



# NOGS LOG

APRIL 2018

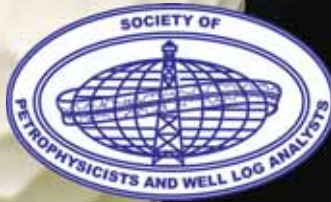
Volume 58, Number 10

**APRIL 9 - NOGS LUNCHEON PRESENTATION**

**Hydrocarbon Exploitation: The Role of Laboratory Geomechanics**

**Guest Speaker: Igor Faoro, PhD  
Core Laboratories • Houston, TX**





The funds from this event  
will benefit the  
Louisiana Children's Museum  
and the  
Children's Museum of St. Tammany.

This year NOGS, PLANO, and SPWLA are joining forces for the  
**2018 Annual Golf Tournament**

Please register early! We are limited to only 100 players.

**Bayou Oaks at City Park New South Course**  
City Park • New Orleans, LA

**Friday • May 18, 2018**

**Registration Form**  
on page 15 of this issue!

Format: 4-person scramble  
with shotgun start at 9:00 a.m.

Post tournament lunch sponsored by  
**Diversified Well Logging**

Registration opens at 7:00 a.m.  
with breakfast served until tee time (9:00 a.m.)

Price includes green fees, cart, range balls, food & drinks, flight, and prizes.

*What else could you possibly ask for?*

Costs:

\$150/individual • \$700/corporate • Hole sponsors are \$125

*A portion of your tournament participation fee will be tax deductible under the NOGS Memorial Foundation 501(c)3.*

***We need volunteers!***

If you can help out, you will be treated to a day of fun, food, and be eligible for some door prizes.

**Donations of any kind are welcome!**



Published monthly by the New Orleans Geological Society. This issue was sent to press on March 28, 2018.

**Interested in contributing to the NOGS LOG?**

Please submit items by the 1st Friday of the month to [nogseditor@gmail.com](mailto:nogseditor@gmail.com). Advertising requests should contact the NOGS office at [info@nogs.org](mailto:info@nogs.org).

## IN THIS ISSUE

### Regular Features:

On The Cover.....	3
From the Editor.....	3
From the President.....	4
NOGS Officers / Contacts .....	6
Upcoming Events & Activities .....	7
NOGS Luncheon Presentation.....	8
Calendar of Events: April - July.....	10
NOGA News.....	12
Drill Bits .....	16
NOGS Memorial Foundation & FONO Fund.....	21

### Special Features:

NOGS 2018 Golf Tournament.....	2
DWTS 2018 Save the Date!.....	5
SIPES Membership Drive Crawfish Boil.....	10
2018 Region 9 Science & Engineering Fair Winners .....	14
NOGS March Luncheon.....	14
NOGS 2018 Golf Tournament Registration .....	15
New 2018 Ad Rates!.....	18
LA Coastal Geology Symposium 2018.....	19
Like Us on Facebook!.....	20
Super Science Saturday .....	23

## on the cover

Cover photo provided by NASA/JPL

### Space Radar Image of the Mississippi River

This month’s cover photo of the Mississippi River at Louisiana, Mississippi, and Arkansas comes from NASA’s Spaceborne Imaging Radar-C / X-Band Synthetic Aperture Radar (SIR). SIR was developed by NASA’s Jet Propulsion Lab in conjunction with the German and Italian space agencies. Launched by space shuttle Endeavor in April and October 1994 for a two-part mission to examine geology, hydrology, ecology, and oceanography of Earth, SIR collected data on terrestrial soil moisture content, ocean dynamics, volcanism, tectonic activity, and soil erosion, and desertification. The three frequencies of radar allowed the satellite to collect data regardless of cloud cover or light conditions. By comparing the satellite data to simultaneous measurements made on the ground at areas of interest, researchers were able to evaluate a variety of scientific disciplines and natural environments. The radar revealed previously unidentified features like ancient fluvial channels in the Sahara, safe vantage points to assess hazardous volcanoes, and even provided insight into archeological sites in Cambodia and northwest China.

