include “Contracts and Legal Issues Impacting Careers,” “Getting Started in Consulting, Prospect Generation, Acquiring or Evaluating Assets,” “Entrepreneurship in Oil & Gas,” and a discussion of resources for SPE members

Program 1: Contracts and Legal Issues Impacting Careers

This session will address key issues that professionals in the oil and gas industry may encounter as employees or managers, including employment interviews; non-compete, non-solicitation, and anti-poaching covenants; reductions in force; and discrimination and harassment.



JACQUELINE ARMSTRONG

Jacqueline Armstrong has practiced employment law in Houston for over 25 years with a focus on the oil and gas industry. She has negotiated employment contracts and severance agreements as well as litigated non-compete covenants. Her practice also represents clients in civil rights cases. Because some of her work involves representing small businesses, Armstrong understands circumstances from both management and employee perspectives.

Program 2: Getting Started in Consulting, Prospect Generation, Acquiring or Evaluating Assets.

There are four main building blocks to your independent, upstream E&P LLC. Each of these interrelated building blocks can be used on their own or together to accomplish your goals. This session will provide a roadmap to setting up an LLC, recommendations to initiate each step, specific experiences, and successful outcomes.



BILL FAIRHURST

Bill Fairhurst has been involved in most US resource plays prior to the resource revolution. He and his teams have discovered dozens of new fields throughout the United States. He has successfully led teams in technical and general management positions and as President/CEO and COO. Fairhurst has obtained equity and debt financing for multiple organizations, including his own firms.

Program 3: Entrepreneurship in Oil and Gas

The industry downturn has decimated many companies, with capital spending cuts and large layoffs. However, the need for innovation has never been greater as the world requires more affordable and secure energy sources. This session will explore the role and risk profiles of entrepreneurs and we will compare entrepreneurship in the oil and gas sector vs. Silicon Valley, providing guidance on decision-making.



JIM SLEDZIK

Jim Sledzik, senior partner and president of the US office of Energy Ventures, has more than 26 years of experience in oil and gas. Sledzik previously served as the Global Marketing & New Technology Director and Vice President of Multiclient Services for WesternGeco and as a Global Account Director for Schlumberger. He holds an MBA from the University of Pittsburgh and a BS in geosciences from Pennsylvania State University.

EVENT INFO

FRIDAY

9.9.16

10:00 AM – 3:00 PM

SPEAKERS

Jacqueline Armstrong
Attorney & Counselor at Law
Armstrong & Associates

Bill Fairhurst
President and President/CEO
Riverford Exploration LLC and
PetroTex Energy Partners, LLC

Jim Sledzik
Senior Partner and President, Houston
Office
Energy Ventures

LOCATION

Houston Technology Center
410 Pierce St
Houston, TX 77002

EVENT CONTACT

Susan Howes
713-553-5020
c.susan.howes@gmail.com

Alex McCoy
713-366-5653
alexander_McCoy@oxy.com

MEMBERS

\$40/\$50 Walk-In

NON-MEMBERS

\$50

STUDENTS/TRANSITIONING

\$15

Registration capped at 70

SPE-GCS 2016 Mergers, Acquisitions & Divestments Symposium

The Business Development Study Group of the SPE Gulf Coast Section invites you to the inaugural SPE-GCS Mergers, Acquisitions & Divestments Symposium. The symposium is an annual one-day workshop welcoming young and mid-career professionals to the commercial and transactional side of the oil and gas industry.

The MA&D Symposium will provide an overview from deal conception to deal closing featuring keynote and session talks and discussions by A&D experts, as well as generous opportunities for networking with about 100 industry peers.

As the current state of the industry applies stress to operators, strategic portfolio management becomes an important driver in creating shareholder value or even survival. The MA&D Symposium will provide detailed insights into the role, process, workflow, participants, and practices of deal-making to give participants the knowledge and network they need to consider opportunities as an A&D professional.

We look forward to seeing you at the renowned Petroleum Club of Houston for a day of knowledge sharing, networking and fraternity.

RON HARRELL



The MA&D Symposium will kick off with a keynote talk by recognized industry expert Ron Harrell. Harrell is a petroleum engineering graduate of Louisiana Tech University and Chairman Emeritus of Ryder Scott Company, Petroleum Consultants. He retired as Chairman in May 2006. Harrell remains active in the industry as a licensed engineer in three states and serves on several management and advisory boards for corporations, not-for-profit organizations, and universities. He is a Senior Advisor to RSK(UK)LTD, as well as The Carlyle Group and Morgan Stanley private equity energy divisions.

