

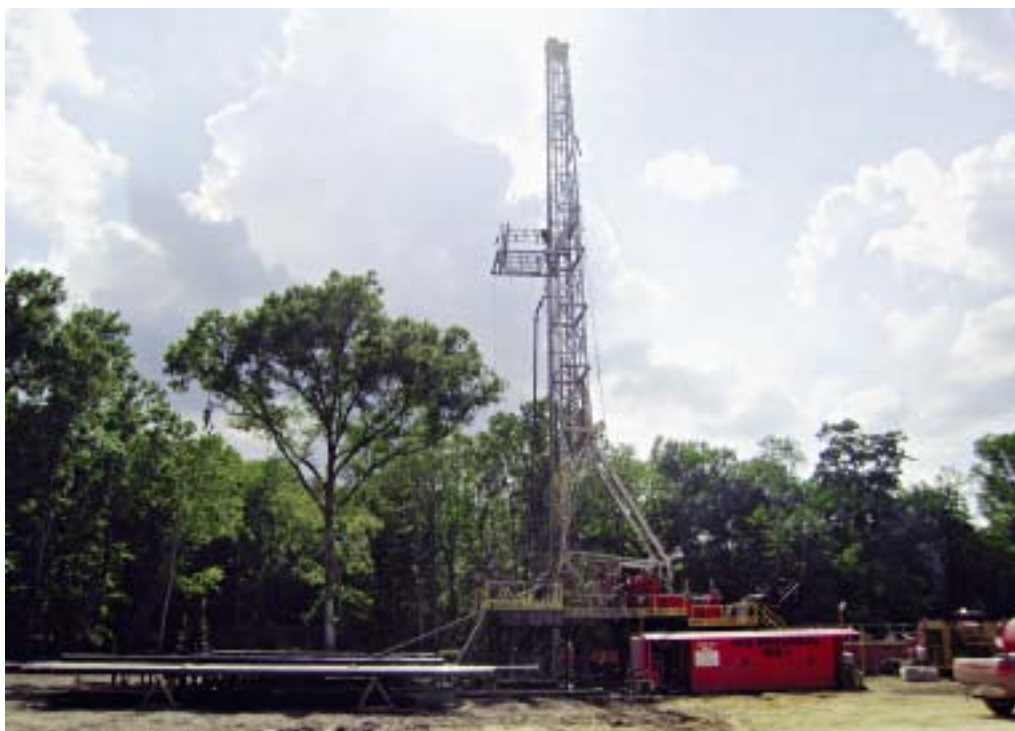


Department of Petroleum Engineering

CRAFT & HAWKINS DEPARTMENT OF PETROLEUM ENGINEERING · FALL 2008 · VOLUME 17

GAGD status (December 2008)

LSU's Gas-Assisted Gravity Drainage (GAGD) process (previously described in our Pipeline Newsletter, Fall 2006, Vol 15, pg 4) is poised for its first field test. Nelson Oil and Gas of Alabama and Marlin Exploration of Louisiana are getting ready to implement the GAGD process in a Louisiana field. The vertical CO₂ injector (Picture 1) was drilled in July and the horizontal producer was spudded on November 13th (Picture 2) and was being drilled at 8000 ft depth. The CO₂ storage tanks and production containers are shown in Pictures 3 and 4, respectively. We eagerly await the field test results in the new year. *Geaux Tigers!*



Picture 1: CO₂ injector drilled in July '08



Picture 2: Anderson-13 #1 horizontal producer spudded on November 13, 2008.



Picture 3: CO₂ Tanks



Picture 4: Production containers-750 bbl tanks

MESSAGE FROM THE CHAIR

Our 2008 edition of the Pipeline has been somewhat delayed by Hurricanes Gustav and Ike. Unlike 2005, where Katrina and Rita largely bypassed Baton Rouge, the LSU campus was significantly impacted by Gustav. Classes were cancelled for the first week in September, and there was significant damage to some parts of campus. We escaped with relatively minor damage



Stephen O. Sears, Chair

– both to our offices, labs and classrooms in Patrick Taylor Hall, and to the well facility. I know that many of you reside in the Houston – Galveston area, and we wish you the best in recovering from Ike.

