JULY 1 - NOGS LUNCHEON

Presentation: An Evolutionary Model of a Retrograding Subdeltaic Distributary of a River-Dominated System

Guest Speaker: Robert Clark
Department of Earth and Environmental Sciences • University of New Orleans
New Orleans, Louisiana
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From the Editor

This month I would like to direct your attention to a few noteworthy items that are
being presented in this issue of NOGS LOG. Tom Klekamp has written an important
update regarding the Louisiana Professional Geoscience Practices Act which is effective
August 1, 2013. Many thanks to Tom for keeping us informed on such a significant matter.
His letter is also available on the NOGS website.

If you’re staying in town this Fourth of July please consider attending the upcoming NOGS Luncheon to
be held on July 1st. Robert Clark, our new NOGS Treasurer and UNO graduate student, will be the guest
speaker. A large attendance would be a great way to show support not only for Robert but for all of our
local university students.

Lastly, there is an excellent opportunity to support our community by volunteering August 3rd at the
Louisiana Children’s Museum for their sixth annual FETCH! Oil and Energy Saturday. In 2012, the
museum had 800 people attend this event, and they hope to duplicate that success again this year.

I hope everyone is enjoying their summer and Happy Fourth of July!

Thanks,
Sheri Richardson - NOGS LOG Editor

Published monthly by the New Orleans Geological Society.
This issue was sent to press on June 20, 2013.
Interested in contributing to the NOGS LOG? Please submit items by the 1st Friday of the month to nogseditor@gmail.com. Advertising request should contact the NOGS office at info@nogs.org.
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Welcome to a new world of seismic acquisition.
I want to begin my Presidency by thanking the Society members for electing me to fill the President-elect position left vacant after Bay Salmeron resigned to take a position in Houston. Thank you for the opportunity to serve the Society once again.

Next I want to thank the previous Board for their dedicated service: President Will Jorgensen was a capable leader who ran the monthly meetings well and kept the Board focused on the tasks at hand, Vice President Kevin McVey provided a fine range of interesting monthly meeting speakers this past year, Secretary Bruce Bahlinger kept accurate Board meeting minutes, Treasurer Kelli Hardesty ably managed NOGS investments and budget during an up and down year, and NOGS LOG Editor Jordan Heltz continued to improve the NOGS LOG. On behalf of the Society I thank you for your good work.

I especially want to thank Annette Hudson for helping me to understand how NOGS works and for providing continuity to the Society year in and year out as Boards come and go.

The 2013-2014 NOGS Board will have Kelli Hardesty as President-elect, Fran Wiseman as Vice President, Margaret McKinney as Secretary, Robert Clark as Treasurer, NOGS LOG Editor Sheri Richardson, Editor-elect Tavia Prouhet, with Mike Fein, Bill Whitin, and Jim Zotkiewicz as Directors. If you have a suggestion for NOGS, please talk to one of the Board members and we will discuss it at our monthly Board meeting.

This coming year will be a special one for NOGS as we will be the hosting society to the GCAGS Convention on October 6-8 at the Marriott Hotel on Canal Street. Art Johnson is the General Chairman and I am sure he still needs volunteers to help make it a success. His contact information is on the NOGS LOG Committee Page or just talk to Art at the next meeting and say, “I want to volunteer.”

Thank you again and I look forward to the coming year.

Chuck
**BOARD OF DIRECTORS**

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<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>Company</th>
<th>Phone</th>
<th>E-mail</th>
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<th>Phone</th>
<th>E-mail</th>
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<tr>
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<tr>
<th>Position</th>
<th>Name</th>
<th>Phone</th>
<th>Directors</th>
<th>Phone</th>
<th>Year</th>
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<tbody>
<tr>
<td>President</td>
<td>Mary Walther</td>
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<tr>
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<td>Beverly Christina</td>
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<td>June Perret</td>
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<td>2013-15</td>
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**UPCOMING Events & Activities**

