



Gulf Coast Section

NOVEMBER
2014

CONNECT

SPE GULF COAST SECTION NEWSLETTER

RESOURCE DEVELOPMENT, MARKET DYNAMICS AND POTENTIAL DEMAND

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CHAIR'S CORNER



JEANNE PERDUE
2014-2015 SPE-GCS Chair

Do you have a mentor? Are you a mentor? A mentor is someone who imparts wisdom and shares knowledge with a less experienced colleague, guiding, training, and giving advice along the way.

This is not something new; it goes all the way back to Homer's *The Odyssey*, where Mentor was a friend of Odysseus and looked after his sons and his palace when Odysseus left for the Trojan War.

Mentoring in the Middle Ages took the form of apprenticeships, where future artisans and craftsmen were provided room and board and on-the-job training until they could attain a level of skill on par with their masters, at which point they set off on their own to hang out a shingle in the marketplace.

Today, SPE has an official eMentoring program, and members can sign up to be a mentor or be matched up with a mentor – or both! Because this is done electronically via email, participants can communicate across generations, borders, and time zones. The time period for this eMentoring relationship is only one year, but you can request an extension for another year. After exchanging resumes to get acquainted initially, you can agree to communicate weekly or monthly, whatever works for both of you. You can talk by phone, Skype, text or email – or all of the above. To register, visit <http://www.spe.org/ementoring/>.

I have had the opportunity to mentor a young lady in Benin, which gave me an opportunity to practice my French, and I've also talked via Skype with a young man on board a drilling rig offshore Nigeria. These experiences not only helped point these students in the right direction to accomplish their goals, but it also got me outside my comfort zone so that I could grow and develop, too. It's a win-win experience.

One of my mentees was Andrea Hersey, former Chair of the Young Professionals Board here in the Gulf Coast Section. I got the chance to see her grow from a BS degree to an M. Eng. degree from A&M, from an entry-level chemist to a manager, and from a cautious mediator into a confident leader. Andrea felt she could call me or email me anytime to ask for my two cents – and she always got a heck of a deal! Even though our official “term” is over, we still do lunch occasionally, and she

even invited me to her wedding – a Great Gatsby theme! It has been a real pleasure to help her reach for the next rung on the career ladder. And Andrea has also reached out as mentor to other young professionals and college students, showing them the well-worn path to success.

On November 18, the Permian Basin Study Group will be inviting high school students to attend their

luncheon. This would be an excellent opportunity to point some youngsters in the right direction to become future coworkers and SPE members. The speaker will be Fred Dupriest, retired Chief

Drilling Engineer from ExxonMobil, and his topic is “What We Need from This Generation and Steps to Help Them Achieve It.” Seven Lakes High School will be bringing members of its newly formed Petroleum Club to that study group luncheon. I hope that more study groups in our Section will invite high school and college students to their luncheons – or at least check the box for \$10 student pricing when entering the event info on our website. This is an excellent way to mentor students eager to find out more about what we do for a living.

I encourage every SPE member to adopt somebody, take that person under your wing, and mentor him or her. Managers can mentor future managers; experienced professionals (XPs) can mentor young professionals (YPs); YPs can mentor college students; college students can mentor high school students. Imagine if all 17,039 of the SPE members in the local 29-county area had a personal apprentice and helped that mentee climb the career ladder faster... We wouldn't even have to worry about the Big Crew Change!

Love, Jeanne

**“A mentor is someone
who allows you to see the
hope inside yourself.”**

– Oprah Winfrey

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BOARD OF DIRECTORS MEETING THURSDAY NOVEMBER 13TH / 7:30 AM TO 10:30 AM

Location **SPE HOUSTON OFFICE**

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

Event Contact **SHARON HARRIS**

713-457-6821 / 713-779-4216 FAX / sharris@spe.org



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SPE-GCS MEMBERSHIP REPORT September 2014

09.2014 | **08.2014**
 TOTAL: 15,780 | TOTAL: 15,644
 YP: 3,574 | YP: 3,515



VOLUNTEER SPOTLIGHT JULIA PATRICE CLARKE

	09.2014		08.2014	
SPE-GCS MEMBERS	TOTAL	YP	TOTAL	YP
New Members	112	51	178	92
Transferred to Section	9	6	6	5
Unpaid	3,012	1,165	3,067	1,184

STUDENT MEMBERS	PAID	UNPAID	PAID	UNPAID
Texas A&M	807	192	757	210
Rice	58	22	43	23
HCC	53	20	53	20
UH	341	170	327	173
Total	1,259	404	1,180	426

Total Paid/Unpaid	17,039	3,416	16,824	3,493
% Paid	83.3%		82.8%	

This month the SPE Gulf Coast Section wishes to acknowledge the efforts of Julia P. Clarke, PE and active volunteer on the Membership Committee, who has helped organize several events for our Section.

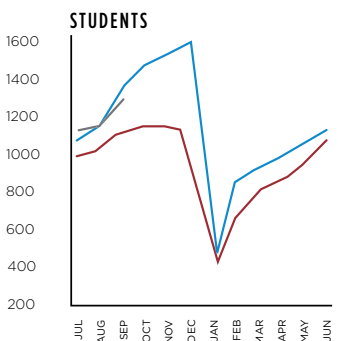
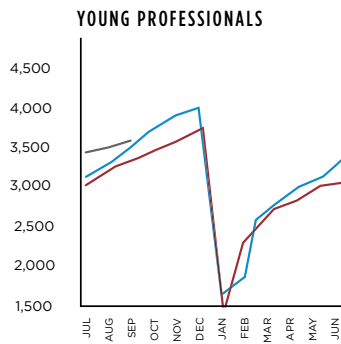
The first was the Membership Extravaganza held at Lucky Strike on August 28, 2014, which had 21 paid attendees. Julia garnered a \$1,000 sponsorship from her company, Fugro Consultants Inc. (Fugro), for the event and made all the food and beverage arrangements with the venue.

The second was the Wear Something Pink networking event supporting Breast Cancer Awareness Month at the Downtown Club Houston Center on October 9, 2014. Julia organized the wine tasting and hors d'oeuvres and garnered two sponsors for this joint event with the Society of Women Engineers – Houston Area Section.