AGENDA

- 7:45 AM Registration and continental breakfast – Networking
- 8:10 AM Welcome and overview from conference chairman
- 8:20 AM Keynote: Ron Harrell, Chairman Emeritus, Ryder Scott
- 8:50 AM Session 1: Strategy, Identification & Screening*
- 10:20 AM Session 2: Production, Reserves, Assets & Valuations*
- 11:30 AM Luncheon featuring MA&D talk by prominent industry executive
- 1:00 PM Session 3: Bid Formulation, Review & Approval*
- 2:45 PM Session 4: Due Diligence, Finalizing the Deal & Ethical Considerations*
- 4:15 PM Session wrap-up & MA&D Game: team-building exercise
- 5:00 PM Networking social begins
- 5:30 PM Teams submit bids for MA&D Game and winners announced
- 6:30 PM Adjourn

*Conference sessions will be followed by networking breaks and refreshments

EVENT INFO

THURSDAY

10.20.16

7:45 AM – 6:30 PM

SPEAKERS

Ron Harrell
Chairman Emeritus
Ryder Scott Company, Petroleum
Consultants

LOCATION

Petroleum Club of Houston
1201 Louisiana St, 35th Floor
Houston, TX 77002

EVENT CONTACT

Patrick Jelsma
713-335-9050
patrick.jelsma@drillinginfo.com

REGISTRATION

Opens August 22. For more information, registration, and updated pricing, please visit spegcs.org/study-groups/business-development/

MEMBERS/NON-MEMBERS

TBD



SPE-GCS 33rd Annual Tennis Tournament

The 33rd Annual Society of Petroleum Engineers Gulf Coast Section Tennis Tournament will be Thursday, November 3 and Friday, November 4 at Copperfield Racquet & Health Club, 15700 Longenbaugh Drive, Houston, TX.

Proceeds from the tournament benefit the SPE-GCS Scholarship Fund. In combination with other section functions, there have been 33 new scholarships for incoming college freshman studying petroleum engineering, math and sciences, as well as 70 renewed scholarships for sophomores, juniors and seniors to continue their education in petroleum engineering. More than \$3 million in scholarships have been awarded since 1963 through this program.

In 2015, we had a successful tournament with over 70 players participating. Registrations and sponsorships raised \$10,000. After tournament expenses, net proceeds of over \$1,000 were contributed to the SPE-GCS Scholarship Fund.

Sponsors are an essential part of making this event a success. All sponsors will be recognized in the tournament program and on the sponsorship billboard exhibited throughout the tournament. Please see the Sponsor Form for sponsorship levels. In-kind donations for ditty bags and door prizes are also accepted.

The 2016 SPE-GCS Tennis Committee looks forward to seeing everyone for two fun-filled days of tennis!

QUESTIONS

Erin Chang
281-892-4720
erin.chang@bp.com

LOCATION

Copperfield Racquet & Health Club
15700 Longenbaugh Dr
Houston, TX 77095
281-463-2582
copperfieldclub.com

START TIMES

Mixed Doubles
6:00 PM Thursday, November 3

Tournament Doubles
9:00 AM Friday, November 4

DEADLINE

October 28, 2016
Participation is limited!
Entries accepted on a first-come, first-served basis.

Thursday / Friday
November 3 - 4

EVENT INFORMATION

There will be two flighted round robin events:
Mixed Doubles - Thursday evening, November 3
Tournament Doubles - Friday, November 4

The tournament doubles event is open to men and women and is a combined bracket. Partners may be of the same gender or mixed.

The committee will assist players who do not have a partner for any event.

FLIGHTING

Championship - Advanced players
A - Regular and advanced players
B - Intermediate players
C - Non-regular players and beginners

The SPE-GCS Tennis Committee reserves the right to allocate players to a different flight if necessary. Please rank yourself on the honor system.

WHAT TO EXPECT

Lots of tennis, meeting old friends and making new ones. Door prizes, T-shirts, awards, meals and beverages.

Thursday - Light dinner

Friday - Breakfast, lunch and snacks

Hit & Grab - Friday after lunch

Award presentations, door prizes & heavy appetizers - late Friday afternoon - 4 PM

RULES OF ENTRY

The event is open to members, nonmembers, guests, and friends of SPE. The only restriction is that tennis professionals are not allowed.

REGISTRATION

Thursday, November 3 - 4:00 - 6:00 PM

Friday, November 4 - 8:30 - 9:00 AM

IMPORTANT NOTICE

All paid participants must wear their name tags during this event to have access to the food and drinks.

ENTRY FEES

\$125.00 per person - Fee covers tournament and mixed doubles for an individual player.

\$50.00 for those only playing mixed doubles.

\$25.00 - Spouse/guest (not playing)

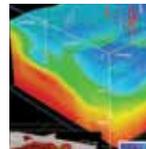
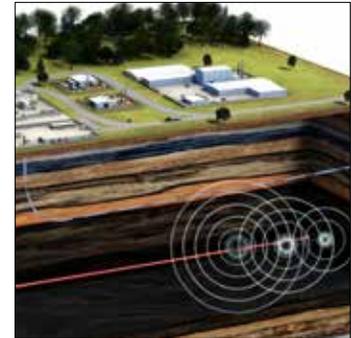
Fees are due with entry form.