**July 1 • NOGS Luncheon**
Holiday Inn Downtown Superdome
$2.00 validated parking in hotel garage

**Presentation:**
An Evolutionary Model of a Retrograding Subdeltaic Distributary of a River-Dominated System

**Guest Speaker:**
Robert Clark
Department of Earth and Environmental Sciences • University of New Orleans
New Orleans, Louisiana
See page 9 for Abstract and Biography

**Holiday Inn Downtown Superdome**
Check with concierge or front desk for location.
Lunch served at 11:30 am

**Admission:**
With reservation.......................... $30.00
Without reservation........................ $35.00
Student Member with reservations....... FREE

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**August 3**
FETCH Energy Saturday
Louisiana Children's Museum • New Orleans, LA
For more information, www.nogs.org

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**August 12-14**
Unconventional Resources Technology Conference
Colorado Convention Center • Denver, CO
For more information, www.urtec.org

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**August 14-16**
Summer NAPE
Brown Convention Center • Houston, TX
For more information, www.napeexpo.com

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**August 21-22**
17th Annual Deepwater Symposium and Exhibition
Hilton New Orleans Riverside • New Orleans, LA
For more information, www.deepwaternola.org

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Continued from previous page

### MEMORIAL FOUNDATION

**BOARD OF TRUSTEES**

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<th>Year(s)</th>
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<th>Company</th>
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<tr>
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</tr>
<tr>
<td>2013-2014</td>
<td>Secretary</td>
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<td>Saratoga Resource Inc.</td>
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<td>2013-2014</td>
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### AAPG DELEGATES

**Term Ends**

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<th>Phone</th>
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<tr>
<td>2015(a)</td>
<td>Earl W. Cumming</td>
<td>Reservoir Frameworks LLC</td>
<td>985-630-6898</td>
<td><a href="mailto:earlcumming@bellsouth.net">earlcumming@bellsouth.net</a></td>
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Schlumberger
July 1 NOGS Luncheon Presentation

An Evolutionary Model of a Retrograding Subdeltaic Distributary of a River-Dominated System

Presented by
Robert Clark
Department of Earth and Environmental Sciences
University of New Orleans
New Orleans, Louisiana

ABSTRACT

The Mississippi River delta is experiencing some of the highest rates of relative sea-level rise in the world. Confinement of its river course has resulted in drastic reductions in sediment discharge since the mid-20th century leading to dramatic land loss in the delta. During the past 20 years, dredging at Head of Passes and deepening of Southwest Pass has caused shoaling and decreased discharge in South Pass and Pass a Loutre. Reduced flow down South Pass has resulted in wave reworking of distributary mouth bars. As this sand is moved onshore subtidal bars and then barrier spits form, lengthen, and extend along shore. Tidal inlets develop as barriers are breached during major storms and backbarrier tidal prisms are exchanged through these openings. Gradually, the sand supply is diminished and the barriers become highly transgressive, dominated by washovers, spit extension, and updrift barrier erosion. Eventually, overwash fans and tidal inlet generation lead to the development of subtidal sand sheets. South Pass exhibits many different stages of this evolutionary trend.

BIOGRAPHY

Robert Clark is a teaching assistant at the University of New Orleans where he received his BS in Geology and will soon complete his MS in Geology. He is currently studying historical changes in the planform morphology of the South Pass distributary branch of the Mississippi River. Robert has presented his research at different venues, including an oral presentation to the Association for the Sciences of Limnology and Oceanography (ASLO) conference in February where he received an award for "Outstanding Student Presentation", the American Association of Petroleum Geologists (AAPG) Spring Break Student Expo where he received 2nd place in the geology section of the poster competition, and he was a guest speaker at the Schlumberger Fluvial-Deltaic Field Course in Arkansas in April. He also volunteers some of his time every month to produce slide shows for the monthly NOGS luncheon and provides IT support. Robert is the 2013-2014 NOGS Treasurer.

THE LUNCHEON RESERVATION DEADLINE IS JUNE 27 - CONTACT THE NOGS OFFICE

“And Looking Ahead . . .”

