



Department of Petroleum Engineering

CRAFT & HAWKINS DEPARTMENT OF PETROLEUM ENGINEERING · FALL 2006 · VOLUME 15



Adam "Ted"
Bourgoyne

The LSU College of Engineering recently recognized one of our favorite and best-known petroleum engineering "family" members with induction into its Hall of Distinction. Adam T. (Ted) Bourgoyne, Jr. was one of two distinguished alumni inducted in a ceremony held April 6, 2006 at the LSU Faculty Club. For many of us who know Ted as a fellow alumni, teacher, researcher, and industry colleague, he is richly deserving of this recognition. Joseph G. Thibodaux, Jr. (B.S.Ch.E, 1942), one of the founders and long-time engineering leaders at NASA, was the other inductee. Dean Zaki Bassiouni, another "family" member, and LSU System President William L. Jenkins led the ceremony. Ted's wife, Kathy Bourgoyne, and their six children, all LSU alumni, and ten grandchildren were also present.

Ted earned his B.S. (1966) and M.S. (1967) degrees in Petroleum Engineering at LSU as a student of Benny Craft, Murray Hawkins, Bill Hise, and Oscar Kimbler. He continued his studies at U.T. Austin earning a Ph.D. in 1969. While working at Conoco in Houston, Ted says he received a call from Murray asking if he would consider returning to LSU as a faculty member, and when he told Kathy, she made her opinion "clear." So, he joined LSU in 1971 as an assistant professor. He notes that this "was probably the best decision that 'I' ever made."

Ted worked the following 29 years "in the undergraduate, graduate, and continuing education programs for LSU's Petroleum Engineering Department and for the College of Engineering's administration. As an active participant in the areas of drilling and blowout prevention, Ted guided the development of a research and training well facility at LSU to sup-

port this work. Bourgoyne served as chairman of the Petroleum Engineering Department from 1977 to 1983 and as acting dean of Engineering from 1985 to 1987. At the time of his retirement in December 1999, he was the Bert S. Turner Professor of Petroleum Engineering and Dean of the College of Engineering." (See <http://www.eng.lsu.edu/alumni/hod/bourgoyne.html> for the complete story.)

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PETROLEUM ENGINEERING RESEARCH AND TECHNOLOGY TRANSFER LABORATORY ACTIVITIES

Work on a range of teaching, training, and equipment-testing projects continues at the department's full-scale research facility. While the lab and its staff have continued to provide support to the department's core teaching mission, a large proportion of the labs support is derived from equipment testing and training work related to Managed Pressure Drilling.

A range of professionals from Chevron, Signa, Weatherford, Smith Drilling Services, Department of Natural Resources, and the Minerals Management Service attended two informal Managed Pressure Drilling workshops sponsored by MI-Swaco held during the last year. An on going equipment testing program for a new automated Managed Pressure Drilling control skid developed by Impact and Power Chokes is underway, as is testing of the MI-Swaco Assisted Well Control System.

PERTT Lab student staff members Tom Barbato and Cade Jackson (PetE undergraduates), have also been using Well #1 (2800-ft, 5-1/2" well bore) to develop a quick, efficient Managed Pressure Drilling method for pump shut-down and start-ups.

-Darryl Bourgoyne

MESSAGE FROM THE CHAIR

This is the beginning of my second year as Chair of the Craft and Hawkins Petroleum Engineering Department. It has been a year when I have learned a tremendous amount, enjoyed the support of the department's faculty, students, alumni, and industry friends, and made a personal transition from industry to academia. I often am asked what the differences are between industry and the university. My answer is that the key aspects of both are the same; we are still talking about porosity, GOR, mud weights, casing size, etc. But being here is an opportunity to look at the "oil business" from a 90 degree perspective. I've always enjoyed petroleum engineering, and this job has given me a new appreciation of how rewarding it can be. It has also made me aware of the dedication and competence required to train students to be petroleum engineers, and the role that this department plays for the profession.