Our enrollment continues to grow, and we have about 300 undergraduate students and 35 graduate students. Both are the highest numbers since the early 1980s, and our class sizes have continued to increase. We are still seeing a very active recruiting effort for our students, and we are happy to see so many of our graduates going into the upstream oil and gas industry. The message from our Industry Advisory Group last year was: We need the additional graduates, but don't reduce the quality of the education they are receiving. We continue to have a lot of discussions among the faculty, staff and our stakeholders on how to manage our high enrollment while continuing to improve our courses. We have received a lot of support from our alumni and industry friends in this regard, both financial and in time and effort. This support has allowed us to improve our courses with examples of EP technology such as well logging demonstrations, visits to field locations and training centers, acquisition of the needed materials, experiments, and staff support for our teaching laboratories, utilization of state of the art software in our computer lab, and many other areas.



The faculty went on a retreat in Slidell, LA in August 2008. Above are some photos of a boat ride we took while discussing the program.

PERTT Lab Activities

The Department's utilization of its field scale laboratory (the Petroleum Engineering Research and Technology Transfer Laboratory or PERTT Lab), expanded with the appointment of Dr. Radonjic this fall. Dr. Radonjic taught a revised version of the Petroleum Engineering Field Operations Laboratory Class (PetE 3037). The new version of the class emphasizes direct, "hands-on learning" with actual oil-field equipment and makes use of the unique teaching environment afforded at the PERTT Lab facility.

Dr. Smith also used the PERTT Lab to host a new equipment identification exercise for one session of his Drilling Engineering Class (PetE 4045). This was the first time the the PERTT Lab has been utilized during that particular class.

In addition to these newer activities, the undergraduate Well Control Laboratory Class (PetE 4046), continues to be held during spring semesters and the facility's #2 well is used for logging demonstration during Dr. Sears' Well Logging Class (Pete 3036).

An Analog Drilling Simulator (sponsored by Martin Decker Totco) is also under development at the facility. The objective of this project is to construct a classroom scale apparatus for demonstrating basic rig instrumentation principles and simple drilling concepts.

Equipment testing and training work for MI-Swaco, Secure Drilling, Halliburton and T3-Energy are on going at the facility. Most recently, MI-Swaco did some preliminary performance testing a new 15k AutoChoke and improved CD-1400 de-gasser.



Logging Demonstration provided by Schlumberger for PetE 3036 on October 1, 2008 using PERTT Lab #2 Well.



Production Safety Controls Demonstration Stand. Introductory discussion lead by Roy Knight (center, white & blue hard-hat). Stand donated by Ruelco.



Students touring unit during logging operations (Pete 3036)



Introduction to production control and safety systems using fullscale production skid at PERTT Lab (PetE 3037).

Message from the Chair (continued)

Our faculty search last year was successful, and we have added a new faculty member, Dr. Mileva Radonjic. Dr. Radonjic comes to us from BP, and her research interests are in cement technology and CO₂ sequestration. The department has another search underway, and we advertised in the July edition of the Journal of Petroleum Technology. We hope to add another faculty member to the department by next August.

Our faculty recruiting has taken on a greater importance with the retirements in May of Drs. Zaki Bassiouni and Julius Langlinais. Both have played a key role in the life of the department for many years, and we wish them well.

Our faculty and staff have had a number of achievements and recognitions recently. Fred Thurber received his PhD

from LSU in Educational Leadership and Research. Andrew Wojtanowicz received the Distinguished Faculty Award from the Society of Petroleum Engineerings at the Annual Conference. Dan Rao was promoted to full professor, and recognized as an LSU Rainmaker – a distinction for outstanding research during the last year. Subhash Kalla, a PhD student working for Chris White, had a paper on Efficient Design of Reservoir Simulation Studies nominated by SPE for the Rossiter W. Raymond Memorial Award. The department's graduate program was ranked 8th in the nation again by US News and World Report.

We are looking forward to an active year at LSU, and hope to see many of you if you visit the campus.