Please visit the link below for registration & sponsorship forms:

<http://www.spegcs.org/events/3357/>



Thank you to all those who attended the
**SPE-GCS-RPSEA Best of RPSEA: Onshore
and Ultra-Deepwater Technology Conference**
August 30 - 31, 2016 at the San Luis Resort in
Galveston, TX.



RPSEA continues to move forward with the role of being an objective partner in industry-wide collaboration among operators, service companies, academia, and the US Government in the pursuit of better safety, and environmental practices, while improving exploration and production of energy resources.

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RPSEA is a 501(c)(3) nonprofit multi-purpose entity established to facilitate a public-private cooperative effort to identify and develop new methods for safely exploring, producing, and transporting-to-market energy or other derivative products.

SPE-GCS STUDENT CHAPTER PAGE

TAMU-SPE

Texas A&M Wins Outstanding Student Chapter

For the second consecutive year, Texas A&M University's SPE Student Chapter has won the Outstanding Student Chapter Award. It is the highest honor that a student chapter can receive and is given to the chapter that best demonstrates exemplary effort in industry engagement, planning and operations, community involvement, innovation, and professional development.

"I am so proud of our student chapter for winning this award a second year in a row," said Shawn Guice, this past year's TAMU-SPE President. "Every year we aim to raise the bar higher, and this year was no exception, despite the state of the industry."

This marks the 11th time Texas A&M has been selected for this award since its inception in 1995.

"The Core Values of Texas A&M University include loyalty, integrity, leadership, excellence, respect, and selfless service," said current chapter President Alex Lambros. "I truly believe that these values have enabled the TAMU-SPE Student Chapter to achieve the Outstanding Student Chapter Award time and time again."

This distinction would not have been possible without the hard work of every member, committee, co-chair, director, board chair, faculty advisor, and the 2015-2016 leadership team:

- Shawn Guice, President
- Courtney Brown, Vice President
- Kevin Ding, Treasurer
- Karin Gonzalez, Secretary
- Johannes Alvarez, Graduate Representative

With another great leadership team, Texas A&M will continue to build upon its previous success and convey the quality of its students to the industry.



RICE-SPE

Social Event in Hermann Park

On July 31, the Rice University SPE student chapter invited all of our SPE members to a picnic social event in Hermann Park. During the event, everyone had the chance to meet and network with fellow SPE members. We also helped people learn more about our organization and recruited future SPE members.

Pre-Career-Fair Events

On August 31, we hosted Resumania to help members prepare for the upcoming career fair. During this event, industry representatives offered insightful suggestions on how to prepare an outstanding resume.

For September, we have organized several mock interview workshops with Rice alumni and other professionals. Such workshops help students practice interview skills so that they're better prepared to meet with potential employers.

We would like to express our deep gratitude and appreciation to SPE-GCS, Rice alumni, and industry representatives for their tremendous support with these events.

A Special Invitation: Advisory Board

We invite both Rice alumni and industry representatives to give student members advice and help them build personal connections. If you are interested and willing to support us through this advisory board, please contact Pengfei (Patrick) Dong, pd18@rice.edu

SPE-GCS STUDENT CHAPTER PAGE

UH-SPE

UH-SPE Qualifies for PetroBowl Championship at ATCE 2016

The PetroBowl competition was founded in 2002 by the Society of Petroleum Engineers Gulf Coast Section. It's held annually in conjunction with the SPE Annual Technical Conference and Exhibition (ATCE).

Ranked against 129 other teams from 37 countries, the University of Houston SPE PetroBowl team has qualified to attend the global competition in Dubai. This is the first time our chapter has qualified since 2012. UHSPE is also the only chapter to have qualified from the Gulf Coast Section this year.

Right now, our team does not have the funding to attend the international competition. UHSPE has set up a GoFundMe campaign (tinyurl.com/UHPetrobowl) to accept donations. We sincerely appreciate any support to send our PetroBowl team to Dubai. Please contact us at petrobowl@uhspe.org to get information about the championship and to learn about corporate partnership opportunities.