The 2005-2006 year will always be remembered because of the storms at the beginning of the fall semester. If you have not visited LSU since September of 2005, you wouldn't see any evidence if you walked around CEBA building. Katrina went to the east, Rita went to the west, and Baton Rouge was spared any major physical impact. However, it certainly made a mental and emotional impact on everyone for the first few weeks, with the use of the PMAC as a medical center, the crowding in Baton Rouge, the endless media attention on the area, and the sense of disruption that any catastrophe brings. Additionally, it affected the lives of students and their families. It also created an uncertainty about the financial condition of the state and LSU, which fortunately appears to have emerged in good shape.

This is our first edition of Pipeline since



Stephen O. Sears, Chair



Anuj Gupta



Dr. Seung Kam

I have become the Chair, and we plan to continue with it on a yearly basis. Some of the highlights and accomplishments of our students and faculty are described in accompanying articles and photographs. The Department continues its tradition of excellence in undergraduate education. We had about 200 undergraduate students in 2005-2006, and 30 graduated in May. The Sullins PERTT Lab "Well Facility" is continuing to be utilized for teaching and research here at LSU, and is gaining recognition as a resource for industry to train operating employees and engineers. Our research program, focused on Enhanced Oil Recovery, Reservoir Characterization of Frontier Areas, and Drilling and Completions, enjoys funding from both government and industry sources. We are collaborating in research and teaching with other organizations here on campus, particularly with the Center for Computational Technology and the Department of Geology and Geophysics.

A new faculty member, Dr. Seung Kam, has arrived on campus to begin his LSU career. Dr. Kam is a graduate of the University of Texas, and his research interests lie in the application of foam to petroleum engineering problems. Another faculty member, Anuj Gupta, has resigned to accept a position at the Petroleum Institute in Abu Dhabi. We wish him well in the next stage of his career. The department is beginning a search for an assistant professor in the area of well logging. We also anticipate a new freshman class in the fall, as well as a new group of graduate students, joining our department. While we do not know what enrollment will be at this point, we anticipate an increase commensurate with the increased needs of the industry for our graduates. They remain sought-after as well trained, motivated engineers.

I hope that you enjoy this issue of Pipeline. If you are in Baton Rouge, please stop by the Department and see us.

-Steve Sears

Ted is now President of Bourgoyne Enterprises, Inc. and an active professional engineer. His contributions have also been recognized with multiple awards from SPE, by selection as a Distinguished Engineering Graduate of U.T. Austin, and with the Albert Einstein Gold Medal of Honor from the Russian Academy of Natural Sciences. Probably more important to Ted is that semi-retirement allows him to spend more time enjoying fishing, especially with his grandchildren.

In accepting this award, Ted continued his commitment to LSU by telling his audience about the importance of providing a high quality educational experience for our students. He emphasized preparing students, especially the undergraduates who will go on to make up the majority of our profession, for responsible, productive careers. He also expressed appreciation for his many friends from the Craft and Hawkins Department of Petroleum Engineering: the faculty who were his teachers and later his colleagues, the staff who supported his research and service efforts, and the many enthusiastic and successful students and alumni. For those who want to know more about Ted's reflections on his time at LSU, see what he wrote for the Hall of Distinction program at http://www.eng.lsu.edu/alumni/hod/ENG_HOD06Final.pdf.

Election to the Hall of Distinction is based on distinguished professional achievement, dedicated service to engineering, and outstanding humanitarian activities. Eligibility is not restricted to LSU alumni, but nominees are expected to have some signifi-



Pictured, after the induction ceremony at the Faculty Club, from left to right are Chancellor Sean O'Keefe, inductee Joseph Thibodeaux, inductee Adam "Ted" Bourgoyne, Provost Risa Palm, and Dean Zaki Bassiouni

cant connection with and interest in LSU. Nominations may be made by anyone. Please consider contacting the College of Engineering to nominate others in the LSU petroleum engineering "family" whose contributions have been important.