# From the Editor



Though I’m not naïve enough to believe that science exists in a vacuum, many science related headlines make me want to bang my head against a wall in frustration or even despair. All geologists, regardless of their field, are subject to controls of politics, market forces, and natural phenomena beyond our influence. I don’t mean to suggest that geology is a field of “woe unto me” sentimentality, but it can be hard to stave off cynicism when so many scientific battles feel like losing ones. In this light, moments like President Kennedy’s 1962 Houston speech where he laid out his policy goal to put a man on the moon are particularly striking. Words without action are the worst sort of wasted time. But even with this truth, I am constantly reminded that words still matter. In geology, the data guides results, but the words still matter. They matter in how we communicate, how we disagree, how we learn, how we fail, and how we take on hard challenges without any guarantee of recognition or even success.

“But why, some say, the moon? Why choose this as our goal? And they may well ask why climb the highest mountain? Why, 35 years ago, fly the Atlantic? Why does Rice play Texas? We choose to go to the moon. We choose to go to the moon in this decade and do the other things, not because they are easy, but because they are hard, because that goal will serve to organize and measure the best of our energies and skills, because that challenge is one that we are willing to accept, one we are unwilling to postpone, and one which we intend to win, and the others, too.” – President John F. Kennedy

**Laura**  
Laura Sorey, Editor



FROM THE  
**PRESIDENT**  
**CHRIS MCLINDON**

**NOGS – The State of the Society**

In the modern political era it has become almost trite for a State of the Union (or State of the State or State of the City) Address to include the phrase, emphatically stated, “The state of the Union is strong.” The real issues challenging the Union must be teased out from the text of the address. It is only for this reason that I would hesitate to start this letter with the phrase, emphatically stated, “The state of the New Orleans Geological Society is strong.” I actually believe that it is strong. We all recognize that the Society has been changing. Membership numbers have been on a downward trend for a few decades. In recent years the Board of Directors has decided to begin the transition from a printed *NOGS LOG* to an online digital version, to close the permanent NOGS office at 810 Union Street, and to move to a part-time contractor instead of a full-time employee of the organization to fill the role of administrator after Annette retires at the end of this year. The NOGS mailing address will be changed to a post office box number. I think it is important to understand these changes in context.

For much of the last 30 years, NOGS has been largely sustained by a steady stream of income from advertisements in the *NOGS LOG*. With the combined effects of a general exodus of oil and gas companies from Louisiana and sharp downturns in the oil and gas economy due to product prices, the revenue from these advertisements has dropped substantially over the past few years. The Society has endured persistent monthly deficits in expenses versus income for many months now. I don’t believe that this type of impact is exclusive to NOGS. I believe it is a reflection of fundamental changes in the nature of all advertising in print and digital media. As WWL-TV reporter David Hammer explained at the February NOGA luncheon, virtually all institutions that have historically relied on advertising income are being forced to make fundamental changes. The proactive decisions of the NOGS Boards of Directors over the past few years have brought about the necessary actions to insure the viability of the Society going forward. I suspect that after things settle out from the changes being made this year, we will be very close to a revenue-neutral sustainability, allowing for a possible increase in annual dues.

I believe that the strength of the Society should be measured by a single metric – the degree to which we fulfill our core mission as stated in the Society by-laws: *“This Society was organized on October 3, 1941, as a non-profit organization for the express purpose of facilitating the development of the profession and science of Geology with specific emphasis on its relationship to the exploration for and production of petroleum and natural gas. Secondary related objectives include encouraging the adoption of improved methods of exploration and exploitation; the dissemination of pertinent geological and technological data; and the maintenance of a high standard of professional conduct on the part of its members.”*

By that measure NOGS is as strong as it has ever been. NOGS is engaged with the Louisiana Geological Survey in developing the Coastal Geohazards Atlas and co-sponsoring the Coastal Geology Symposium. We are engaged with the local chapters Society of Petroleum Engineers and the American Association of Drilling Engineers in co-sponsoring the Deepwater Technical Symposium including a day-long geological seminar. We are engaged with local universities in providing scholarships, mentoring Imperial Barrel Award teams, and direct involvement in the development of master theses and PhD dissertations. NOGS has sponsored field trips to examine the relationships between geology and regional flood protection. We are engaged with the Children’s Museums of New Orleans and St. Tammany through the tireless work of Tom Bergeon and his volunteers, not only providing substantial financial support but offering meaningful content support that promotes the science of geology. NOGS members are involved in supporting earth science education at local elementary and high schools and their science fairs. NOGS member Dave Cope is an integral part of the New Orleans Gem and Mineral Show and its associated field trips. And last but not least, the monthly luncheons provide an excellent outreach to provide insights into geology to the local community, as evidenced by the presentation by Dr. Richard Campanella at the March luncheon.