The third event that Julia helped out with is the upcoming Poker Tournament, to be held at the HESS Club on March 28, 2015. As a member of the HESS Club, Julia was able to make arrangements for the buffet and cash bar and get member prices for our Section. She also worked with the HESS Club to arrange 12 Texas Hold 'Em tables and a craps table and a blackjack table for this scholarship fundraiser. Mark your calendars for this Oil Barons themed poker tournament – the first of what we hope to be an annual event.

In her day job, Julia is a Senior Project Professional at Fugro, acting as Lead Geotechnical Project Engineer on highway improvement projects. She mentors engineers in training on Fugro's commercial and infrastructure project team. While working, she has published technical papers in several American Society of Civil Engineers (ASCE) conference proceedings and in the *Applied Clay Science Journal*. Julia earned a BS in civil engineering (magna cum laude!) from the University of South Florida and an MS in civil engineering from Purdue University. She is a registered professional engineer in the State of Texas and is also a member of the American Society of Civil Engineers, the Society of Women Engineers, and the National Society of Black Engineers. In addition, she is a volunteer of the Houston Area Urban League by speaking to children on Saturdays at Engineering Day Conferences and an usher on Sundays at her local church, The Church without Walls.

2011-2012 2012-2013 2013-2014



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

THEN & NOW

COLUMN BY BUDDY WOODROOF

NOVEMBER
1977

Shortly after the virtual collapse of the planned Seadock Texas offshore oil port project, the corresponding LOOP offshore oil port project off Grand Isle, Louisiana, receives licensing approval from state and federal officials, and the five surviving partners of the project (Marathon, Texaco, Shell, Ashland, and Murphy) begin awarding construction contracts.

With domestic oil production only supplying one-sixth of domestic requirements, Petrobras reports plans to undertake shale oil and coal gasification projects.

French interests, with Elf-Aquitaine in the lead, launch a novel pilot scheme offshore Gabon in which they will dispense with conventional offshore platforms in favor of installing the necessary production equipment at the seabed directly on the wells. They project that deep offshore production of hydrocarbons, on this basis, will become practical within the next 10 years.

What was the highest priced oil company stock in late 1977? Would you believe Getty Oil? Remember the idiosyncratic oil magnate/world-class art collector J. Paul Getty?

NOVEMBER
1990

With OPEC at least temporarily Kuwait-less, thanks to Iraq's invasion, the 30th anniversary of OPEC sees one member on the ropes and two outsiders inquiring about joining the cartel. (Would you believe the Russian Federation and Trinidad and Tobago?)

With the turmoil in the Middle East, Africa's budding oil giant, Nigeria, is thrust into multinational oil players' future plans, with Shell leading the rush with a \$6.5 billion five-year investment plan in the country's oil future.

Meanwhile up north, the French and Indians are at it again, with the Mohawk Indian tribes squaring off against the Quebec provincial authorities over rights to potentially oil-productive land. (Believe it or not, it all got started over a dispute regarding land rights associated with a planned golf course.)

U.S. coal production hits an all-time record high, with the top producers being Wyoming, Kentucky, and West Virginia.

West Texas Intermediate crude oil - \$33.60/bbl; U.S. active rig count - 1,039

NOVEMBER
2003

With some leading international producers contemplating adopting the euro as their currency of choice for pricing oil contracts, the U.S. dollar is in a very precarious position.

At a maritime defense convention in Singapore, national defense ministers are warned of the threat of maritime terrorist attacks in the form of armed pirates. Concern is voiced over the possibility that these terrorists could even turn a supertanker into a massive floating bomb.

Asia's sustained energy demand has highlighted the growing discrepancy between China's growing thirst for oil vs. eastern and southeastern Asia's preference for cleaner natural gas.

Total starts up its Matterhorn deepwater Gulf of Mexico tension leg platform project incorporating state-of-the-art smart-well and completion diagnostic technologies.

**Light sweet crude oil - \$31.53/bbl;
Natural gas - \$4.85/MMbtu;
U.S. active rig count - 1,111**

THE REST OF THE YARN

This month we conclude our look back at the life and times of Henry Ford.

HIn 1943, Henry Ford II came to work at the family business. He was Edsel's oldest son and he had a cold-blooded streak that his father lacked. Henry Sr. immediately perceived the young man as a major threat to his control, and struggled to hang on to power. The senior Ford was now often absentminded, and the Ford family—including wife Clara—finally took action to ease him out. He retired in 1945 to his Dearborn estate, Fair Lane, and died there on April 7, 1947, at the age of 83.

Henry Ford changed the world as much as any business pioneer who ever lived. He did not invent the automobile, but he put it at the very center of our lives, permanently changing the American landscape and substantially shaping the future of the oil industry. Will Rogers said of Ford, "It will take a hundred years to tell whether he helped us or hurt us, but he certainly didn't leave us where he found us."

Next month we begin a look back at the life and times of the third in our series on the great American industrialists at the turn of the 20th century: industrialist Andrew Carnegie.

THEN & NOW
NOVEMBER
QUIZ

Name the first American multi-millionaire and the first American billionaire.

**ANSWER TO
OCTOBER'S QUIZ**

The world's first trunk oil pipeline was completed in 1874 and ran from what was known as the "Oil Region" of western Pennsylvania and adjacent New York, Ohio, and West Virginia to Pittsburgh. For the first year of its operation, the greatest hindrance to its success was the Pennsylvania Railroad, which refused to let the pipeline cross its right-of-way, thus forcing terminals to be built on both sides of the tracks and the oil to be transported across the tracks in tank wagons on a public highway.

SEPTEMBER'S WINNER

Eugene Kim with Talos Energy

If you would like to participate in this month's quiz, e-mail your answer to contest@spe.org by noon, November 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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An offshore oil rig is shown at sea, with a large derrick structure rising from the platform. The rig is supported by red and white legs. The background is a clear blue sky and the ocean surface is visible in the foreground.

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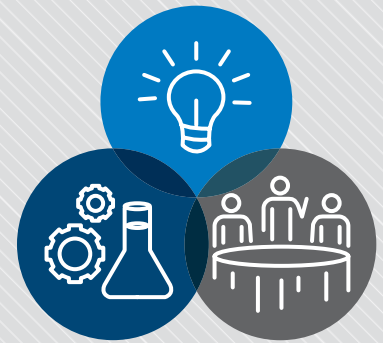
RESEARCH & DEVELOPMENT

Innovation in the Oil Patch: Everyone Talks About it, but is Anyone Doing it?