-John Rogers Smith

ALUMNI NEWS

Friends and graduates of the department are always interested in hearing about individual petroleum engineers and the progression of their careers. Two of our recent graduates are Scott Rovira and Amanda Monus, now Mr. and Mrs. Scott Rovira. Amanda, a 2001 graduate, and Scott, a 2003 graduate, now reside in Houston, Texas.

For Amanda, petroleum engineering was a natural career choice, as her father was also an LSU PETE from 1979. Immediately after graduation, Amanda joined ExxonMobil as a Subsurface Engineer for U.S. Production (USP) in Houston. For three years, she planned and designed workovers and completions in West, South, and East Texas. This work required considerable field time, but now her time is mostly spent on technical design and planning

from the office. Suddenly, artificial lift became the focus of her job, including ESP, gas lift, rod pumping, and other methods, with a new assignment in the USP Artificial Lift group.

She has taken involvement with the SPE to a higher level, serving on the



Board of the SPE Gulf Coast Section Emerging Leaders Program in 2005-2006, and most recently serving on the committee for the Northside Study Group and the

Career Management Study Group. After five years in the industry, she is now preparing for the PE exam.

Scott will always be remembered by the faculty as a reliable and good-natured student worker at the PERTT Lab facility. This experience had a strong influence on his career choice. He joined Applied Drilling Technology (subsidiary of GlobalSantaFe Corp) as a drilling engineer after graduation, working out of Houston. His duties included risk assessment for turnkey wells, cost estimates, drilling programs, ongoing support, and lots of field time in the Gulf of Mexico and South Louisiana. Most recently, he joined Anadarko this past May as a drilling engineer, working on high temperature high pressure wells and horizontal wells in Louisiana, Mississippi, and Oklahoma.

Both are enjoying the learning experience of the petroleum industry. They both cited the drilling and the well design courses as useful in their everyday work. However, their most important piece of advice was "never offer an 8 second solution to a problem your spouse has been working on all day." This wisdom certainly applies beyond married couples.

-Julius Langlinais

Research Spotlight: Enhanced Oil Recovery Projects

At LSU Petroleum Engineering research efforts have included a two-pronged approach to EOR. The first relies on the concept of altering rock-fluids interactions (including spreading, adhesion and wettability in rock-oil-brine-gas systems) by using cost-effective chemical treatments and the second aims to develop an effective alternative to the currently practiced water-alternating-gas EOR process by making use of the gravity drainage concept in conjunction with horizontal wells. The first concept received funding from Marathon Oil Company (\$219,000) and Louisiana Board of Regents (\$253,000), and was completed in 2004. The know-how and technology developed in this 5-year research project is ready for field implementation. The second project aims to develop the Gas-Assisted Gravity Drainage (GAGD) process and was selected in a national competition by the US Department of Energy to receive funding of \$622,287 for three years. The results obtained so far clearly indicate that the “working-with-nature” concept behind the GAGD process is not only scientifically sound but also practical yielding significant improvements in oil recovery compared to conventional practices currently in commercial use. LSU has entered into licensing agreement with Nelson Oil and Gas of Alabama to carry out the first field test of this process and to revitalize the mature and abandoned oil fields of Louisiana.

Our capabilities include a Rock-Fluids Interactions Laboratory where measurement can be made of dynamic contact angles (wettability, adhesion and spreading behavior) in rock-oil-brine systems and gas-oil-brine interfacial tensions at actual reservoir pressures and temperatures using live crude oils. In fact, the optical cell that is currently operational in the RFI labs is capable of addressing the most demanding conditions in the Gulf of Mexico, namely pressures up to 20,000 psi and temperatures up to 400°F. To the best of our knowledge, such a capability does not exist outside of LSU.