The nature of the physical presence of the New Orleans Geological Society will continue to evolve over time. I would personally like to see the organization become more streamlined – shifting from a somewhat rigid structure of committee chairs for an array of functions to a more flexible arrangement of individuals that are willing to champion some aspect of the core mission of the organization under the oversight of the Board of Directors. Whatever course those changes may take, I believe that our success will continue to be measured by fulfilling that core mission.

*Chris McLindon*



# SAVE THE DATE!

22nd Annual Gulf of Mexico

# Deepwater

Technical Symposium



## August 27-29

## 2018

***New Orleans Downtown Marriott  
at the Convention Center***

[www.deepwaternola.org](http://www.deepwaternola.org)





**NOGS Office**

Office Manager: Annette Hudson  
 Phone: 504-561-8980 • Email: info@nogs.org • Website: www.nogs.org  
 The office is located at 810 Union Street, Suite 300, New Orleans, LA 70112.  
 Correspondence and all luncheon reservations should be sent to the above address.

**BOARD OF DIRECTORS**

		<b>Company</b>	<b>Phone</b>	<b>E-mail</b>
President	Chris McLindon	Upstream Exploration LLC	504-756-2003	chris.mclindon@Upstreamexp.com
Vice President	Robert Rooney	Robert M. Rooney Inc.	504-460-0319	robmrooney@aol.com
Secretary	Grant Black	Chevron	985-773-6882	gblack@chevron.com
Treasurer	Margaret McKinney	TGS	504-524-3450	margaret.mckinney@tgs.com
President-Elect	G. Alex Janevski	Shell	504-425-6214	gregory.janevski@shell.com
Editor	Laura Sorey	EarthCon Consultants	601-421-3352	lc.sorey@gmail.com
Director 2018	Brenda Reilly		504-430-4240	brendaereilly@hotmail.com
Director 2019	Jennifer Connolly	Shell	504-425-6411	jennifer.connolly@shell.com
Director 2020	David Reiter	Stone Energy	504-593-3623	reiterde@stoneenergy.com

**COMMITTEE**

	<b>Chairperson</b>			
AAPG Delegates	William M. Whiting	Consultant	504-947-8495	bootscon@aol.com
AAPG Student Chapter	Sam B. Shrull	LSU	281-705-3254	sshrl2@lsu.edu
AAPG Student Chapter	Tushar Bishnoi	Tulane University		tbishnoi@tulane.edu
AAPG Student Chapter	Joshua Flathers	UNO	504-952-6437	jrflathe@uno.edu
Advertising-Log	TBD			
Auditing	Al Melillo	Retired - Chevron	504-491-0683	allanmelillo@bellsouth.net
Awards	Michael N. Fein		504-717-6465	lfeinmn1@cox.net
Ballot	Margaret McKinney	TGS	504-524-3450	margaret.mckinney@tgs.com
Best Paper	Bay Salmeron	Chevron	832-854-6431	bay.salmeron@chevron.com
Entertainment	G. Alex Janevski	Shell	504-425-6214	gregory.janevski@shell.com
Environmental	TBD			
External Affairs	TBD			
Finance and Investment	Margaret McKinney	TGS	504-524-3450	margaret.mckinney@tgs.com
Historical	Edward B. Picou, Jr.	Consultant	504-529-5155	epicou@bellsouth.net
Membership/Directory	TBD			
New Geoscientists (NGNO)	Rachel Carter		913-710-8021	r_carter@me.com
Nominating	J. David Cope	Rising Natural Resources LLC	504-214-6754	greatmre@aol.com
Non-Technical Education	Duncan Goldthwaite	Consultant	504-887-4377	DGldthwt@aol.com
Office Operations	Al Melillo	Retired - Chevron	504-491-0683	allanmelillo@bellsouth.net
Publications Sales	Edward B. Picou, Jr.	Consultant	504-529-5155	epicou@bellsouth.net
School Outreach	Thomas C. Bergeon	Upstream Exploration	504-832-3772	tom.bergeon@upstreamexp.com
Special Projects	TBD			