Now that Innovation is the buzz word du jour in corporate America once again, it may be time to review just what constitutes real innovation, what are best practices and what are simply delusions. Short-sighted innovation strategy has plagued many organizations, and Mike will discuss what that looks like from his perspective. Mike will discuss his experiences innovating in the oil patch and how it compares to other market segments that he has experience with across the globe. Mike will provide his thoughts on Stage-Gate®, open innovation, skunk works, entrepreneurial efforts, disruptive technology innovation groups, as well as other innovation practices.

MIKE RAINONE

Mike Rainone has been involved in innovation for 30+ years, from consumer products to medical products to the oil patch. As a cognitive/organizational psychologist and an expert on innovation, he has watched the “innovation” movement since his days teaching graduate studies in the School of Business at the University of Texas at San Antonio. Rainone is founder and Chief Innovation Officer of PCDworks, Inc., a full-service science and technology development firm housed on an 80-acre campus in East Texas. He is a nationally recognized innovator and award-winning writer and blogger. Mike has built a reputation for “cracking the code” on complex technology challenges encountered on the path to disruptive new technologies. Mike has spoken at a number of innovation venues around the world as well as SPE Well Integrity Forum and at Cameron’s Annual Technology Forum for the last two years.



EVENT INFO

Thursday
11.06.14

11:30 AM TO 1:00 PM

SPEAKER

Mike Rainone
Founder &
Chief Innovation Officer
PCDworks

LOCATION

Norris Conference Center
Westchase
9990 Richmond Avenue
Suite 102
Houston TX 77042

EVENT CONTACT

Skip Davis
281-359-8556
skdavis@
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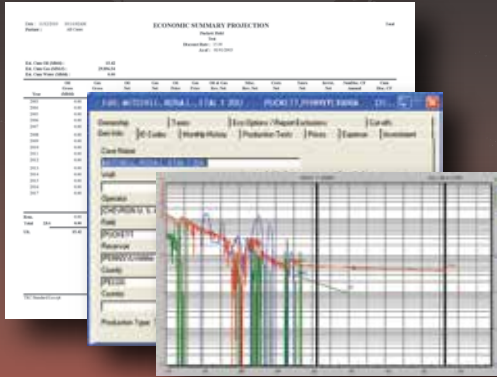
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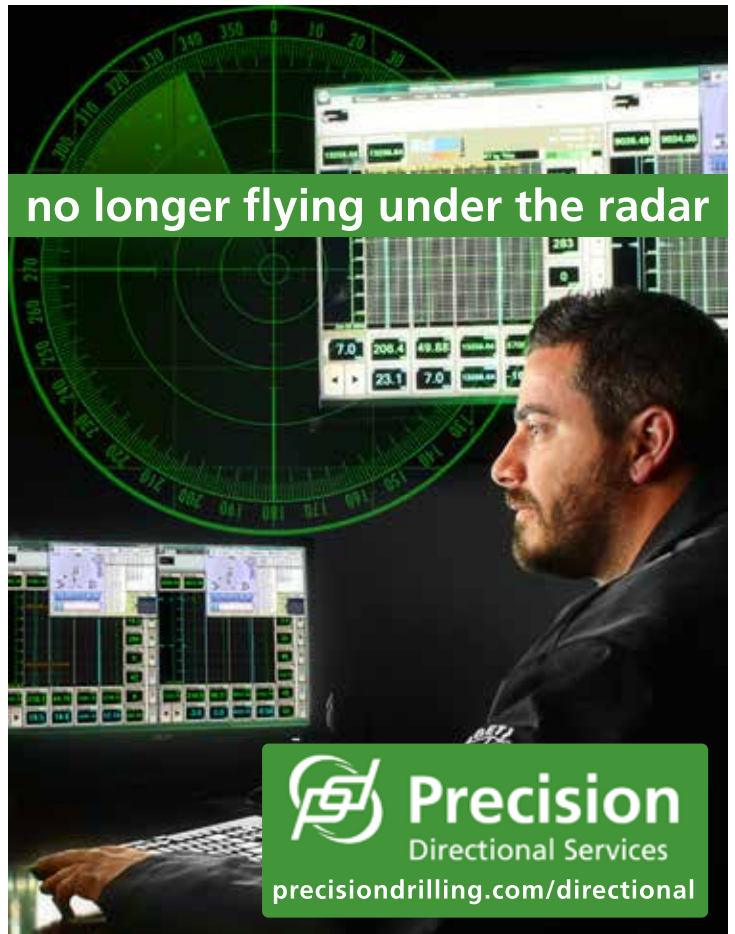
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NORTHSIDE

LPG Stimulation Process in Place of Conventional Fracking Fluids

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Environmental benefits begin with not using water, and the process is also free of biocides and carcinogens. This eliminates post-job wastewater streams, cleanup or inadequate recycling attempts. In an ideal scenario, it is possible to flow back, recapture, recycle and reuse the propane from the stimulated well, thus creating optimal environmental and economic benefits for the operator. In addition, the process of recapturing and recycling of the propane reduces or eliminates the environmental concerns of flaring.

This process also increases production rates or well performance of the stimulated well. Compared to water, the LPG properties of density, viscosity, surface tension, and complete solubility in formation hydrocarbons are highly beneficial to the process of optimizing the well production performance. Efficient recovery of the LPG, rapid cleanup, no phase trapping, and LPG properties allow for extended shut-in times without detriment. The ability to immediately recover 100% of the fracturing fluid is a precursor to creating a much longer effective fracture length that results in increased production rates or increased well performance as compared to conventional water fracturing systems.

ERIC TUDOR



Eric Tudor, P.E., has over 28 years of experience in the oil and gas service sector, primarily in well stimulation services. He possesses a Bachelor of Science in Chemical Engineering from the University of Calgary, is a member of the Association of Professional Engineers, Geologists & Geophysicists of Alberta (APEGGA), as well as the Society of Petroleum Engineers (SPE). Currently he serves as

Advisor, Cooperate Engineering for GASFRAC Energy Services Inc. and has been with the company since 2007. Prior to GASFRAC, Eric worked for the well stimulation companies of BJ Services Company Canada and Canadian Fracmaster within their technical and operational groups. Eric is currently an industry committee member of the Canadian Enform Industry Recommend Practices Committees for the IRP-4 Well Testing and IRP-24 Hydraulic Fracturing. Eric has been involved in preparing and presenting two SPE papers on the topic of the application of 100% Gelled LPG Fracturing system.