In addition to these equipment capabilities, we are using new techniques of measurement developed during our past research efforts. For example, the dual-drop dual-crystal technique for dynamic contact angles, a computerized axisymmetric drop shape analysis technique for



A state-of-the-art Gas Chromatograph (left) is being operated by PETE undergraduate student Mauricio Toscano, and the high-pressure optical cell is being assembled for gas-oil interfacial tension measurement by PETE graduate student Daryl Sequeira.



Dr. Rao is discussing the physical model experiments of the Gas-Assisted Gravity Drainage (GAGD) Process, being developed in the department, with PETE graduate student Amit Sharma (pictured center) and PETE undergraduate student Sanmi Adesanoye (pictured right.)

interfacial tensions, the vanishing interfacial tension technique for gas-oil miscibility determination - all being done at reservoir conditions of pressure, temperature and fluid compositions.

In the EOR labs we also have the capability to measure oil recoveries and relative permeabilities at reservoir conditions using live reservoir fluids. Quite a few others can do this too, but what is unique in LSU Petroleum Engineering EOR labs is the capability to carry out flow through porous media tests in 6-foot long cores - both in horizontal and vertical flooding modes - at pressures up to 5000 psi and temperatures to 250°F. Because of these unique capabilities and our ongoing research efforts, our work has, and still continues to, garner world-wide attention.

-Dan Rao

UNDERGRADUATE HIGHLIGHTS



Women of the Department at the 2006 Senior Dinner pictured left to right: Laurelin Ridolfo Lefluer, Mitzi Orkus, Amy Wormsley, Adriene Derouen, and Margaret Robinson

The 2005-06 academic year began with excitement and anticipation for petroleum engineering undergraduate students, as the petroleum industry continued in a growth mode due to high oil and gas prices. The summer geology camp concluded in July

with 13 students successfully completing the rigorous six-week course, where they earned eight credit hours in geology. Because of industry's need for young energetic petroleum engineers, each freshman, sophomore, and junior student looked forward to the fall interview season in hopes of acquiring a summer internship. And of course, the graduating seniors eagerly awaited their chance to impress industry recruiters with their knowledge of petroleum engineering. This knowledge was acquired while attending many hours of undergraduate lectures, working on numerous projects in laboratories, often studying well into the night and on weekends, and by gaining practical experience during work on summer internships throughout their freshman, sophomore, and junior years. Not even a hurricane could thwart the enthusiasm of an LSU petroleum engineering student.

Much to the chagrin of our students, Hurricanes Katrina and Rita hit Louisiana and disrupted many student activities, including the fall interview schedule, the annual SPE Barbeque, and the annual SPE Golf Tournament, as relief agencies used many LSU campus facilities to help storm victims. Numerous LSU petroleum engineering students had family members in the hurricane-affected areas; as such, many of those students whose families were affected by Katrina or Rita found themselves trying to work to help family members recoup from their losses without falling behind academically in their classes. Thanks to the financial help of our alumni, several of our students whose parents could no longer help them with school expenses, because of Katrina or Rita, received the aid they needed in order to remain at LSU in pursuit of a bachelor's degree in petroleum engineering.

Notwithstanding the disruption caused by Hurricanes Katrina and Rita, petroleum-related companies rescheduled their recruiting trips to LSU. As such, our graduating seniors had little problem finding jobs, at salaries that were significantly higher than the salaries that non-petroleum engineering majors received. In addition, most students who sought summer internships received one. Even though the SPE student chapter was unable to reschedule the annual SPE Barbeque and the department was unable to reschedule the Mock Interviews, many student and departmental organizational activities continued unaffected by Katrina and Rita, or they were rescheduled for a later date.

Despite the disruption caused by the hurricanes, 6 petroleum engineering students graduated in December 2005, 30 students graduated in May 2006, and 4 students graduated in August 2006. In addition, many of our students received university recognition for outstanding academic achievement throughout the year.