**NOGS LOG STAFF**

Editor	Laura Sorey	EarthCon Consultants	601-421-3352	nogseditor@gmail.com
Editor-Elect	TBD			
Auxiliary	NOGA Officers and Directors	NOGA		
Drill Bits	Al Baker	Beacon Exploration, LLC	504-836-2710	ABaker1006@aol.com
Drill Bits	Carlo C. Christina	Retired (C & R Expl. Inc.)		carlocc398@aol.com
Drill Bits	Kevin Trosclair	BOEM	504-202-7997	kevintrouclair@gmail.com
Staff Photographer	Arthur Christensen	Shalimar Consulting	985-893-2013	arthur_shalimar@yahoo.com
Layout / Printing	Kristee Brown	Creative Graphics & Printing, LLC	985-626-5223	kpbrown@bellsouth.net
Webmaster	Charles Miller	OCSBBS Website		

**NOGS AUXILIARY**

<b>Officers</b>		<b>Phone</b>	<b>Directors</b>	<b>Year</b>	<b>Phone</b>
President	Margie Conatser	504-469-2496	Linda Pierce	2016-18	504-393-7365
Vice-President	Camille Yeldell	504-835-7467	Genny Melillo	2016-18	985-725-1553
Secretary	Trez Marie Zotkiewicz	504-831-3023	Penny Bryant	2017-19	504-831-7744
Treasurer	Judy Lemarié	504-393-8659	Loretto Stephens	2017-19	504-451-3472
Parliamentarian	Alma Dunlap	504-737-2678			
Member-at-Large	Trudy Corona	504-737-6101			



# April 9 • NOGS Luncheon

**Holiday Inn Downtown Superdome**

\$3.00 validated parking in hotel garage

Presentation:

***Hydrocarbon Exploitation: The Role of Laboratory Geomechanics***

Guest Speaker:

**Igor Faoro, PhD**

Core Laboratories • Houston, Texas

See page 8 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**

**VOLUNTEERS NEEDED!**

**April 7**  
**Super Science Saturday**

Louisiana Children's Museum • New Orleans, Louisiana  
For more information: [tom.bergeon@upstreamexp.com](mailto:tom.bergeon@upstreamexp.com)

**VOLUNTEERS NEEDED!**

**April 17**

**SIPES 3rd Annual Membership Drive Crawfish Boil**

The Harbor Bar & Grill • Metairie, Louisiana

For more information: [www.sipesneworleans.org](http://www.sipesneworleans.org) or [www.sipes.org](http://www.sipes.org)

**April 29**

**Family Fun Eat & Run**

City Park • New Orleans, Louisiana

For more information: <http://nolarunning.com/>

**May 18**

**NOGS-PLANO-SPWLA Golf Tournament**

Bayou Oaks at City Park • New Orleans, Louisiana

See announcement on inside cover (pg 2) and registration form on page 15.

## NOGS CONTACT LIST

*Continued from previous page*

**MEMORIAL FOUNDATION**

**BOARD OF TRUSTEES**

2017-2018	Chairman	Al Melillo
2017-2018	Secretary	Chris McLindon
2017-2018	Trustee	Chuck Holman
2017-2018	Trustee	Al Baker
2018-2019	Trustee	Kelli Hardesty
2018-2019	Trustee	William M. Whiting
2019-2020	Trustee	David E. Reiter
2019-2020	Trustee	TBD

Company
Retired - Chevron
Upstream Exploration LLC
Beacon Exploration, LLC
ERM
Consultant
Stone Energy Corporation

Phone
504-491-0683
504-756-2003
504-975-6735
504-836-2710
504-846-9245
504-947-8495
504-593-3623

E-mail
<a href="mailto:allanmelillo@bellsouth.net">allanmelillo@bellsouth.net</a>
<a href="mailto:chris.mclindon@upstream.com">chris.mclindon@upstream.com</a>
<a href="mailto:charleswholman@bellsouth.net">charleswholman@bellsouth.net</a>
<a href="mailto:abaker1006@aol.com">abaker1006@aol.com</a>
<a href="mailto:kelli.hardesty@erm.com">kelli.hardesty@erm.com</a>
<a href="mailto:bootscon@aol.com">bootscon@aol.com</a>
<a href="mailto:reiterde@stoneenergy.com">reiterde@stoneenergy.com</a>

**AAPG DELEGATES**

**Term Ends**

Term Ends	Name	Company	Phone	E-mail
2018	Earl Cumming	Reservoir Frameworks LLC	985-630-6898	<a href="mailto:earlcumming@bellsouth.net">earlcumming@bellsouth.net</a>
2018	William M. Whiting	Consultant	504-947-8495	<a href="mailto:bootscon@aol.com">bootscon@aol.com</a>
2018(a)	Dave Balcer			<a href="mailto:balcer@bellsouth.net">balcer@bellsouth.net</a>
2020	Elizabeth McDade			<a href="mailto:elizabeth_mcdade@fmi.com">elizabeth_mcdade@fmi.com</a>
2020(a)	G. Alex Janevski	Shell	504-425-6214	<a href="mailto:gregory.janevski@shell.com">gregory.janevski@shell.com</a>