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EVENT INFO

Tuesday
11.11.14
12:00 PM TO 1:00 PM

SPEAKER
Eric Tudor
Advisor, Cooperate Engineering
GASFRAC Energy Services Inc.

LOCATION
Greenspoint Club - Oak Room
16925 Northchase Dr.
Houston, Texas 77060

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

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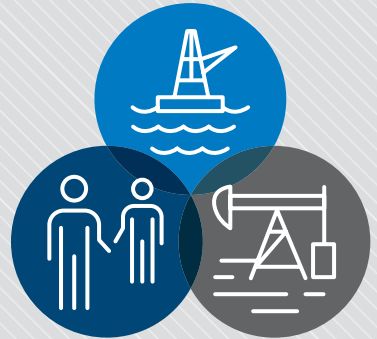
Leveraging Regional Drilling Experiences in Unconventional Plays to Maximize Asset Value

ANDY BREHN



Andy Brehn graduated from Marietta College in 2000 with a BS in Petroleum Engineering and a minor in Economics. Since graduating, he has held various drilling positions with GeoMechanics International, Hess Corporation, Occidental Petroleum Corporation, and finally Anadarko Petroleum Corporation. Andy joined Anadarko in 2011 and currently works as a Drilling Engineering Supervisor in Anadarko's Southern Region. He is also the acting Drilling Operations Manager

for the Eaglebine Development project. While Andy's current work is focused on domestic unconventional drilling, he has considerable drilling experience offshore and on international projects. Furthermore, through his work with GeoMechanics International, Andy has published multiple SPE papers on wellbore stability as it pertains to well planning and real-time drilling operations.



EVENT INFO

Wednesday
11.12.14

11:30 AM TO 1:00 PM

SPEAKER

Andy Brehn
Drilling Engineering Supervisor,
Southern Region
Anadarko Petroleum Corporation

LOCATION

Greenspoint Club - Oak Room
16925 Northchase Dr.
Houston, Texas 77060

EVENT CONTACT

Tom Wick
832-714-3820
tom.wick@nov.com

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Petrophysicist

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RESERVOIR


Refracturing: Why, When and When Not To

Refracturing can be a useful tool to improve production from shale wells and conventional reservoirs at a fraction of the cost of drilling and completing a new well, but what are the indicators that another fracture will be successful and what are the red flags?

GEORGE E. KING



George E. King is a registered professional engineer with over 43 years of oil and gas industry experience since joining Amoco Research Center in 1971. His technical work has provided advances in fracturing and well construction risk analysis, underbalanced perforating, sand control reliability, and unconventional formations. Currently, he is working with new technologies for the oil and gas industry. He holds degrees 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 70 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. He lives in Katy, Texas. One of his hobbies is rebuilding vintage Ford Mustangs.



EVENT INFO

Thursday
11.13.14
11:30 AM TO 1:00 PM

SPEAKER
George E. King
Distinguished
Engineering Advisor
Apache

LOCATION
Sullivan's Steakhouse
4608 Westheimer Rd
Houston, TX 77027

EVENT CONTACT
Kris Pitta
832-803-8224
kris_pitta@fmi.com

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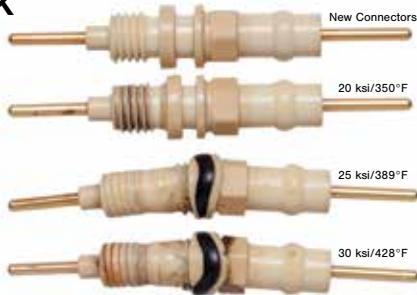
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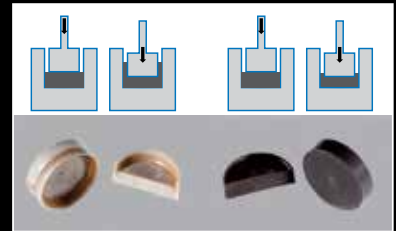


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- Deepwater Drilling and Production Technology—DDR, Oct 7-9
- Overview of the Petroleum Industry—OIR, Oct 6-7

Well Construction / Drilling

- Basic Drilling Technology—BDT, Nov 10-14
- Completions Practices—ComPac 1, Oct 13-17
- Drilling Fluids Technology—DFT, Oct 6-10
- Primary Cementing—Cementing 1—PCE, Oct 6-9
- Well Design and Engineering—WDE, Oct 15-24

Production & Completions Engineering

- Completions and Workovers—CWO, Nov 20-24
- Downhole Remediation Practices for Mature Oil & Gas Wells—DRP, Nov 20-24
- Formation Damage: Causes, Prevention, & Remediation—FD, Nov 17-21
- Production Operations 1—PO1, Oct 20-25
- Surface Water Management in Unconventional Resource Plays—SWM, Nov 17-19

Reservoir Engineering

- Applied Reservoir Engineering—RE, Nov 10-21
- Basic Reservoir Engineering—SR, Oct 6-10
- Chemical Enhanced Oil Recovery Fundamentals—CEORC, Nov 17-21
- History Matching and Reservoir Optimization—HMRO, Nov 20-24
- New Opportunities in Old Fields—NOF, Oct 6-10
- Reservoir Engineering for Other Disciplines—REG, Oct 13-17

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GENERAL MEETING

Resource Development, Market Dynamics and Potential Demand

DR. GÜRCAN GÜLEN

Dr. Gürcan Gülen has been a Senior Energy Economist at the Center for Energy Economics (CEE) Bureau of Economic Geology at the University of Texas at Austin since June 2005. His areas of expertise are the economics of oil and gas value chains, electricity sector restructuring, and energy policy and regulation.