To receive Chancellor's Honor Roll recognition for work completed during a semester, students must earn a perfect 4.0 grade point average on 15 credit hours, or more of course work completed at LSU. As such, we are happy to announce that for the spring 2006 semester John William Dykes, Michael Weldon Massengale, Mayuri Murugesu, and Alida Gilberte Chaumont received Chancellor's Honor Roll recognition. Mayuri Murugesu also earned Chancellor's Honor Roll recognition for the fall 2005 semester.

For students to receive Dean's List recognition for work completed during a semester, students must earn a 3.5 to 3.999 grade point average on 15 credit hours or more of course work completed at LSU. With great pleasure we announce that Kritsopher Marshall Roberson, Troy Michael Pittman, Megan Marie Dowdy, William Wilson Watson, Mohamed Ahmed Abdelrahim, Benjamin Mark Bated, Richard Lincoln Miller, Katie Leigh Prater, Parashar Saikia, Joan Ndomyem Ngamo, Sebastain Tyler Dametz, and Reid Brennan Guzzetta received Dean's List recognition for the spring 2006 semester. In addition, Sascha Sikander Shah, Ashley Marie Doyle, Terell Eugene Clark, Hisham Al-Mohammadi, Michael Weldon Massengale, and Joseph Polen Guidry received Dean's List recognition for the fall 2005 semester.

-Fred Thurber

Michael Carr Donmyer

Michael Carr Donmyer was born to Andi Donmyer, the Assistant to the Chairman of Petroleum Engineering, on January 6, 2006. Michael has since taken to being the newest members of the Petroleum Engineering "family" with great ease. His favorite past times include sitting up, creeping, laughing with his father Todd Donmyer, and trying to convince Fred Thurber that he deserves a scholarship to LSU despite his limited speaking abilities. I'm not sure Fred is "buying" it. Since his thirteenth week of life, he has moved on to day care where he has successfully won the hearts of all his caregivers. Currently, he is vying for a

position in the nursery as Mr. Congeniality. However, none of his baby friends can figure out how to work the voting machines, so the results won't be in for another couple of years. Hopefully he'll be able to say a few words by then. In the meantime, proud parents Todd and Andi Donmyer are just pleased that he is healthy and happy.

-Andi Donmyer

Michael continues to exhibit his support for LSU and the department as he is pictured at the Petro Eng Research & Technology Transfer Lab with his "Craft & Hawkins Dept of Petro Eng" hard hat, "Future Grad of C&H" onesie, jeans, and LSU socks. (OSHA-approved baby steel-toed boots not pictured.)



GRADUATE CORNER

We have a very diversified group of graduate students representing many countries, with different educational backgrounds and professional experiences. They also pursue different goals through graduate education in petroleum engineering at LSU, which offers three options for advanced degree: Master of Science degree with Thesis research, Master of Science degree with no research, also known as “non-Thesis option,” and the Doctor of Philosophy degree. Below, are the profiles of three graduate students - each of them pursuing a different type of graduate degree.

David Brooks (MS non-Thesis option) is a third year graduate student in the Petroleum Engineering Department. His bachelor degree is in mechanical engineering, obtained from the University of Michigan. He worked for 8 years as an engineering consultant before moving to Baton Rouge to work in the petroleum industry and attend LSU. David is a partner in a small, independent, family owned oil and gas company. This company owns and operates its own drilling rigs.

David chose a non-thesis option because it permits him to quickly acquire a broad spectrum of expertise while still working. He has concentrated on drilling and production because these have had an immediate impact on the day-to-day operations at his work. However, logging and reservoir classes have been invaluable for developing skills to evaluate future projects.

David is planning to graduate in December 2006 after which he will return to work full time.

Subash Kalla (MS with Thesis) graduated from National Institute of Technology

in India and joined LSU to study a Masters in Petroleum Engineering. He sees petroleum engineering as applying the principles of sciences and other engineering to develop solutions to “tough and significant” problems. It was his personal interest in both sciences and engineering that made him pursue a master’s degree in petroleum engineering at LSU.