## April 9 NOGS Luncheon Presentation

☆☆☆ at the Holiday Inn Superdome ☆☆☆

# Hydrocarbon Exploitation: The Role of Laboratory Geomechanics

Presented by

**Igor Faoro, PhD**

Core Laboratories • Houston, Texas

### ABSTRACT

Petroleum Geomechanics is concerned with rock and fracture behavior in reservoir, drilling, completion and production engineering. In more detail, Geomechanics aims to understand how soils and rocks deform to changes of stress, pressure, chemistry and of temperature. During last several decades, intense research has been conducted to better comprehend the processes that link temperature (T), hydrologic flow (H), mechanical deformation (M), and chemical alteration (C) in fractured rock/soils systems. The study is complex because these processes are strongly interconnected as one process affects the initiation and progress of another. In this presentation we will show how THMC couple processes impact the initiation and propagation of hydraulic fracturing in the heterogeneous fractured/porous media. In particular we will focus on the influences that the in situ stresses and the complexity of geological structures have on the fracturing design. Finally, we will describe which laboratory technical innovations are fundamental tools to understanding and to optimizing the practice of fracking.



### BIOGRAPHY

**Igor Faoro** is the Sr. Geomechanics Consultant for Core Laboratories, based in Houston, and is responsible for providing support and consulting services to the rock mechanics laboratory. His expertise extends to fracture conductivity, hydraulic fracturing, fluid transport properties, static and dynamic physical/mechanical characterization, thermal-hydraulic-mechanical-chemical coupled processes, surface roughness analysis and acoustic emissions. He previously worked as Senior Engineer/Geoscientist at ConocoPhillips Subsurface Laboratories in Bartlesville, OK after a post doctorate at the University of Durham, UK. He has a MS in Civil Engineering from Polytechnic University of Turin, Italy; a M.S. and a PhD in Energy and Geo-Environmental Engineering from Pennsylvania State University, University Park, Pennsylvania, USA.

**THE APRIL LUNCHEON RESERVATION  
DEADLINE IS APRIL 6.  
CONTACT THE NOGS OFFICE**

*"And Looking Ahead . . ."*

*The next luncheon will be held on May 7. Our guest speaker, An Li from LSU, will present "3-D Modeling of Subsurface Stratigraphy in the Lower Mississippi River Delta." Contact the NOGS office at 504-561-8980 or use the PayPal link at [www.nogs.org](http://www.nogs.org) to make your reservation.*





# Drill with confidence.

Diversified Well Logging, LLC brings the accuracy and expertise only a company with over sixty years in the oil and gas industry can deliver. We are your eyes and ears in the field, especially when it comes to deep water or high pressure, high temperature areas.

DWL offers 24-hour formation evaluation. We provide secure and customized real-time data communication, in-house research and development, and 24/7 on-call support for our equipment and our engineers.

Whether you have a 10-day job or a 110-day job, we provide the specialized attention you require. **Our experience means you can be confident in the safety and performance of your well.**



- *Formation Evaluation*
- *Geosteering*
- *Drilling Optimization*
- *Real-time Data Transmission*
- *Early Kick Detection*



*Serving the Oil and Gas Industry for Over 60 Years*



# CALENDAR OF EVENTS: APRIL - JULY 2018

If you know of upcoming seminars or academic events that may be of interest to our members, please email the event details to Laura Sorey at [nogseditor@gmail.com](mailto:nogseditor@gmail.com) to be included in the monthly calendar.