-Steve Sears

Drs. Zaki Bassiouni's and Julius Langlinais' Retirement Luncheon

On Tuesday, May 6, 2008 the Craft & Hawkins Department of Petroleum Engineering hosted a luncheon in honor of our beloved and newly-retired professors Dr. Zaki Bassiouni and Dr. Julius Langlinais. Current faculty and staff were joined for this event by retired faculty and staff in an effort to reconnect and look back on the department's rich history. We were fortunate to be joined by Mrs. Betty Langlinais, Mr. and Mrs. Murray Hawkins, Dr. and Mrs. Ted Bourgoyne, Mrs. Julie Bourgoyne, Mrs. Jan Easley, Mrs. Mary Haynes, Dr. Bill Hise, Dr. and Mrs. William Holden, Ms. Linda Hoover, Mr. Bob Nicholson, Mr. and Mrs. Mike Veazey, and Dr. and Mrs. Walter Whitehead.

During the luncheon, department chairman Dr. Stephen Sears asked Dr. Andrew Wojtanowicz to say a few kind words about Drs. Bassiouni and Langlinais, and he enthusiastically agreed. After many laughs and a few stories, each gentleman was presented with a plaque from the department thanking them for their years of service.

Dr. Bassiouni joined LSU in 1977. He was a professor and chair of the department from July 1983 to June 2004, before assuming the position of Dean of the College of Engineering. He received a BS in petroleum engineering from Cairo University in Egypt, a diploma in geophysics from the Ecole Nationale Supérieure de Pétrole et des Moteurs of Paris in France, and a MS (DEA) and PhD (Docteur En Sciences) from the University of Lille in France. He has worked for the French Petroleum Institute, Marathon Oil Company, and Chevron Oil Company. His experience includes well logging, petrophysics, reservoir engineering, property evaluation and alternative sources of energy. Despite his long list of obligations as dean, he agreed in his final semester to lend the department a much-needed helping hand by teaching Formation Evaluation one last time and sealed his reputation as one of the toughest professors in the department! He leaves the department with a rich legacy of scholarship, ethics and community. He has since moved to California with his wife Mrs. Chantal

Bassiouni. We wish him all the best in his travels with the SPE Distinguished Lectures and hope that he continues to drop by for a visit, from time to time.

Dr. Langlinais returned to LSU in 1980. He was a professor and served as Associate Dean from July 1988 to June 2004, before finishing his last years as Interim Chair and Professor. He received a BS in Physics from the University of Southwestern Louisiana, and a MS and PhD in Physics from LSU. He has worked for Continental Oil Company, Superior Oil Company, USL, and the University of Tampa. His experience includes production engineering, drilling engineering, petrophysics, and petroleum economics. He was highly touted by students as a likeable and helpful professor because of his knack for counseling and gift of gab. Dr. Langlinais plans to enjoy retirement relaxing at his home in Baton Rouge and making himself available to his grandkids as much as possible. We wish him the very best and expect to see him and Ms. Betty at various departmental functions such the barbecues and crawfish boils.

-Andi Donmyer



On behalf of the department, Stephen Sears presents a plaque to Zaki Bassiouni for his 31 years of service.



Stephen Sears presents a plaque to Julius Langlinais for his 28 years of service to the department and LSU.



Jan Easley and Zaki Bassiouni share stories at his and Julius' retirement luncheon.



Betty Langlinais happily stands by her husband as he shows the plaque.



Murray and Julia Hawkins visit with current and retired faculty at the luncheon.

It is a great pleasure to be invited to contribute to The Pipeline. This task is difficult as it is my last chance at reminiscing on my association with the College of Engineering at LSU that lasted more than 31 years, 25 years and 40 days of which were in the Craft and Hawkins Department of Petroleum Engineering.

The Department and the College have come a long way since the summer of 1977, the year I joined the Department as Assistant Professor. First, I witnessed a move to the Center for Engineering and Business Administration (CEBA) building, a brand new building shared with the College of Business. CEBA was recently renamed Patrick F. Taylor Hall in recognition of one of our illustrious petroleum engineering alumni. The department is now named after two of our beloved colleagues Professors Benny Craft and Murray Hawkins.

The department maintains the long standing tradition of producing well sought after engineers. The College is on the list of "Preferred Partners" of many major corporations who vie to hire our graduates. LSU engineering graduates are known for hitting the ground running. They are well prepared technically and socially.