At CEE, he is a manager of the gas-power linkages research area, including integration of renewables, impact of energy regulations, and fluctuations in natural gas prices. He is also involved in the assessment of economic potential in four shale gas plays for a project funded by the Alfred P. Sloan Foundation and the evaluation of CO₂-EOR value chain economics for the Gulf Coast Carbon Center. He has also completed several major projects: Co-Principal Investigator of the 5-year, \$3.5-million U.S. Agency for International Development (USAID) cooperative agreement on energy sector development, with a focus on West Africa; Principal Investigator for CEE's subcontract with PA Consulting on USAID South Asia Energy Research Initiative-Energy; Principal Investigator for the partnership with Centro de Estudos e Investigação Científica at the Universidade Católica de Angola.

From 2002 to 2005, he was a Researcher at the Institute for Energy Law and Enterprise, University Law Center. He was a Researcher at the Energy Institute, Bauer College of Business, University of Houston from 1997 to 2002. During 2000, he was a Scholar in Residence at Duke Energy International, Houston.

He is active in several industry energy economic groups, has written numerous technical articles, and has written or co-authored several books and pamphlets.

He has a B.A. in Economics from the Bosphorus University, Istanbul, Turkey in 1990 and a Ph.D. in Economics from Boston College in 1996.



EVENT INFO

Thursday
11.13.14

11:30 AM TO 1:00 PM

SPEAKER

Dr. Gürcan Gülen
Senior Energy Economist
Center for Energy Economics,
Bureau of Economic Geology,
The University of Texas at Austin

LOCATION

Petroleum Club
800 Bell Street
Downtown Houston

EVENT CONTACT

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

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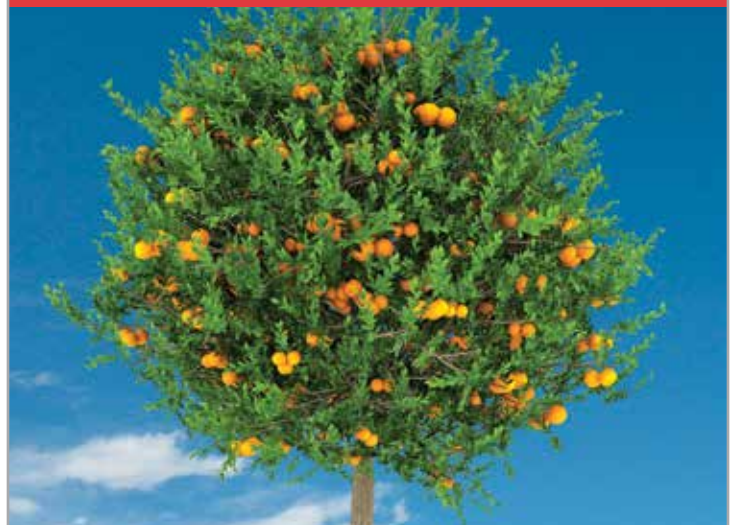
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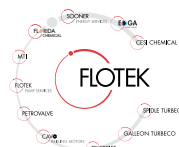
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WESTSIDE

Unconventional Resources Require Unconventional Analysis Techniques

Rate Transient Analysis (RTA) has become very popular over the past decade as a theoretically robust, yet very practical tool for well performance evaluation, making use of continuously measured production rates and flowing pressures which are collected as part of good production practices. With the advent of unconventional resource plays (particularly shale gas and liquids-rich shale plays), these RTA techniques have evolved significantly, adapting to much greater reservoir and completion complexity and accommodating the availability of much richer and varied datasets.

In light of these recent developments, it is easy to become lost in the details when trying to analyze unconventional reservoirs, particularly when one considers the complexities of flow behavior, pressure-dependent reservoir properties, HP/HT phase behavior, and the challenges of the well completion geometry. This presentation describes how and why RTA techniques evolved as they have over the years, starting with relatively simple conventional (high permeability) reservoir systems and progressing to the complexity of fractured, ultra-low permeability systems. Techniques specific to unconventional reservoirs are presented — and their strengths, limitations, and applications are discussed. These techniques are demonstrated using real field production data.

DAVID ANDERSON



David Anderson is a product manager with IHS. He has led the development of IHS/Fekete's F.A.S.T. RTA™ software, and has become a recognized expert in the area of production analysis. Dave has authored numerous technical papers on the subject, for which he has been awarded two "Best Presented Paper" awards from the Petroleum Society. He also received SPE's Outstanding Young Professional

Award for the Rocky Mountain Region in 2008. Dave has lectured and presented industry courses worldwide on production analysis. He served on the SPE Calgary Section board during 2005-07 and currently serves on SPE's Reservoir Description and Dynamics Advisory Committee.

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EVENT INFO

Wednesday
11.19.14

11:30 AM TO 1:00 PM

SPEAKER

David Anderson, 2014-15
SPE Distinguished Lecturer
Product Manager
IHS

LOCATION

Norris Conference Center
Westchase
9990 Richmond Avenue
Suite 102
Houston TX 77042

EVENT CONTACT

Sandeep Pedam
713-591-5738
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@conocophillips.com

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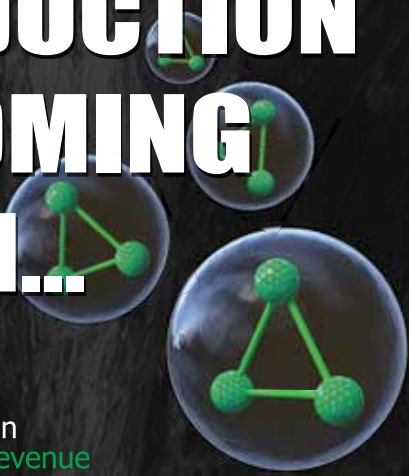
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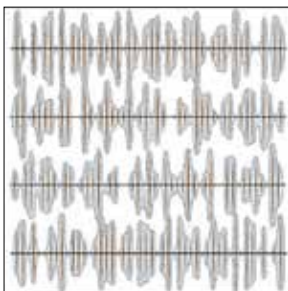
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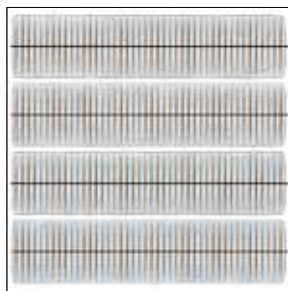
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PERMIAN BASIN

What We Need From This Generation, and Steps to Help Them Achieve It

The next generation has arrived, and they've been here for several years. From a generational perspective, they are also becoming set in their ways. It's a good time for companies to take an objective look at the engineering philosophies and workflows they're learning, and whether these will serve the company and the employee over the long term. The next generation is now displacing mid-level management and they will institutionalize the way of thinking they bring to management for years to come. If changes are needed, they should be made now, and they must be made near the bottom of the organization.