The next luncheon will be held on August 5th. Our guest speakers, William Schramm and Lewis “Dutch” Donlon of the Louisiana Department of Environmental Quality, will present “Salt Dome Gas Storage and Brine Production Facilities: Geological, Environmental and Safety Issues.” Contact the NOGS office at 561-8980 or use the PayPal link on the NOGS website (www.nogs.org) to make your reservation.
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New Orleans Geological Auxiliary News

“The objective of the Auxiliary is to promote fellowship among the wives of the members of New Orleans Geological Society and to render assistance to NOGS upon request.”

Fifteen Past Presidents enjoyed a beautiful spring day and delicious lunch at Ralph’s on the Park on May 15th. Judy Lemarié was unable to attend the Installation Luncheon held on May 8, so she was presented with her Lifetime Member Award at this gathering. Both she and Beverly Kastler, who had received the Loyalty Award, could bask in the fun of the day at this event. Thanks to Jean Jones for planning the day. It was great to see so many of our past presidents.

The planning committee for 2013-2014 is hard at work coming up with another interesting, fun-filled and enjoyable year. Please consider joining us to make new friends and get together with old friends. To be in the NOGA directory, you should send in your application by August 1st.

The GCAGS convention will be held in New Orleans on October 6-8, 2013. The Auxiliary will be called on to assist NOGS. President Mary Walther is the NOGA representative. Call her at (504) 392-9332 or contact her at mwalther@earthlink.net to volunteer.

Peggy Rogers, NOGS LOG

Seated: Judy Lemarié, Mary Walther, Peggy Rogers, Camille Yeldell, Earleen Rodan, Carol Andrews, Susie Baker
Standing: Joan Sylvester, Judy Sabaté, Pat Williamson, Beverly Christina, Alma Dunlap, Linda Peirce, Beverly Kastler, Jean Jones

Beverly Kastler - Loyalty Award
Judy Lemarié - Lifetime Member Award

New Orleans Geological Auxiliary Membership Application

Name _______________________________ Spouse’s Name _______________________________
Address _______________________________ Home Phone _______________________________
City, State, Zip ________________________ Email _______________________________
Spouse’s Company ___________________________ DUES: $25.00

Please send $25 check payable to NOGA to Judy Lemarié, Treasurer, #2 Yosemite Dr., New Orleans, LA 70131
We are putting together the announcement brochure for the convention and registration will open in another month. We have a special "Emeritus" registration rate for those over 65. In addition to the great technical program, the short courses and field trips cover a range of Gulf Coast topics and will be a big draw. We are still lining up volunteers for on-site registration and other functions, so if you can help (even for half a day), let Bill Whiting know at Bootscon@aol.com.

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PAST PRESIDENTS’ LUNCHEON
MAY 14, 2013

Left to right: Tom Klekamp (09-10), Bill Hintze (65-66), Don Andrews (63-64), George Severson (72-73), Mike Fein (06-07), Scott Wainwright (05-06), Tom Bergeon (02-03), Bill Whiting (08-09), Kelli Hardesty (President-Elect 13-14), Will Jorgensen (12-13), Duncan Goldthwaite (82-83), Art Johnson (07-08), Bob Branson (90-91), Ed Picou (92-93), Paul Jurik (93-94), Jack Langford (91-92), Bob Douglass (87-88), Charles Corona (81-82).

Attended but not in photo: Jack Bryant (02) and Will Conatser (97-98)
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With the acquisitions of Plains Exploration & Production Company and McMoRan Exploration Co., FCX’s diverse portfolio of minerals assets now includes high-quality oil and gas resources in the United States. Matched with bright prospects for success in the global minerals industry, this expanded scope of operations provides exciting new opportunities for profitable growth to benefit shareholders, employees and communities.

FCX is pleased to announce its new subsidiary Freeport-McMoRan Oil & Gas.