The size of the department's graduate program has increased significantly especially after the addition of the PhD program in Petroleum Engineering in the early 1980's. The department is now aligned with the College's desire to be known for the breadth and depth of its research activities. The department research portfolio includes federal, state and industry funding, and is growing. The college has recently started an Oil and Gas Research Initiative to build on the historical strength of the department.

Development activities which were nonexistent, for all practical purposes in the 1970's, have grown by leaps and bounds. The current development office, and the endowment portfolio that goes with it, is the largest among all LSU colleges. We have cemented our relations with alumni, some of whom were long forgotten, and have built strong bridges to industry. The department of petroleum engineering has led the way and accounts for one of the largest endowments of any single department on campus.

There is still a lot of progress awaiting the department. Continued growth is assured by the quality and motivation of faculty, staff, students and alumni. However the faculty size and facilities need to increase to match the new surge in enrollment.

Although I am technically a retired Dean, I will continue to be a Petroleum Engineer. I plan to be involved with continuing education and consulting activities. My first significant contribution to our industry is taking part in the 2008-09 SPE Distinguished Lectures program. I will speak at 37 SPE Sections located in 20 countries. I will be presenting the concepts and results on improved oil and gas research conducted by the department.

The continued support and friendship of my colleagues, alumni, and LSU friends has made for an enjoyable and unforgettable journey which I will always recall with fondness and gratitude.

-Zaki Bassiouni

Professor Emeritus;

*Craft & Hawkins Department of Petroleum
Engineering Department Chair Emeritus;*

Bert Turner Distinguished Professor Emeritus



ALUMNI NEWS

Richard P. Desselles, Jr. (Bach 1985), was granted the Meritorious Service Award by The Department of Interior at ceremonies, in Washington, DC on May 13, 2008. At the 65th Departmental Honor Awards Convocation, Mr. Desselles was recognized for his outstanding leadership and achievements in support of The Department of Interior's Mineral Management Service programs for the assessment and evaluation of mineral resources on the Outer Continental Shelf. He demonstrated outstanding technical competence and analytical skills in the field of petroleum engineering. He was an integral part of the team that prepared

three major resource assessments, which were critical in the Department's analysis of numerous pieces of important legislation, for example, the Deep Water Royalty Relief Act, the Energy Security Act of 2005 and the Gulf of Mexico Energy Security Act. Mr. Desselles demonstrated exemplary dedication and integrity in performing his work in the Department's goals of communication, consultation and cooperation. Dirk Kempthorne, Secretary of the Department of Interior, presented him this award.



-Jan Easley

INDUSTRY ADVISORY COMMITTEE

Craft & Hawkins Department of Petroleum Engineering would like to thank the Industry Advisory Committee members for their continued service to the department.

Gene Beck

Steve Bohnet

Russ Buettner, Jr.

Clyde Crouch

Jahnette deBlanc

Norman Duplantis

Bill Flores

Charlie Gibson

Doreen Grieve

Lars Herbst

Bill Hunter

Ray Lasseigne

Chad LeBlanc

Logan Magruder

Eric Maidla

Marty Massey

Art Mixon

Walt Navoy

Pat O'Bryan

Will Pecue

Don Remson

Sid Ruiz

Randy Smith

Brian Stewart

Bill Stone

Claiborne Vansant

Ted Zaleski

We would also like to acknowledge and thank Harry Hufft for his 20 years of service to the department through the Industry Advisory Committee. Harry will be leaving the committee this year.

GRADUATE CORNER

Each year the Craft & Hawkins Department of Petroleum Engineering's graduate program, ranked 8th in the nation by US News and World Report, boasts a diverse group of students who possess varied cultural and educational backgrounds and professional experience. In recent years, these students have represented the following countries: China, Ghana, India, Indonesia, Iran, Kuwait, Nigeria, Pakistan, Poland, Russia, Serbia, Suriname, Trinidad & Tobago, Turkey, US, and Venezuela; and they all share a desire to further their education. In this issue of the newsletter, the department has asked Mr. Paidin to share some of his experience, knowledge, and sense of humor.