Because of the high level of activity, most companies have been focused on developing early competencies, and by doing this, the industry is succeeding in getting the work done. But are we also succeeding at instilling the technical knowledge, effective engineering philosophies, and performance management perspectives that will serve the employee and employer over the long term? We'll discuss how those challenges are likely to change over time, the potential impact on business models, and some key principles and workflows that may help an employer to enhance the next generation's capabilities in these areas.

FRED DUPRIEST



Fred Dupriest retired in 2012 as ExxonMobil's Chief Drilling Engineer after 35 years in drilling operations. He currently teaches as a Professor of Engineering Practices at Texas A&M University. He joined Exxon after graduating from A&M with a BS in Mechanical Engineering in 1977. Fred has 20 SPE publications on new drilling practices, ranging from the use of Mechanical Specific Energy in real time surveillance,

Fracture Closure Stress practices for building integrity, the operational use of Hydrostatic Packers, stuck pipe avoidance practices, and the Fast Drill™ and Limiter Redesign™ workflows. Fred is an inductee in the AADE Drilling Fluids Hall of Fame, and the recipient of the 2012 SPE Drilling Engineering Award.

Since the big crew change began, Fred has been involved in the creation of strategies to develop competency in young engineers, and to teach new practices to experienced engineers and rig supervisors. He delivered up to 400 classroom hours per year of training himself prior to retirement. As a Professor at Texas A&M, he continues to take every opportunity to teach, and help the next generation get ready to work.

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EVENT INFO

Tuesday
11.18.14

11:30 AM TO 1:00 PM

SPEAKER

Fred Dupriest
Professor of Engineering Practice
Texas A&M University

LOCATION

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

EVENT CONTACT

Amy Timmons
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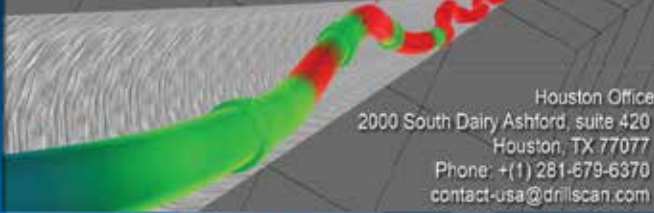
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PROJECTS, FACILITIES, AND CONSTRUCTION

Facility Operability: Designing Operable Facilities

The oil and gas industry has been designing and constructing facilities for decades, and they have all been started up and operated successfully. Why do we need to pay special attention to “Facility Operability?”

The truth is that facility start-ups have been less than efficient and have resulted in months of delay before reaching nameplate-rated performance. When planned and executed correctly, a comprehensive Facility Operability program should not result in added facility costs or delayed project schedule. The term “Facility Operability” means the ability of an organization to operate a facility in a safe and efficient manner. Although this goal is usually achieved, there always seem to be things that could have gone better, been designed better, or been designed safer. These troubles can sometimes lead to major problems or major events. In aggregate, they can be very costly. A proactive Facility Operability system is intended to prevent various types of facility operation issues throughout the life of the facility.

In this presentation, the speaker will highlight the most important issues with regard to “Facility Operability” based on the experiences and learnings of almost 10 years of working with these issues.

BILL CAPDEVIELLE



Bill Capdevielle is an oil and gas consultant with 39 years of experience. He received a BS in Petroleum Engineering from the University of Southwestern Louisiana in 1971, and a MS in Systems Management from the University of Southern California in 1975.

He has diverse experience in the upstream oil and gas industry.

His experience includes various technical, management, and operations assignments. Bill served as an Offshore Installation Manager for Mobil North Sea and has spent the last 10 years working in the Facility Operability area.

He retired from Mobil in 2000, and from Hess in April of this year to start his own technology innovation consulting firm. Bill specializes in finding nanotechnologies used in other industries and applying them to the upstream oil and gas industry. He also offers consulting in field development planning, facility operability and project support. Bill is a Registered Professional Engineer in Texas and Louisiana. He is a member of the National Society of Professional Engineering, the Texas Professional Engineering Society, and the Society of Petroleum Engineers.

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EVENT INFO

Tuesday

11.18.14

11:30 AM TO 1:00 PM

SPEAKER

Bill Capdevielle

President & Founder

Bill Capdevielle Enterprises LLC

LOCATION

Worley Parsons

Client Presentation Room

575 North Dairy Ashford

Houston, TX 77079

EVENT CONTACT

Bryan Marlborough

281-647-8385

bryan.marlborough

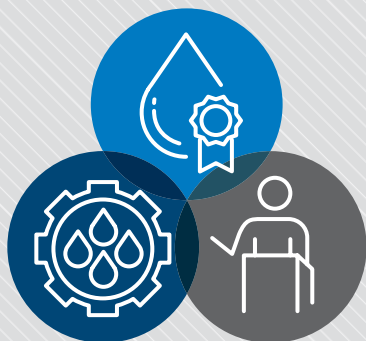
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EVENT INFO

Tuesday
11.18.14

11:30 AM TO 1:00 PM

SPEAKER

Kerry Harpole

LOCATION

Petroleum Club of Houston
800 Bell St, 43rd Floor
Houston, TX 77002

EVENT CONTACT

Reshmy Mohanan
rmohanan@brt-chem.com

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WASTE & WATER MANAGEMENT

Risk Management of Water Issues in the Oil Field

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KERRY HARPOLE

Kerry Harpole graduated with a Bachelor of Science in Chemical Engineering from the University of Texas at Austin and received her MBA with a focus on finance from the Jones School at Rice University. Kerry has worked in a variety of industries including refining, chemical production, electricity and finance. She currently manages all aspects of water for Marathon's Eagle Ford asset. She is the chair of TXOCA water committee and co-chair for the STEER water committee.