2018	EVENT	LOCATION	CONTACT / INFO
1 Apr	Easter		
7 Apr	Super Science Saturday	Louisiana Children's Museum 11:00 - 3:30	Tom Bergeon <a href="mailto:tom.bergeon@upstreamexp.com">tom.bergeon@upstreamexp.com</a>
9 Apr	NOGS Luncheon Presentation "Hydrocarbon Exploitation: The Role of Laboratory Geomechanics" Speaker: Igor Faoro • Core Laboratories	Holiday Inn Superdome	<a href="mailto:annette@nogs.org">annette@nogs.org</a> or 504-561-8980
22 Apr	Earth Day		
23 Apr	LSU G&G Lecture Series "Feared and Actual Impacts of Hydraulic Fracturing on the Carrizo-Wilcox Aquifer in Northwest Louisiana" Douglas Carlson - LGS	LSU Baton Rouge E137 Howe-Russell-Kniffen 3:30 pm	<a href="http://www.lsu.edu/science/geology/seminars/item72050.php">www.lsu.edu/science/geology/ seminars/item72050.php</a>
29 Apr	Family Fun Eat & Run	City Park • New Orleans	<a href="http://nolarunning.com/">http://nolarunning.com/</a>
7 May	NOGS Luncheon Presentation "3-D Modeling of Subsurface Stratigraphy in the Lower Mississippi River Delta Speaker: An Li • LSU	Holiday Inn Superdome	<a href="mailto:annette@nogs.org">annette@nogs.org</a> or 504-561-8980
18 May	NOGS - PLANO - SPWLA Golf Tournament	Bayou Oaks at City Park New Orleans, LA	See announcement on page 2. Registration forms on page 15.
17-19 May	2018 History of Oil Symposium - Petroleum History Institute	Salt Lake City, Utah	<a href="http://www.petroleumhistory.org">www.petroleumhistory.org</a>
20-23 May	AAPG Annual Convention & Exhibition - ACE 101 Theme: "Bridging Fundamentals & Innovation"	Salt Lake City, Nevada	<a href="http://ace.aapg.org/2018">http://ace.aapg.org/2018</a>
10-11 Jul	Louisiana Coastal Geology Symposium	LSU Baton Rouge, LA	<a href="http://www.lsu.edu/ces/conferences/lcgs2018/index.php">http://www.lsu.edu/ces/conferences/ lcgs2018/index.php</a>

*New Orleans Chapter of*  
**Society of Independent Professional Earth Scientists**  
*presents its*  
**3rd Annual Membership Drive Crawfish Boil**

Think you can't join?, think again....  
 You more than likely will fit one of these categories:  
 1) Full 2) Limited 3) Affiliate  
 Free to potential members to our SIPES New Orleans Chapter  
 This will be a lunch time party on a Tuesday in Metairie  
**Tuesday, April 17th, 2018**  
**11:30am to 1:30pm**

**Crawfish, Corn, Potatoes,  
 Beer & Softdrinks**

*Nice Weather - outside in the patio  
 Bad Weather - upstairs in party room*

SIPES Members - no cost  
 Potential SIPES member -free  
 Call for reservations  
 SIPES Member guests -  
 \$25/person



**The Harbor Bar and Grill**  
 3024 17th Street  
 Metairie, LA 70002  
 (2 blocks north of Andrea's  
 Restaurant)

If you are interested in joining  
 our Society and attending the  
 Crawfish Boil please contact:  
**Eric Broadbridge**  
[eric@northcoastoil.com](mailto:eric@northcoastoil.com)  
 504-884-0049

Check us out at: [www.sipesneworleans.org](http://www.sipesneworleans.org)  
 or at: [www.sipesorg](http://www.sipesorg)



## Continuous innovation, from pore to pipeline.

In 1927, Conrad and Marcel Schlumberger used their new electrical well logging technique to identify formations in the Pechelbronn oil field in the Alsace region of France—a first in the oil and gas industry. Today Schlumberger continues to innovate by introducing pioneering technologies delivered with technical expertise gained from decades of experience. From reservoir characterization and drilling to production and processing, we integrate multidisciplinary products and services to optimize hydrocarbon recovery and maximize production for our customers.

[slb.com](http://slb.com)

**Schlumberger**

Mark of Schlumberger. Copyright © 2017 Schlumberger. All rights reserved. 17-01-241970

# New Orleans Geological Auxiliary News

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



*David Hammer, WWL-TV Investigative Reporter*



*Beverly Kastler, Jean Jones*



*Peggy Rogers, Marjie Conatser - NOGA President*

## NOGA February Luncheon

On February 21, the members of the Auxiliary held a luncheon at the Waldorf Room of the New Orleans Lakefront Airport. Spouses and guests were invited to attend and to hear David Hammer, Investigative Reporter for WWL-TV, speak. He spoke of some of his recent reports and also the changes happening in the print and TV media. Chris McLindon, President of NOGS, and his wife Jaye were invited to attend. Thanks to Trez Zotkiewicz, Linda Peirce, and Ann Duffy for handling the details and to Camille Yeldell for contacting Mr. Hammer.