LABORATORY SAFETY 101

By W. Ruiz Paidin

The first "real" job I held coming right out of college was working as a Junior Geologist in the jungles of Suriname, South America, for a burgeoning gold mining company. One of the responsibilities entrusted to me was the development of an Environmental, Health and Safety policy that would become mandatory on all job sites of our company. It seems that the



Ruiz Paidin

protocols set up in a safety policy would be a recurring theme even long after I left the relative safety of working outdoors.

When deciding what research I was interested in at LSU, I knew from the start that I wanted to do experimental work. Little did I realize that the basic safety measures I had picked up previously would come in use down the road. One of the aspects I needed

to realize and accept when it came to working in a laboratory was that the possibility of mistakes will always be present. The main difference is that said mistakes can potentially be more fatal when working in a high pressure environment. Case in point: taking shortcuts in the jungle usually means hacking your way through the dense underbrush with a machete to get to the creek a little bit faster. Taking a shortcut when working with a pressurized transfer vessel by not completely releasing the pressure before unscrewing the end cap might mean that the floating piston gets launched out of the vessel very forcefully. Projectiles in a laboratory environment are never a good thing.

So here are a couple of basic points to always keep in mind when one works in a high-pressure laboratory environment:

Carefully examine and follow the standard operating procedure (SOP) for any experiment that you are working on. Having an SOP in place allows you to get more familiar with the various subtasks that make up the experiment and identifies any points that are unclear and need to be researched more in-depth. It will also tell you more about the limitations of your current setup: you might need to purchase elements with a higher pressure rating.

Make sure that all safety measures are in place before the experimental setup is pressurized. Common safety measures include accurate pressure gauges (dial and/or digital), a back-pressure regulator, pressure relief valves (either spring-loaded or using a rupture disk) and personal safety equipment (including but not limited to safety goggles, a laboratory coat, safety shoes and gloves).

Communication between co-workers is also crucial to ensure that all parties involved are familiar with the task at hand and are aware of what is expected from them and what to watch out for.

In all of this, you do need to use your common sense and always be aware of anything that can potentially go wrong and if possible, take the appropriate measures to remedy those situations; as Dr. Rao mentioned in the introductory graduate seminar: "If you are not sure of what to do...don't do anything at all". After all, an advanced degree based on some solid experimental research is a great thing, but being able to actually receive it in person is much better.



Ruiz wrapping a 6' core with glass fiber tape

2008 SPE Gulf Coast Student Paper Contest

The SPE Gulf Coast regional paper contest was held April 4-5 at the University of Texas at Austin. Six students were selected to represent the Craft and Hawkins Department of Petroleum Engineering through the internal departmental competition in early March. These six students, who were the top two winners in each division (Ph.D, M.S. or B.S.), and their topics are shown as follows:

- Dayanand Saini (Ph.D): Applicability of the Line Tension Concept to Solid-Liquid-Liquid Systems
- Subhash Kalla (Ph.D): Reservoir Characterization Using Seismic Inversion Data
- Ali Afsharpoor (M.S.): Mechanistic Simulation of SAG Process Using Foam-Catastrophe Theory
- Majid Davoudi (M.S.): A Simulation Study of Alternative Initial Responses to Kicks during MPD Operations
- Mayuri Murugesu (B.S.): Reservoir Simulation of a Nitrogen Gas Injection Process
- Michael Massengale (B.S.): Methane Hydrate Production and Economic Analysis

Together with Mr. Matthew Weems, a senior student who joined this trip to show his strong support to the LSU team, eight of us squeezed into a 15-passenger van and left Baton Rouge in the evening of April 3 (Thursday) after Dr. Bassiouni's

FORMATION EVALUATION course. We needed to spend the first night in a small city called Baytown near Houston.

Another 5 hour drive was required to arrive in Austin in the next day of April 4. The weather was just lovely. During our way to Austin, we were greeted by numerous Blue Bonnets on the roadside. We had Texas barbecue for lunch near the UT campus and had a short visit to the Texas State Capitol. The welcoming banquet was followed at the UT Campus Club in the evening. We met participants from the University of Texas

at Austin, Texas Tech University, Texas A&M University, University of Louisiana Lafayette, University of Oklahoma, University of Houston, Montana Tech, Penn State University, and Yale University.