An election was held in May for the NOGS officers for the 2013-2014 year. The results of the election are as follows:

President-elect ...................... Kelli Hardesty
Vice President ..................... Fran Wiseman
Secretary ............................ Margaret McKinney
Treasurer ........................... Robert Clark
Editor-elect ......................... Tavia Prouhet
Director 2013-2016 ............... Jim Zatkiewicz

The NOGS Board 2012-2013 would like to announce that due to the resignation in April of Irion Bordelon, Jr., NOGS Director 2012-2015, the Board has approved that Bill Whiting will assume this position.
Many Thanks to all of the

ANKOR Energy  Claymore Oil & Gas LP  Hydrate Energy International
Baker Hughes  Clovelly Oil  Joe & Lisa McDuff
Beacon Exploration  Core Laboratories  LaBay Exploration Co. LLC
BOPCO  Diversified Well Logging, LLC  LLOG Exploration
Century Exploration  Geophysical Pursuit, Inc.  McMoRan Oil & Gas LLC
MEMORIAL GOLF TOURNAMENT
29, 2013

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Shell has worked in partnership with the NOGS for many years, and is proud to count the society among its closest business associates.

The New Orleans Geological Society was organized in 1941 to foster scientific research and advance the science of geology. Particular emphasis is laid on the exploration for and production of petroleum and natural gas. Related objectives include encouraging the adoption of improved methods of exploration, disseminating pertinent geological and technological data, and maintaining a high standard of professional conduct among its members.

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NEW LOCATIONS

In Allen Parish, Hilcorp Energy will drill an Upper Wilcox test in the depleted Lyles Field, (A), to a projected depth of 15,000 feet in Sec. 9, 6S-4W. The #1 Labokay is located 1½ miles northwest of a depleted well which produced for 15 years from an Upper Wilcox sand through perforations 12,777 to 12,984 feet. (246475)

In Beauregard Parish, Skinner Lakes Field, (B), J-LU LTD will drill its #1 Columbia Land & Timber in Sec. 9, 6S-13W to a projected depth of 10,000 feet. (246446)

Swift Energy has permitted an Upper Wilcox horizontal well in South Bear Head Creek Field, (C), in Beauregard Parish. The #1 Mercereau H will be drilled in Sec. 30, 6S-11W to a projected depth of 15,400 feet in a lateral leg of 5,019 feet. (246418)

This well is located 2 miles west of the recently completed #1 Dolby H oil well which flowed 800 BOPD through perforations 13,950 to 18,047 feet. (See details under COMPLETIONS--K)

Also in South Bear Head Creek Field, (D), Midstates Petroleum will drill the #12 Musser-Davis in Sec. 33, 6S-11W to a projected depth of 12,750 feet. (246462)

Trek Resources will drill a Lower Tuscaloosa Sand well in Chipola Field, (E), East Feliciana Parish, in Sec. 57, 1S-3E in an attempt to extend production to the west. The #1 Morrow will be drilled to 13,500 feet, offsetting the #1 Hurst, which has produced 100,400 barrels of oil in 5 months. The field was discovered in 2001 and has produced more than 1,460,000 barrels of oil. (246408)

In St. Charles Parish, West Lake Salvador Field, (F), Square Mile Energy has permitted the #1 SL 20937 to a projected depth of 14,114 feet in 16S-21E. (246470)

An interesting well will be drilled by GCER ONSHORE in Lake Pelto Field, (G), Terrebonne Parish, in Sec. 25, 23S-17E. The #1 SL 21102 will be drilled to 15,107 feet on the extreme south flank of the field, located 1½ miles from shallow production at 10,000 feet. (246484)

COMPLETIONS

A new discovery, (H), by C.T.R. Oil has been reported in Beauregard Parish in Sec. 30, 4S-10W. The Drill Bits column of May 2013 listed 2 wildcats permitted by C.T.R. in the North Singer area 1 mile south of excellent Cockfield production. The #1-A Rice Land has been completed in a Cockfield Sand flowing 70 BOPD through perforations 6,982 to 6,984 feet. (246167)

Hilcorp Energy has completed the #1 SL 20580 as a gas well in Deep Lake Field, (J), Cameron Parish, in Sec. 7, 16S-3W. The well was drilled to 17,550 feet and completed flowing 3,653 MCFD and 54 BCPD through perforations 16,118 to 16,282 feet. (245770)

In Beauregard Parish, Midstates Petroleum has completed an excellent oil well in its Lower Wilcox horizontal well in South Bear Head Creek Field, (K), in Sec. 33, 6S-11W. The #1 Musser-Davis 33 H flowed 800 BOPD and 688 MCFD through perforations 13,950 to 18,047 feet in a 4100 foot lateral leg. (245971)