Subash works toward his Master of Science on the research topic “Use of Orthogonal Arrays, Quasi-Monte Carlo Sampling, and Kriging Response Models for Reservoir Simulation with Many Varying Factors”. The work includes improving the field analysis performance by effectively choosing the suites of simulation runs, understanding critical sensitivities, accurate uncertainty and optimization studies, and automating complex reservoir simulation data sets and software so that thousands of runs can be managed efficiently. In his own words, “The MS thesis work helps me to think and work independently, and teaches me the perseverance and patience required for a researcher. Continuing on to receive my PhD and working as a research assistant under Dr. Christopher White, I started working on reconciliation of geocellular models with the geophysical models. Regarding the ongoing research, I am writing a technical paper on ‘Consistent Downscaling of Seismic Inversions to Cornerpoint Flow Models’ with Dr. White as coauthor to Society of Petroleum Engineers (SPE). I submitted another paper on ‘Efficient, Flexible Design and Analysis of Simulation Studies’ last year with Dr. White to SPE.”

Subash enjoyed working as an intern for the last two summers. In summer 2004, he worked in the Decision

Management System (DMS) group at Landmark Graphics Corporation. (DMS is field development software for uncertainty analysis.) The work included adding the value of DMS product by improving the sampling techniques, building correlations among uncertain variables and better optimization techniques. He admits that this short “stint as a Java programmer” gave him invaluable practical experience and interaction with many software engineers and geophysicists. Last summer, he worked in BHP Billiton, Houston as a reservoir engineer intern in the Cascade Asset Development team to build accurate horizontal well models. He also worked with in a technology group called “Delivery” developing stochastic geophysical inversion method for Scarborough gas field in Western Australia. The internship was valuable experience where he met very interesting people and did fruitful and practical work.

Subash believes that the petroleum industry is going to influence the world economics strongly in the near future. He wants to pursue his PhD at LSU. He also believes that a combination of good engineering background, with sufficient technical skills and industrial experience, will provide him with essential tools to substantially contribute as well as to gain in this industry.

Juan C. Hernandez is a PhD candidate in the department. His PhD topic deals with the use of analytical and numerical models to understand how a well becomes inactive due to water invasion in bottom and edge-water systems. So far, he has been able to publish four papers on the subject. Juan formerly worked at PDVSA (Venezuelan State Oil Company)



David Brooks



Subash Kalla



Juan Hernandez

as a numerical simulation engineer for over 3 years. He has a BS degree in Petroleum Engineering from Universidad de Oriente (Venezuela), and an MPhil degree, also in Petroleum Engineering, from Imperial College of Science, Technology and Medicine, London. In 2005 he served as instructor of the course: "Numerical Simulation of Improved Recovery Processes (PETE 4056)" at LSU. He has also been a speaker at several Petroleum Technology Transfer Council (PTTC) workshops. Last year, Juan worked as a summer intern at Unocal, Houston, where he completed

numerical simulations for a deepwater project. Recently, Juan was selected by the Craft and Hawkins Petroleum Engineering Department to participate at the 2006 SPE Gulf Regional Paper Contest. Studying at LSU has been one of Juan's best experiences, and he is very grateful for all opportunities he has received.

Juan has obtained numerous awards. In 1990, he was one of very few citizens to receive a medal from the Venezuelan government for combining both an excellent academic performance and outstanding results at sports (swimming). Between

1991 and 1995, he obtained five diplomas for excellent academic performance (among highest GPA's at college) from his University, local government and the National Institute of Technologic and Scientific Research. In 1992, he received a special recognition from the oil company LAGOVEN S.A. due to excellent performance in petroleum engineering studies. In 1999, Juan was the recipient of a full scholarship for postgraduate studies from PDVSA due to excellence in petroleum engineering. Outside school, Juan enjoys traveling, watching movies, playing tennis, swimming, and playing with his baby.