While everyone enjoyed the day, it was also bittersweet as we said goodbye to two of our very active members. Jean Jones will be moving to Virginia to be near her son. Beverly and Everett Kastler are moving to the Dallas area to be closer to one of their daughters. Both ladies have been on the board, serving in many capacities including president, and they have also opened their homes to NOGA for the September luncheon and the Spring Social. They will be missed.

The next meeting of NOGA will be on April 7 at the home of Trez and Jim Zotkiewicz. Once again spouses and guests are invited. We will close out this year on May 9 at the New Orleans Country Club.

**Mary Walther, NOGA Director**



*Trez Zotkiewicz, Jaye McLindon, Jim Zotkiewicz, Chris McLindon*

### New Orleans Geological Auxiliary Membership Application

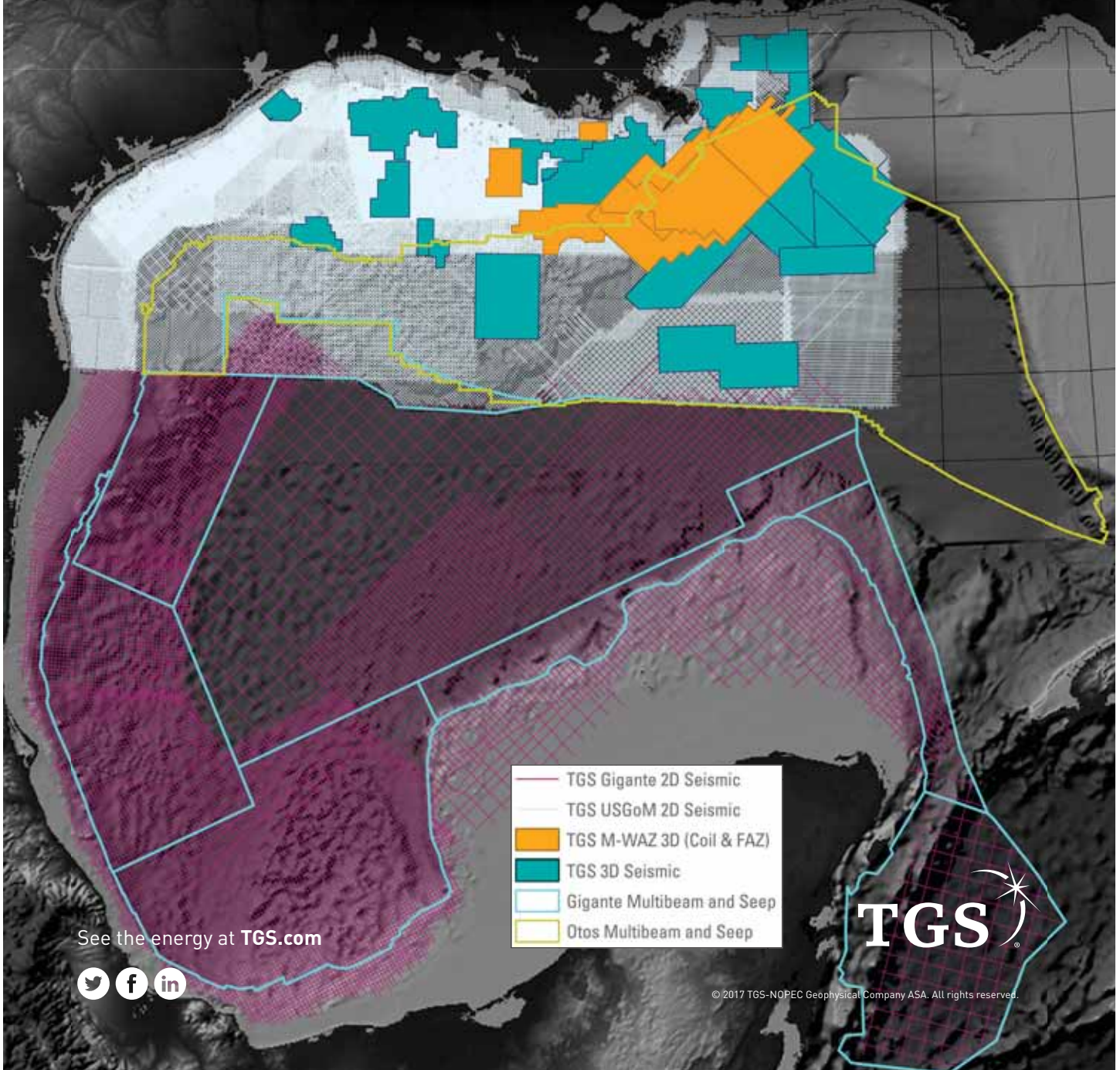
Name _____	Spouse's Name _____
Address _____	Home Phone _____
City, State, Zip _____	Cell Phone _____
Spouse's Company _____	Email _____