Castex Energy has completed its #1 SL 20534 which was permitted in Eugene Island Block 18 Field, (L), but drilled in Block 13. The well was completed in the Cibop reservoir flowing 9,032 MCFD and 317 BCPD through perforations 14,652 to 14,666 feet. This completion extends the Cibop play 3 miles to the south of production in the Atchafalaya Bay complex. (245896)
OFFSHORE GULF OF MEXICO
SHELF AND DEEPWATER ACTIVITIES

by Al Baker

During May 2013, the BOEM approved 95 Gulf of Mexico drilling permits. Of these, 53 were for shelf wells, and 42 were for deepwater wells. There were 9 shelf (8 exploratory and 1 development) and 3 deepwater (all exploratory) new well permits issued.

On the shelf, exploration activity far outpaced development activity, which is a noticeable change of focus for the independents. Tana Exploration obtained 2 new well permits for their South Marsh Island 118 #1 and Main Pass 244 #1 wells. Both of Tana’s leases are in their final months of their 5-year, primary term. Northstar Offshore was awarded a new well permit for their West Cameron 106 #1 well. The lease on Block 106 expires at the end of July 2013. Energy XXI was granted a new well permit for their Vermilion 179 #1 well. Energy XXI previously announced a discovery at its Pendragon well in adjacent Block 178. Hall-Houston Exploration received a permit for their South Marsh Island 256 #1 well. Walter Oil & Gas was given a permit for their South Timbalier 285 #1 well. The lease on Block 285 was set to expire at the end of May 2013. Renaissance Offshore was granted a permit for their West Delta 28 #1 well. Renaissance paid $1,426,000 for the lease on Block 28 in October 2012, outbidding both EPL and Castex. Castex Offshore obtained a permit for their High Island 117 #1 well. Castex acquired the lease on Block 117 in April 2012 for a $2,300,000 bonus. Lastly, Rooster Petroleum received a new well permit for their #1 development well on Eugene Island 44. Rooster obtained its lease on Block 44 in November 2012 for a bonus of $331,332 outbidding Tana for their lease.
Exploration activity in the deepwater Mississippi Canyon Area included three operators. Eni US Operating received a new well permit to drill their Block 214 #1 well, Shell Offshore was granted a permit for their Block 721 #1 well, and Statoil was issued a permit for their #1 well on Block 209.

On May 31st, IHS-Petrodata reported that the Gulf of Mexico mobile offshore rig supply totaled 110, and the contracted rig count stood at 79. Both figures are the same as reported last month keeping the fleet utilization rate at 71.8%. This compares to 75 out of the 115 rigs available during the same period in 2012 for a 65.2% fleet utilization rate. The 5-rig drop year-to-year represents a 4.3% decline in the rig supply in the Gulf.

In addition, there were 30 platform rigs under contract out of the 53 total in the rig fleet for a fleet utilization rate of 56.6%. The current number of platform rigs under contract in the Gulf is also the same as reported last month.

On May 31st, the BakerHughes Rig Counts indicated that there were 55 active mobile offshore rigs in the Gulf, which represents 69.5% of the total rigs under contract. Of these, 51 rigs are situated in Offshore Louisiana, and the remaining 4 are located in Offshore Texas. The total number increased by 5 rigs when compared to last month. This 5-rig improvement number represents a 10.2% increase in the active mobile offshore rig fleet. The current active rig count compares to 48 active rigs during the same period last year representing a 14.6% increase in yearly activity. Additionally, of the 30 platform rigs that are under contract, 21 (or 70%) are currently working. This is 1 less than the total number of working platform rigs reported last month.

As of May 31st, the BOEM had awarded leases on 205 tracts of the 320 tracts receiving high bids on March 20, 2013 in OCS Sale 227 in the Central Gulf of Mexico. Of these, 42 tracts were deemed acceptable in the Phase 1 review, and the remaining 163 tracts were deemed acceptable in the current Phase 2 bid evaluation review. A total of 115 tracts remain under evaluation by the BOEM. The BOEM has 90 days from the date of the sale to accept or reject the high bids.