INTERNATIONAL

The Petrochemical Boom: Past and Present

The ongoing American shale gas revolution has sparked a construction boom as the petrochemical industry looks to take advantage of the inexpensive feed stock. Chemical companies have committed billions to projects in the Gulf Coast and the Marcellus Shale regions.

For Barbara Shook, these industry developments are reminiscent of another U.S. petrochemical boom. She recalls the furious construction of the early 1950's, when bountiful NGL from the East Texas Oil Field and rulings made by the Texas Railroad Commission to limit the flaring of casinghead gas spurred the growth of new petrochemical plants in Texas.

At this International Study Group Luncheon, Barbara will share her memories from the nascence of the Texas petrochemical industry, compare those early days to the recent developments, and discuss the impact the U.S. petrochemical boom will have on the global industry.



Barbara Shook is senior reporter-at-large at Energy Intelligence, having served for many years as Houston Bureau Chief. She reports on issues pertaining to global natural gas, including shale gas, LNG and natural gas-to-liquids conversion, as well as OPEC and corporate energy news. Prior to joining Energy Intelligence, she spent more than two decades reporting on energy for *Petroleum Management*, the *Houston Chronicle*, *Natural Gas Intelligence*, and *Gas Daily*.

In her lengthy career reporting on the Energy Industry, Barbara has received many awards for her journalism, including the Texas Railroad Commission's Billy G. Thompson Award as the outstanding energy journalist in Texas, the Award of Journalism Excellence from the International Association for Energy Economics, and the Frank Frazer Award for Journalism Excellence from the Offshore Technology Conference.

Barbara is a former director of the Society of Professional Journalists Texas Gulf Coast Chapter, and holds a degree in Journalism from the University of Houston.

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EVENT INFO

Wednesday
11.19.14

11:30 AM TO 1:00 PM

SPEAKER

SPEAKER

Barbara Shook
Senior Reporter-at-Large
Energy Intelligence Group

LOCATION

Petroleum Club
800 Bell Street
Downtown Houston

EVENT CONTACT

Mark Sokolow
281-286-9749
mtsokolow@yahoo.com

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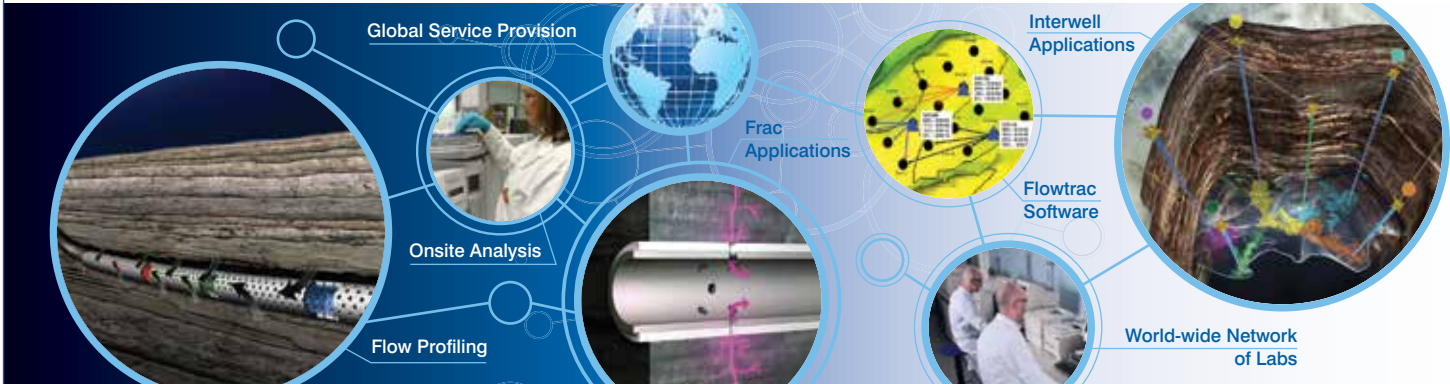
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J. RUSSELL PORTER



J. Russell Porter has been a member of Gastar's Board and served as its President and Chief Executive Officer since February 2004. From August 2006 until January 2010, he also served as Chairman of the Board. From September 2000 to February 2004 he was the Chief Operating Officer of the company. Mr. Porter has an energy-focused background, with approximately 19 years of natural gas and oil exploration and production experience, and five years of banking and investment experience specializing in the energy sector. From April 1994 to September 2000, Mr. Porter served as an Executive Vice President of Forcenergy, Inc., a publicly traded exploration and production company, where he was responsible for the acquisition and financing of the majority of its assets across the United States and Australia. He currently is a director of Caza Oil & Gas, Inc., a publicly traded exploration and development company listed on the Toronto Stock Exchange and the London AIM exchange. He also is a member of the Board of Directors of Petrel Energy Ltd., a publicly traded Australian based E&P company with assets in Uruguay and Spain. Mr. Porter holds a Bachelor of Science degree in Petroleum Land Management from Louisiana State University and a MBA from the Kenan-Flagler School of Business at the University of North Carolina at Chapel Hill.



EVENT INFO

Wednesday
12.03.14

5:00 PM TO 7:00 PM

SPEAKER

J. Russell Porter
President and Chief
Executive Officer
Gastar Exploration

LOCATION

Four Seasons Hotel
1300 Lamar
Houston, Texas 77010

EVENT CONTACT

Matt Bormann
281-345-8019
mbormann@wwtco.co

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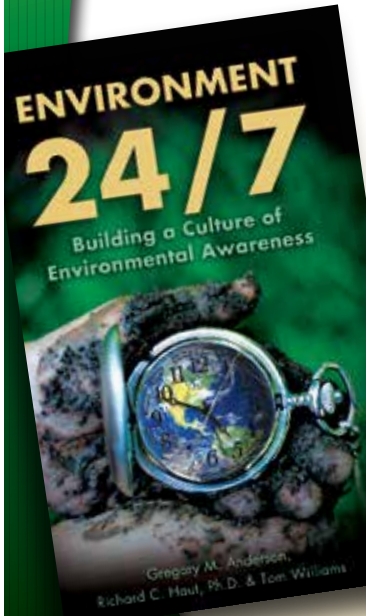
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Sustaining the Trans-Alaska Pipeline - A Systems Engineering Perspective

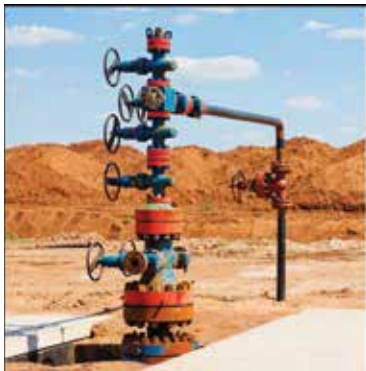
Please join the Technology Transfer Committee for a luncheon and feature presentation. The presentation will examine the application of Systems Engineering principles to the current and future sustainment of the Trans-Alaska Pipeline System.