STUDENT ORGANIZATIONS

Student petroleum engineering organizations serve as the glue that binds petroleum engineering students to one another in the pursuit of a college degree. The student organizations of the Craft & Hawkins Department of Petroleum Engineering have served its members well throughout the 2005-06 academic year. We would like to thank those of you who have helped us through your generous financial support and/or personal participation in our events; without your help and support, the rich academic environment kindled by student organizations would not be possible.

SPE

The LSU Student Chapter of the Society of Petroleum Engineers (SPE) had to change their planned yearly itinerary due to Hurricanes Katrina and Rita. Nonetheless, Andrea Songy (SPE chapter president), along with Mitzi Orkus (vice-president), Steven Garcia (secretary), Patrick Slattery (treasurer), Erik Hoffpauir (social chair), and Amy Wormsley (engineering council representative), provided the leadership needed to ensure a very successful year. Throughout the year, industry representatives presented numerous topics at SPE student chapter meetings, which helped to educate students by providing them with a glimpse into the professional world of petroleum engineering.

In September, the SPE student chapter provided bus transportation and hotel room accommodations for forty-eight students to attend the SPE Annual Technical Conference and Exhibition (ATCE) in Dallas, Texas. The trip to the ATCE presented students with the opportunity to interact with their peers from other universities and with industry personnel from numerous countries. In March, six petroleum engineering students represented LSU at the Gulf Coast Regional Student Paper Contest. LSU was represented by Amy Wormsley and Patrick Slattery in the undergraduate division, by Subhash Kalla and Wagirin Ruiz Paidin in the masters division, and by Juan Hernandez and Richard Duff in the doctoral division. We are very proud of all of our student participants, as they represented LSU well. In particular, we are especially proud of Amy Wormsley's performance, as she placed second in the undergraduate division. Ms. Wormsley's presentation was entitled "Coalbed Methane Tank Model Study for the 30-6 unit of the San Juan Basin".

AADE

The LSU Student Chapter of the American Association of Drilling Engineers (AADE) under the leadership of Neil Dilorenzo (president), Amy Wormsley (vice-president), Stephen Schomaker (Secretary), and Jonathon Lindsey (treasurer) held six events throughout the 2005-06 academic year. In October, Tesco hosted a meeting to discuss casing drilling operations. In November, AADE student members attended a social hosted by AADE New Orleans and Halliburton. December was an active month, as the LSU student AADE chapter conducted two meetings. At the first December meeting, BP gave a talk on improved BOP test methods; at the second December meeting, Wild Well Control gave a lecture entitled "Blowout Case Study". In April, Pogo Producing and Global Santa Fe gave a presentation to help enlighten students as to the many opportunities that are available with independent petroleum companies and drilling contractors for students who graduate with a bachelor's degree in petroleum engineering. Exxon hosted the last meeting of the year by giving a presentation entitled "Fast Drill".

Pi Epsilon Tau

For the 2005-06 academic year, Pi Epsilon Tau (Petroleum Engineering Honor Society) members elected their officers: Robert Ponville (president), Patrick Slattery (vice-president), Andrea Songy (secretary), and Neil Dilorenzo (treasurer). At the beginning of the fall 2005 and the spring 2006 semesters, Pi Epsilon Tau members purchased and resold books to petroleum engineering students. By purchasing required petroleum engineering textbooks in volume, at a reduced price from the price offered to individual buyers, Pi Epsilon Tau was able to resell the books to petroleum engineering students, at their cost. As such, petroleum engineering students received a financial savings from the purchase of their petroleum engineering textbooks, thus making this higher educational expense a bit more palatable.

On March 26, 2006, Pi Epsilon Tau held their annual new member initiation. BHP Biliton sponsored Pi Epsilon Tau's new member initiation by hosting a dinner at Copland's Cheese Cake Bistro.