Event contact email: petrobowl@uhspe.org

GoFundMe campaign: tinyurl.com/UHPetrobowl



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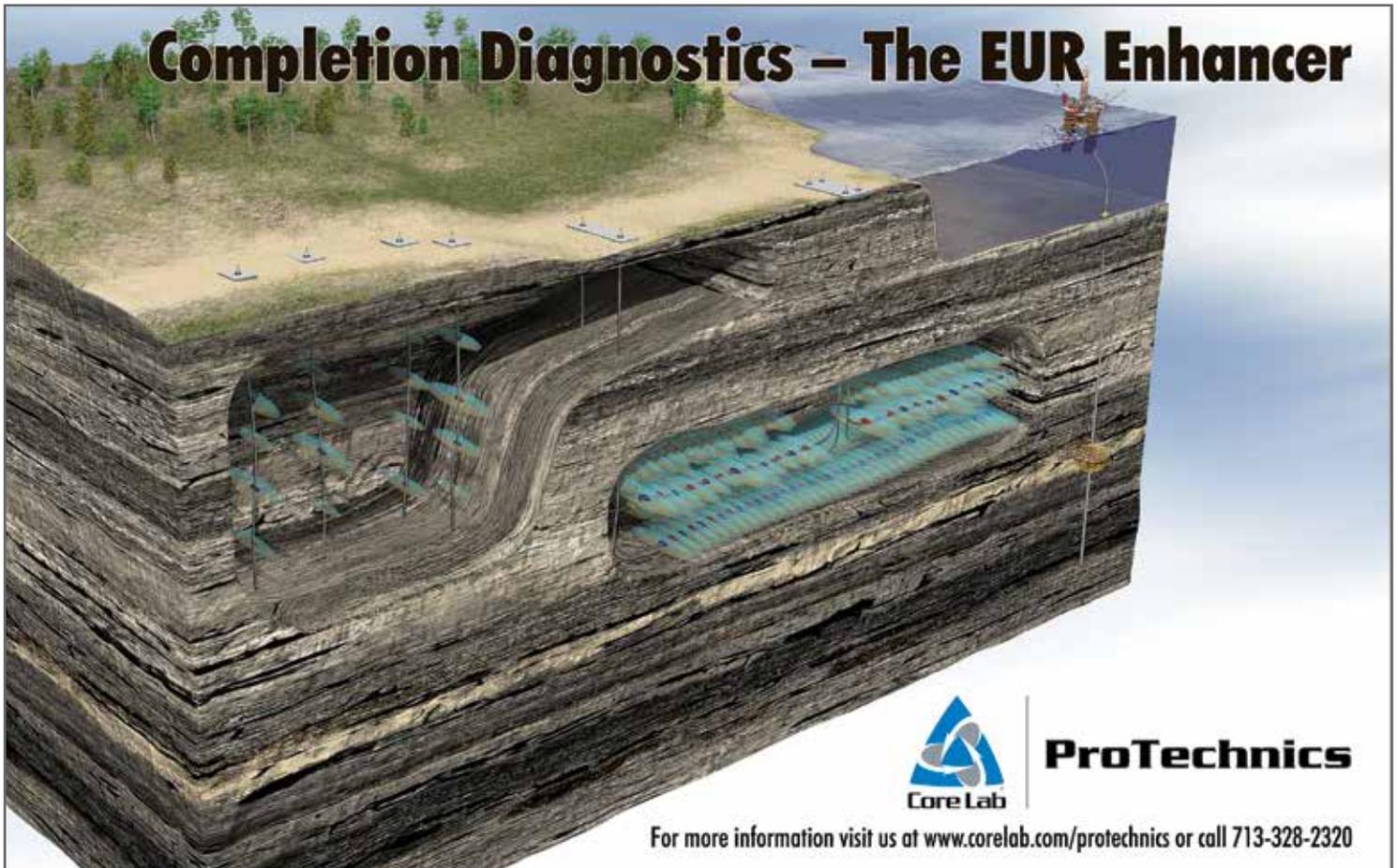
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P.O. Box 833836

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1.800.456.6863 | service@spe.org

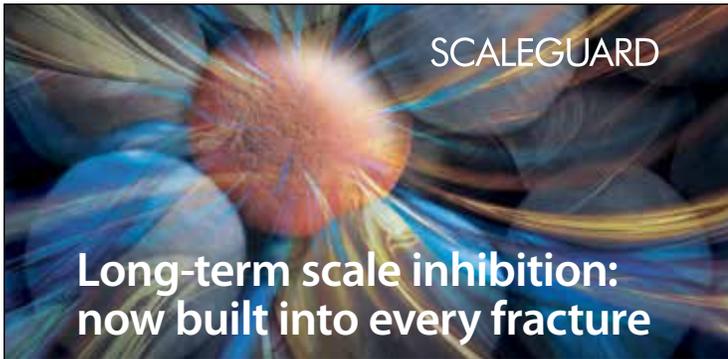
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September CALENDAR

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				Research & Development	1	2
		Drilling		General Meeting	Members in Transition (MIT) Auxiliary	3
4	5	6	7	8	9	10
11	12	Northside	PF&C Westside	Board of Directors	15	16
18	International	Reservoir	Waste & Water Mgmt.			Young Professionals
19	20	21	22	23	24	25
25	26	HSSE-SR	Business Development Completions & Production	Young Professionals	29	30