Next day, April 5 (Saturday), was the competition day. Presentations were continued from 8:30 am through 4:30 pm with a few coffee/tea and lunch breaks. Right after the last presentation, we rushed together into Posse East to celebrate the successful completion of the day with beer and chips. During the award banquet in the UT union, it was announced that Subhash Kalla won the 3rd prize winner in the Ph.D division (congratulations!) We expected more winners but the result was not very favorable to us. The final outcome showed that UT and TAMU dominated by winning 4 and 3 prizes

respectively, and the remaining two were claimed by LSU and Oklahoma. On our way back to the motel, we stopped by Mozart, a lovely outdoor coffee shop on Colorado River, to enjoy some live music, and had to find it was closed unfortunately.

The next day was harsh. We left for Baton Rouge at 4:30 am in order for some students to attend the meeting of Pi Epsilon Tau student chapter scheduled at 4 pm. Ten hours drive finally brought us back to the LSU campus just in time. Although we had a very tight schedule and the long drive was against us, I was very pleased to see

the students helping and cheering each other throughout our journey to Austin. Taking all these into account, there was no doubt that we LSU Tigers were all winners!

We thank the UT faculty and SPE student chapter for well preparing and organizing this event. Last of all, and perhaps the most importantly, we would like to express our special appreciation to Shell for sponsoring this enjoyable trip!

-S. Kam



Pictured in front of the Texas State Capitol (left to right): Mayuri Murugesu, Michael Massengale, Matthew Weems, Subhash Kalla, Majid Davoudi, Ali Afsharpoor, and Dayanand Saini.

UNDERGRADUATE HIGHLIGHTS

The 2007-08 academic year was a year of continued growth for LSU's Craft & Hawkins Department of Petroleum Engineering undergraduate program. Increasing petroleum prices due to strong product demand and a weak dollar enticed numerous students to investigate LSU's petroleum engineering undergraduate program as a possible path to a financially lucrative vocation. With the return of students to LSU's camps for the fall 2007 semester, our faculty and staff quickly realized that freshman and sophomore petroleum engineering classes had increased in size to populations not seen since the 1980s. Pete 1010 (Introduction to Petroleum Engineering) for example had an enrollment of 124 students and Pete 2031 (Reservoir Rock Properties) had an enrollment of 68 students. Despite the large student populations in freshman and sophomore classes, our faculty and staff are confident that we can continue to devote the attention that our students require to ensure that they receive a top-quality undergraduate petroleum engineering education. Of course, faculty and staff are preparing for an increasing student enrollment in junior and senior courses as freshman and sophomore students progress through the undergraduate program.

The 2007-08 academic year began, as it has each fall semester, with our annual kick-off barbeque to welcome new incoming students to LSU's petroleum engineering program and to welcome continuing students back to campus after summer internships and/or summer academic studies. In addition to our annual kick-off barbeque in early September and thanks to the help of industry representatives, 150 undergraduate petroleum engineering students participated in our Annual Mock-Interview Panel Discussion and Mock Interviews. The time that industry professionals gave to our students who participated in the mock interview program helped participants prepare for the fall interview season by helping them improve their resumes, develop and refine their interviewing skills, and help participants understand the protocol of a professional interview.

Demand for students graduating from LSU with a bachelor's degree in petroleum engineering remained high in academic year 2007-08. As such, all 43

undergraduate students who graduated in academic year 2007-08 and had the right to work in the United States gained employment in the petroleum industry. As in the recent past, petroleum exploration and production companies and service companies competed for LSU's top petroleum engineering graduates; and as always, the companies who had an entrenched history of hiring summer interns, participating in student events, and helping students by financially supporting our department had the greatest success enticing students to join their organization upon graduation.

Many of our current students are performing excellent work, despite the increased rigor of LSU's petroleum engineering undergraduate program. For the fall 2007 semester, Richard Rochel Maidla and Cody Steele Rodriguez made the Chancellor's List. For the spring 2008 semester, Abdullah Alghamdi, Lauren Nichole Fogarty, and Joseph Jules Sabrier IV made the Chancellor's List. To be admitted to the Chancellor's List is not an easy task, as student must earn a 4.0 grade point average on 15 or more credit hours of course work completed at LSU.