On May 8th, Shell Offshore announced its plan to construct a floating production, storage, and offloading (FPSO) vessel and subsea infrastructure at its 100%-operated, Stones ultra-deep water project in the Walker Ridge Area. The development will be the world’s deepest production facility. Stones Field is located in 9,500 feet of water approximately 200 miles southwest of New Orleans and is a Lower Tertiary - Paleocene discovery. The field comprises the 8-block Walker Ridge 508 Field Unit that includes Blocks 507, 508, 509, 551, 552, 553, 596, and 597. The development will begin with two subsea production wells tied back to the FPSO vessel, followed later by six additional wells. The tie-back wells are the Walker Ridge 508 #1 (originally operated by BP in 2005) that was drilled to 28,639’ in 9,556 feet of water and the Shell Walker Ridge 508 #3 BP-2 that was drilled during 2008 to 29,528’ MD/27,867’ TVD in 7,452 feet of water. The initial phase of development is expected to have an annual peak production rate of 50,000 BOEPD from more than 250 million BOE of recoverable resources. Stones also has significant upside potential and is estimated to contain over 2 billion BOE of oil in place. Tankers will transport the oil from the Stones FPSO to U.S. refineries, and gas will be transported by pipeline.

On May 16th, Pemex reported that it made its third, ultra-deepwater Gulf of Mexico oil find at its Maximino Field. The field is located on the Mexican side of the Perdido Basin. Maximino, which Pemex officials have called “the jewel in the crown” of the company’s deepwater portfolio, is situated in a water depth of 9,515 feet (2,900 meters) and is the deepest ever for the Mexican oil producer. Last year, Pemex made its first two commercially viable, deepwater discoveries in the Perdido Area approximately 200 miles (320 kilometers) east of the Texas-Mexican border in the Gulf of Mexico, after 23 attempts. Tests at the Maximino Field where the oil was found are still being made and volumes are being assessed.
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IMPORTANT UPDATE
Louisiana’s Professional Geoscience Practices Act - June 3, 2013
by Tom Klekamp
2009-2010 NOGS President

FUNDING
The “Louisiana Geoscience Practice Act” (Act 974), was enacted on January 1, 2011. Act 974 was codified in the Louisiana Revised Statutes, Chapter 8-A (Section 711). Act 974, lacking any funding, had to wait until this year’s Fiscal Session to be funded. HB 272 (Rep. Greene, Baton Rouge) provides for license application fees and renewal fees relative to Act 974. There are two parts to HB 272 funding:

First, an application fee for professional geoscientists or geoscientists-in-training shall be established at the discretion of the board but shall not exceed $200 and shall not be increased by the board by more than $30 in any three-year period. The $200 application fee shall accompany the application. If the board denies the issuance of a license or certification to any applicant, the board shall retain the application fee. A non-successful applicant shall pay the prescribed fee for each subsequent application.

Second: Licensure and certification shall expire at a time specified by the board and shall become invalid after that date unless renewed. It shall be the duty of the executive secretary of the board to notify by letter to his or her last known address each licensee and certificate holder of the date of the expiration of the license or certificate and the requirements for its renewal. The notice shall be mailed at least one month in advance of the expiration or such license or certificate. Renewal or licensure as a professional geoscientist or geoscientist-in-training may be effected at any time during the two months prior to expiration by the payment of a fee not to exceed $150 per year at the discretion of the board. The board shall not increase the renewal fee by more than $20 in any one-year period. A maximum fee for late renewal shall not exceed three times the normal renewal fee.

HB 272 was signed by Governor Jindal on May 29, 2013; it is now Act 36, effective August 1, 2013. This means the “Louisiana Geoscience Practice Act” (Act 974) can be implemented and promulgated.