This luncheon presentation will discuss the current and future sustainment capability of the Trans-Alaska Pipeline System from a Systems Engineering (SE) perspective. The SE approach considers the Pipeline system from a broader perspective, taking into account the crude-oil pipeline, pump stations, feeder pipelines, maintenance systems, and the environment. The architecture of the pipeline system, its subsystem components and their relationships and dependencies are examined with the objective of facilitating understanding of the problems and solutions. End-of-life issues and transition to alternative uses of the pipeline are also addressed.

This study addresses three components: 1) analysis of technologies needed to meet the lower flow requirements to maintain pipeline efficient operation, 2) development of a reference model and process for guiding the selection of cost effective technologies, and 3) development of a transition roadmap for alternative uses and re-uses of the Pipeline to address end-of-life decommissioning.



CLAUDIA ROSE is a Certified Enterprise Architect with over 20 years of industry experience. She participates in professional associations and in the field, serving on boards of directors including The Association of Enterprise Architects (chapter president), INCOSE San Diego (past president), NDIA small business forum, AUVSI and the La Jolla Cove Swim Club. She is the 2012 winner of the San Diego National Association of Women Business Owners Signature Award.



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MOMENTIVE

EVENT INFO

TUESDAY

11.04

11:30 AM TO
2:30 PM

SPEAKER

Claudia Rose
President
BBII

CONTACT

Carol Piovesan
cpiovesan@apooffshore.com

LOCATION

Sullivan's
Steakhouse
4608 Westheimer
713-961-0333

MEMBERS

\$10

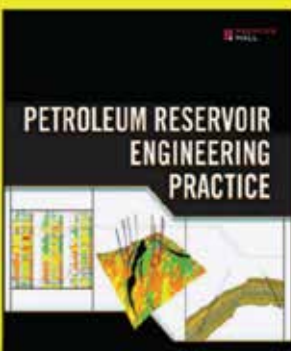
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- Enroll in an engineering or science program at a university in the Fall
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- Be a U. S. citizen
- Completely fill out the scholarship form and turn in by deadline
- High school transcripts
- Activities, awards and honors
- SAT and/or ACT score
- Professional Reference letters
- Financial need (if applicable, not required)
- Short essay (approx. 500 words)

Process:

- Scholarship committee reviews each application
- Selected applicants are interviewed in the second round (04.15)
- After the interviews, the scholarship committee meets and collectively decides the 2015-16 scholarship recipients (05.15)

DETAILS

Renewable yearly scholarship (\$2,000/semester, \$4,000/academic year) up to 4 years

DEADLINE
02.13.15

APPLICATION & QUESTIONS
gcs-scholarship@spemail.org

INSTRUCTIONS
<http://spegcs.org/scholarshipapplication-instructions>

NOTE
Each 2015-16 first-time scholarship recipient may be eligible for a summer internship with an oil & gas company depending on availability.

FRIDAY

11.14

EVENT INFO

LOCATION

Peli Peli
South African
Fusion
Vintage Park,
Louetta @ 249

CONTACT

Evelyn Earlougher
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@comcast.net

DEADLINE

11.11.14

COST

\$30

Nancy Hill

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Book Club

EVENT INFO

WEDNESDAY

11.19

10:30 AM

BOOK

*All the Light We
Cannot See* by
Anthony Doerr

PLACE

Carol Ann Gold

LEADER

Nancy Giffhorn



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TEXAS A&M CAREER ENHANCEMENT EVENT

Every year college students prepare to enter the workforce and become the next generation to lead our industry. With this focus in mind, the SPE Student Chapter at Texas A&M University hosts the annual Career Enhancement Event (CEE), providing a platform to match company needs with talented students looking for internships or full-time jobs.

This year's CEE was held on September 6th, 2014 at Texas A&M campus, and hosted 98 recruiters from 28 oil and gas companies and over 550 SPE student members from petroleum engineering and related disciplines. The event created great interest among students; SPE statistics show chapter membership increased by approximately 400 members in a period of two weeks prior to the meeting. The CEE was a resounding success, and it will be difficult to top it next year, but we will certainly do our very best in 2015.



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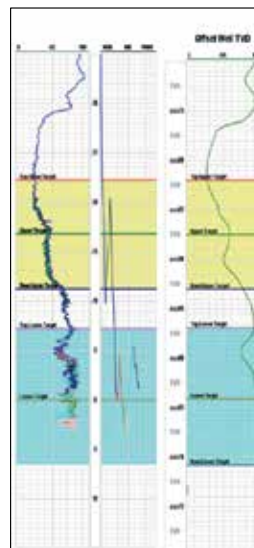
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EVENT

RECAP

We want to thank everyone who attended the past Social Networking event, making it a huge success! Special thanks goes to the Young Professional Committee for hosting, and Unimin Energy Solutions for their generous sponsorship. Attending the next SPE-GCS event? Please send us your wonderful photos to be featured in the Connect! Photos should be submitted to the Connect editor at editor@spegcs.org by the 25th of every month.



SAVE THE DATE

How to Leverage LinkedIn

MEMBERS & NON-MEMBERS
\$45

TUESDAY

5:30 pm to 8:00 pm

11.20

CONTINUING EDUCATION COMMITTEE

LOCATION TBD

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YOUR GUIDE TO YOUR ORGANIZATION LEADERS

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11.2014

CALENDAR

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		Technology Transfer		Research & Development		
2	3	4	5	6	7	8
		Northside	Drilling	Reservoir General Meeting Board of Directors	Auxiliary	
9	10	11	12	13	14	15
		P, F & Construction Permian Basin Waste & Water Mgmt.	Westside International Auxiliary	Continuing Education		
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						