In addition to students admitted to the Chancellor's List, for the fall 2007 semester, the following nine students made the Dean's List: Benjamin Mark Bates, Alida Gilberte Chaumont, Lauren Nicole Fogarty, Brandon Daniel Hartmann, Michael Weldon Massengale, Kade N. McCollough, Lawrence Daniel McCune, Mark Thomas Milhet Jr, and Courtney Elizabeth Sample. For the spring 2008 semester, Benjamin Mark Bates, Michael Weldon Massengale, and Mayuri Murugesu made the Dean's List. In order

to be admitted to the Dean's List in 2007, students had to earn a 3.5 to 3.999 grade point average on 15 or more credit hours of course work completed at LSU.

On behalf of all LSU students, faculty and staff, thank you for all of your help and support, so that we can continue to provide a top tier education for students who seek to learn so that they might, upon graduation, have the means to provide a good life for their families and themselves and so that they might use their engineering knowledge to contribute to our industry and to the world by helping to provide the energy that prosperous economies require. Thank you for setting a good moral example for our current petroleum engineering students by providing so much help and support to our students. Because of your help and support for our students, future students will one day look toward the students who fill our classrooms today, when they are energy professionals, for guidance and support, much as they, as students, look to you today. As such, I am confident that the examples of help and support for our students that you provide will serve as a guide for our current students when they enter the professional ranks to ensure help and support for future generations of students. Thank you!

On behalf of all LSU students, faculty and staff, thank you for all of your help and support, so that we can continue to provide a top tier education for students who seek to learn. We could not provide the quality education that we provide without your help and support. Thank you!

-Fred Thurber



Dr. Stephen Sears stands with our Spring 2008 graduates after the commencement exercises.

FOREVER LSU—Campaign Update

The Petroleum Engineering Campaign Steering Committee has been very busy this past year raising funds for the Craft & Hawkins Department of Petroleum Engineering. Lou Soileau, a 1971 Petroleum Engineering graduate, joined the committee to work as co-chair with Bill Flores (B.S. 1980 Petroleum Engineering). Other committee members, all Petroleum Engineering alumni, are: Clyde Crouch (1972), Harry Hufft (1972), Don Keller (1957), Eric Kocian (1980), and Warren Hawkins (1970).

As of September 2008, we have raised approximately \$6.8 million dollars in cash and pledges towards our goal of \$8 million. This is good news, and we are most thankful to our alumni and friends who have stepped up to the plate. These contributions and those from other alumni and friends in other colleges at LSU have not gone unnoticed. In August of this year, U. S. News & World Report released their rankings for the 2009 edition of America's Best Colleges. For the first time in its history, LSU was ranked in the top tier!! To quote LSU Executive Vice Chancellor and Provost Astrid Merget: "We are thrilled that U.S. News & World Report has moved LSU up in its rankings. I commend the publication for taking note of LSU's many improvements, from

increased graduation rates to higher incoming freshmen ACT scores to a better faculty/student ratio."

Some of the areas within the Petroleum Engineering Department that have benefitted from the recent fundraising efforts include undergraduate scholarships, graduate fellowships, laboratory renovations and upgrades, and new laboratory equipment. PERTTL, the well facility, is also getting attention with newly donated equipment and a permanent classroom.

We are getting closer to our goal but we have not reached it yet. The campaign officially ends in 2010 at which time we

Please consider supporting the Craft & Hawkins Department of Petroleum Engineering now. I might add that LSU faculty and staff have contributed to the campaign, and we have achieved 100% participation. You can contact me at hpoole1@lsu.edu or 225-578-8738. I look forward to hearing from you.

*-Harriett Pooler
Associate Director of Development,
Chemical & Petroleum Engineering*



intend to have surpassed our \$8 million goal and to head toward the finish line of our \$10 million stretch goal. "I'm proud to be arriving at LSU at a time when the university is on the rise nationally," said LSU Chancellor Michael V. Martin. "Great universities never stop trying to get better."



FOREVER LSU Mardi Gras party hosted at the Houston home of Bill & Mary Flores. Steve Sears and Bill Flores pictured.



Clyde Crouch, Eric Kocian, Cathy Dodge, and Lou Soileau at the Flores' Mardi Gras party.