PETROLEUM GEOLOGISTS
In 2012 the Texas Board of Professional Geoscientists tried to adopt a measure that would, in essence, require petroleum geologists to become licensed. There was a focused and concerted effort on the part of AAPG, SEG, as well as NOGS, to defeat this measure. Our letters were successful. The Texas PG Board sent a shock wave through the petroleum geology community. One petroleum geologist, a former state representative and senator, proposed amendments to forestall the Louisiana board from doing what Texas did, putting the onus or licensing on petroleum geologists. Subsequently, Act 974 was amended to give added protection to petroleum geologists. SB 128, Act 36 (Sen. Claitor, Baton Rouge) was adopted in the 2012 Regular Session. It states in part “... no person employed or acting as a petroleum geologist shall be required to be licensed or certified by the board or to pay any fee to the board in order to practice or testify regarding any environmental geology or geoscientist case on any wells or facilities owned by the person or the company for which the petroleum geologist is employed.” Additionally, “No person employed or acting as a petroleum geologist shall be required to be licensed or certified by the board in order to testify or prepare and present an exhibit or document for the sole purpose of being placed in evidence before any entity of state government or its political subdivisions. If any change in state law requires the board to license petroleum geologists, the board shall provide written notice to the New Orleans Geological Society, the Baton Rouge Geological Society, the Shreveport Geological Society, and the Lafayette Geological Society at least ninety days prior to taking any action.”

It should be noted that Act 974 had included exemptions for geoscientific work performed exclusively in exploring for and developing oil, gas, or other energy resources, base metals, or precious or nonprecious metals, including sand, gravel, or aggregate, if the work is done in and for the benefit of private industry. In addition, the following activities are exempt: geoscientific research, teaching, government geologists, archeological stratigraphic investigation, testifying or preparing and presenting exhibits or documents to be placed in evidence before administrative or judicial tribunals or hearings, and evaluation by a state agency or hearing examiner of exhibits or documents placed in evidence before an administrative tribunal.
GRANDFATHERING CLAUSE CHANGES

Sen. Claitor’s amendment (SB 128, Act 308) furthermore extended the grandfathering provision of Act 974. “An applicant who applies for licensure under this Chapter prior to January 1, 2014, shall be exempt from taking the examination ... if the applicant satisfies all the other requirements...” The previous application date had been January 1, 2012. To be fair to everyone there was an attempt to extend the grandfathering date to the end of 2013 in the current HB 272. But 2013 is a fiscal session and only a few bills can have non-fiscal issues. It is expected they will have a bill next year (2014 session) to extend the grandfathering. The Board will announce before August 1, 2013 on the Board’s website, and through the societies (NOGS, BRGS, SGS, Lafayette GS), and through neighboring states’ PG boards that the grandfathering will be extended. We expect that the Board will announce that anyone requesting grandfathered status will be able to notify the Board before January 1, 2014 to say they intend to apply for grandfathering.

THE BOARD

Seven members have been appointed: the two direct appointments by Governor Jindal are Dr. M.B. Kumar, recently retired from the Louisiana Department of Conservation, and Mr. L. Todd Perry of Monroe.

The other five current members were nominated by the various societies:

William R. Meaney (Shreveport Geological Society)
John E. Johnston (Baton Rouge Geological Society)
Daisy B. Pate (New Orleans Geological Society)
Kelli A. Hardesty (New Orleans Geological Society)
Victor R. Donald, PE (Louisiana Engineering Society)

Several other individuals have been nominated by the societies and it is expected that the Governor will appoint the last two members soon.

BOARD CONTACT INFORMATION

Louisiana Board of Professional Geoscientists
c/o M.B. Kumar, Ph.D.
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Baton Rouge, LA  70808
Phone: (225) 769-2705
https://www.legis.la.gov/legis/BoardMembers.aspx?boardId=932

RELATED WEBPAGES WITH HISTORY AND TEXT OF BILLS

SB 788/Act 974 (Sen. Troy Hebert, St. Martinville)
Enacts the Louisiana Professional Geoscience Practice Act

SB 128/Act 308 (Sen. Dan Claitor, Baton Rouge)
Provides relative to the Louisiana Professional Geoscience Practice Act (petroleum geologists amendment)

HB272/Act 36 (Rep. Hunter Greene, Baton Rouge)
Provides for an application for licensure fee and licensure renewal fee for professional geoscientists and geoscientists-in-training