-Fred Thurber and John Smith

CRAFT & HAWKINS DEPARTMENT OF PETROLEUM ENGINEERING INDUSTRY ADVISORY COMMITTEE MEMBERS

Steve Bohnet	Doreen Grieve	Bob Jefferis	Martin Massey	Pat O'Bryan	Randy Smith
Clyde Crouch	Lars Herbst	Ray Lasseigne	John McMullan	Will Pecue	Bill Stone
Norman Duplantis	Harry Hufft	Chad LeBlanc	Art Mixon	Don Remson	Claiborne Vansant
Bill Flores	Bill Hunter	Eric Maidla	Walt Navoy	Sid Ruiz	Ted Zaleski

WE WOULD LIKE TO ACKNOWLEDGE OUR 2005-2006 SUPPORTERS ONCE AGAIN:

American Association of Drilling Engineers - Houston Section	BP	Franklin and Edwina Dartez	William B. Jackson, Jr.	Occidental Oil & Gas	Sempcheck Services
American Association of Petroleum Geology Foundation	Robert and Linda Bradford	Devon Energy	Don and Gayle Keller	Nona O'Connor	Jerry Shea, Sr.
Anadarko	Robert Brewer	Duke Energy	Kerr-McGee	Richard and Shirley O'Shields	Shell
Ernest Angelo, Jr.	Burlington Resources	A. Norman and Denise Duplantis	Neil Klock, Jr.	Robert and Margaret Oxford	John and Gayle Smith
Frederick "Gene" Beck	James and Mary Burtner	Thomas Dykes	Tommy Lambert	Raymond and Madeline Lasseigne	Society of Petroleum Engineers, Dallas Section
Tracy Begland	ChevronTexaco	ExxonMobil	Raymond and Madeline Lasseigne	LSU-Houston Petro-Tigers	Pogo Production Co.
William Benton	Harold and Janet Colvard	John Gieck	LSU-Houston Petro-Tigers	Arthur Machin	David and Elizabeth Rader
BHP Billiton	ConocoPhillips	Grieve Regulatory Services	Michael and Tobi McCauley	John R. Rayne	Society of Petroleum Engineers, Evangeline Section
Vincent Bila	F. B. and Charlotte Craft	Warren Hawkins	Kenneth and Beverly McMinn	Frank and Catherine Robin	Henry Welch
Elias Bou-Waked and Sybil Callaway	John H. Crawford	Hess Foundation	Bruce Hovey	Raymond and Eva Rodriguez	Guy Williams
	Joseph D'Amico	Chad Hill		Wayne Schneider	W.J. and Joyce Zeringue
					Lida Ziegler

Welcome

Ms. Harriett Pooler joined the College of Engineering as the Associate Director of Development for the College of Engineering Departments of Petroleum and Chemical Engineering. Ms. Pooler is already familiar with the LSU Foundation and the University system. Previous to this appointment, she held the position Assistant Development Director at the LSU Foundation for the School of Veterinary Medicine. Additionally, she worked as the Executive Director of the Construction Industry Advisory Council (CIAC) Development Officer in the Construction Management Department. She has been with the LSU Foundation for two years. We would like to welcome Harriet Pooler in to the department.



Department and Faculty Recognition

- The Craft & Hawkins Department of Petroleum Engineering was ranked 9th in 2006 US News and World Report survey.
- Dr. Zaki Bassiouni was selected as the 2006 recipient of the SPE Formation Evaluation Award, which he will receive in September.
- Dr. Andrew Wojtanowicz was awarded the title of Professor of Technical Sciences from the President of Poland.
- Dr. Chris White placed 4654 out of 19688 in the 2006 Boston Marathon.
- Dr. John Smith received the Engineering Faculty Professionalism Award.
- Subhash Ayirala's PhD dissertation is ranked number one in LSU College of Engineering and has been selected to represent LSU in the UMI National Dissertation competition

EMPLOYMENT OPPORTUNITIES

The department is currently accepting applications for a tenure track position, at the level of Assistant or Associate Professor specializing in petrophysics and formation evaluation. Please see our upcoming ad in JPT and the Leading Edge for further information.



Craft & Hawkins Department of Petroleum Engineering
Louisiana State University

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