In memoriam:

The Craft & Hawkins Department of Petroleum Engineering would like to dedicate this issue of "Pipeline" in memory of the following alumni, family, and friends who will be greatly missed:

Donald Barbier (Bach 1955), Thomas A. Bell, Jr. (Bach 1983), F. J. Brown, Charles R. Geffs (Bach 1942), Sam H. Hill (Bach 1950), Jr., Ernest C. Hortman, Jr. (Bach 1955), Monroe H. Jatzlau (Bach 1963), Dempsey G. Knight, Jr. (Bach 1956), Laurence J. Lapeze (Bach 1980 and 1983), Robert E. McDowell (Bach 1948), E. Martin Miller (Bach 1953), Ambrose F. Morel (Bach 1955), Steven E. Oxford (Bach 1979), Vernon Parker, Jr. (Bach 1982), Harry J. Perkins (Bach 1940), Herbert E. Price (Bach 1951), John W. Rhea, Jr. (Bach 1940), Dennis H. Trahan (Bach 1955), and Kenneth Wilson.



Mileva Radonjic



Mauricio Toscano

Department Faculty and Staff Recognition

- C. Wayne Manuel was selected as one of the 13 recipients of the LSU Outstanding Service Award for 2007.
- Dan Rao was promoted to full professor, and recognized as an LSU Rainmaker – a distinction for outstanding research during the last year.
- Fred Thurber received his PhD from LSU in Educational Leadership and Research.
- Andrew Wojtanowicz is the recipient of the SPE Distinguished Achievement Award for Petroleum Engineering Faculty.
- Seung Kam was invited to give a seminar at Rice University.

Alumni and Supporter Recognition

- In December 2007, Chevron pledged \$4.75 million to the Forever LSU Campaign, which includes \$1.9 million to two programs based in the Craft & Hawkins Department of Petroleum Engineering. The focus areas are the Chevron Petroleum Engineering Emerging Faculty Recruitment Fund and the Chevron Engineering Multi-disciplinary Reservoir Visualization Center.
- Charles L. Barney (Bach 1949) was named 2008 alumnus of the year by LSU. Barney now operates his own business based in Houston, Mark I Enterprises, which invests in oil and gas as well as real estate. He is a generous supporter of multiple aspects of LSU, including The Charles L. Barney Field Camp Program and the STRIPES program at LSU.
- Marta Bermudez (Mast 2007) won the SPE International Paper Contest in 2007 with her paper "Effect of Sugar on the Thickening Time of Cement Slurries." Bermudez is currently working in Houston for Chevron as a production engineer.
- Subhash Kalla (Mast 2005), who recently completed his PhD with Chris White, was nominated by SPE for the Rossiter W. Raymond Memorial Award for his paper "Efficient Design of Reservoir Simulation Studies."
- Mr. and Mrs. William S. Flores, Jr. (William, Bach 1980), Mr. Warren S. Hawkins (Bach 1970), Mr. and Mrs. Murphy J. Hebert (Murphy, Bach 1958), Mr. and Mrs. Donald W. Keller (Bach 1957), Randy L. Limbacher (Bach 1980), Mr. and Mrs. Don Lyle (Don, Bach 1956 & Patsy, Bach 1956), and Mr. Louis C. Soileau, IV (Bach 1971) are our Platinum Supporters for the Forever LSU Campaign.

Welcome

Dr. Mileva Radonjic and Mr. Mauricio Toscano join the Craft & Hawkins Department of Petroleum Engineering this fall 2008 semester. Previous to this appointment, Dr. Radonjic worked as a Wellbore stability specialist with BP America and on CO₂ sequestration research at Princeton University. Currently, Dr. Radonjic is working on establishing the Field Operations Laboratory required for her teaching duties. In addition Dr. Radonjic is planning to continue her research that addresses wellbore integrity primarily related to oilwell cement durability. Mr. Toscano is a recent graduate of the department and is working for Dr. Dandina Rao as a Research Associate. He assists with research experiments using ambient and high-pressure optical cell equipment. We would like to welcome Dr. Radonjic and Mr. Toscano to the department.

WE WOULD LIKE TO ACKNOWLEDGE AND THANK OUR 2007-08 SUPPORTERS ONCE AGAIN:

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