The website for the new Board as well as the acts and bills mentioned in this update article will be available through URLs on the NOGS website.
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- Petrified Forest
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June 2013 Luncheon

2013 Region 9 Greater New Orleans Science and Engineering Fair Winner

Michael Miller

NOGS welcomed Senior Division First Place Award Winner Michael Miller of John Curtis Christian School and his father, Dr. Mike Miller, Pastor at First Baptist Church in Kenner, to the June 3rd Luncheon. Michael’s teacher, Cathy Boucvalt, was unable to attend the luncheon. Michael displayed his project in which he performed a detailed microscopic and pH study entitled, “The Effect of Anthropogenic Ocean Acidification.” Michael’s project also won 2nd Place in the 2013 State Science and Engineering Fair (Senior Division) in the category of Earth and Planetary Science. He will attend Louisiana Tech in the fall.
A surge in oil and gas production from shale rock has transformed energy in the United States, helping reverse declines in oil production and prompting a massive shift from coal to natural gas electricity production that has led to a significant drop in carbon dioxide emissions (since burning coal releases more carbon dioxide than burning natural gas). A new report from the U.S. Energy Information Administration lends support to the idea that a similar transformation could take place outside the United States.

The EIA report concludes that Russia has even more technically recoverable shale oil than the United States. Three countries have more shale gas—China, Argentina, and Algeria. Geologists have long known that some shale deposits contain large amounts of oil and gas, but it’s only recently that hydraulic fracturing and horizontal drilling technology have made it feasible to extract.

While other countries may have more of these resources than the United States, the impact in some of them may not be as great, or happen as quickly. It could take many years to develop resources in other countries because the geology is somewhat different—the techniques that work in the United States might not quite work elsewhere. What’s more, many countries don’t have the needed technological expertise. Some countries make it difficult for companies to set up and find ways to exploit the resources.

Significant technological and financial challenges to development notwithstanding, the past several months have witnessed a flurry of activity in the Gulf of Mexico's Paleogene play, also known as the Lower Tertiary. The ultra-deepwater region has been the site of some recent – and massive – discoveries, while some long-simmering development projects have been given the green light, leading some industry observers to declare the Lower Tertiary the scene of a 21st century "gold rush" for the offshore industry.

Innovation has helped address the Lower Tertiary's many challenges: very deep water; very deep reservoirs characterized by extreme temperatures and pressures; the need for artificial lift; the presence of thick salt formations; and the weight of umbilicals needed to reach seafloor depths of up to 10,000 ft.

In late April, Anadarko Petroleum Corp. announced that its Phobos-1 well in Sigsbee Escarpment block 39 had encountered 250 ft of high-quality oil in Lower Tertiary reservoirs. The well is in 8,500-ft water depths about 11 miles south of the company's Lucius discovery, now in development. The find came on the heels of a March announcement that Anadarko's Shenandoah-2 appraisal well, in 5,800-ft water depths in Walker Ridge block 51, had hit more than 1,000 ft of net pay, heralding one of the company's largest ever Gulf of Mexico discoveries.

Statoil has the Maersk Developer under long-term contract to conduct the company's drilling program in the deepwater Gulf of Mexico, including its Lower Tertiary prospects. In May, the rig was scheduled to spud an appraisal well at the 2011 Logan discovery, located in water depths of 7,500-8,000 ft in Walker Ridge blocks 925 and 969. The company has drilled at Bioko, a Lower Tertiary prospect in Walker Ridge block 698, north of the Lucius development.

"We hope to get recovery factors to north of 20%," Jason Nye, Statoil's VP of offshore in the US, said at OTC. "We're never going to get to 50% or 60% in the Paleogene. The rocks are just not going to get us there. But going from 10% to 20% is certainly a possibility, utilizing the technology that we've developed in Norway."

One strategy that has worked well in Norway, he said, is the drilling of multi-lateral wells. While water depths in the Lower Tertiary are far greater than those in the Norwegian North Sea, "there's no reason we can't do multilateral wells," Nye said. The technique will help reduce the overall cost of drilling programs in the Lower Tertiary, where drilling and completion of a single well can run $200 million to $300 million, he said.
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from the NOGS Staff
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