**Dues: \$25 payable to New Orleans Geological Auxiliary**  
**Please mail to Judy Lemarié, Treasurer, #2 Yosemite Dr., New Orleans, LA 70131**

# Set your sights.

## Gulf of Mexico

TGS provides industry-leading offshore seismic data using an innovative mix of technologies and unmatched imaging capabilities. Through strategic partnerships, we provide a comprehensive collection of advanced marine acquisition technologies for enhanced reservoir delineation, characterization and monitoring. TGS delivers the E&P industry unlimited potential with our collection of advanced offshore data including **Declaration M-WAZ 3D** survey, **Fusion M-WAZ 3D**, **Otos Multibeam and Seep** and **Gigante 2D Multibeam and Seep** programs. Explore the Gulf of Mexico with the right data, in the right place, at the right time.



See the energy at [TGS.com](http://TGS.com)



© 2017 TGS-NOPEC Geophysical Company ASA. All rights reserved.

## NOGS Finds Winners at 2018 Region 9 Science and Engineering Fair

On February 27 and 28, NOGS members judged Junior Division and Senior Division Earth Science exhibits at the Region 9 Greater New Orleans Science and Engineering Fair at Tulane. My fellow judges were **Dave Cope**, **Jim McCarty**, and **Dave Reiter**. **Liz McDade** was also a Category Judge for Earth and Environmental Science and official NOGS Photographer for the day. Thanks much to all of you!

Five students shared the \$350 in cash prizes. We awarded only a second and a third prize in the Junior Division because we felt the exhibit quality did not measure up to the standards NOGS members expect to see.

Our **Senior Division winner** was **Ashley Seiser**, who studied "Can Google Earth be Used to Demonstrate How the Upside of a Surface Fault Remains Stable Compared to the Downside of a Fault?" You may recall we saw Ashley's work last year when she used Google Earth to measure growth in islands south of diversion projects. She showed her work last May in the presence of **Dr. Nancy Dawers** of **Tulane** and **President Chris McLindon**, our resident experts and leaders in documenting wetlands subsidence. This year, Ashley documented the relationship between upthrown and downthrown wetland losses. The economic impact is soooooo huge. Ashley's teacher is **NOGS Honorary Life Member Cathy Boucvalt**. Ashley also won special awards from the American Meteorological Society and the Association for Women Geoscientists (also judged by NOGS). **Ms. Boucvalt** was recognized by New Orleans NACE International for mentoring the

student project best representing corrosion and received the Bruce J. Helm Foundation teacher award for student with most outstanding medical research project. She was also awarded the Senior Division Teacher Award and was certainly a major reason for John Curtis Christian School's recognition with the Senior Division School Award.

The **second-place senior exhibit** was done by **Tanesia Green** of **Edna Karr**, "How Does the Type of Sediment Affect the Biodiversity Index of Restoration Sites?" Apparently, there was a field trip run last year out to Bayou Dupont and Carnaevan to study freshwater diversion projects, and Ms. Green's work was the best of several which studied effects of diversion.

The **third-place senior exhibit** was done by **Claire Hudson**, of **Patrick Taylor**, also an outgrowth of the diversion trip, "To What Extent are New Wetland Restorations Contaminated with Nutrient Pollutants?"

In the **Junior Division**, the **second-place Junior winner** was **Kayla Roy** of **Lake Forest Elementary Charter**, who grasped the importance of compaction and permeability of earth materials used in sandbags in her project "Sandbag Materials."

**Third place** went to **Madison Verbest** of **John Curtis**, who innovatively studied the effect of the subsurface during earthquakes in "The Dirt on Soil: Does Soil Type Affect Building Stability During an Earthquake?" Her teacher, **Nicole Fabacher**, won the teacher award in the Junior Division.





# NOGS/PLANO/SPWLA 2018 Annual Golf Tournament REGISTRATION

***Please register early! Tournament is May 18th!***

We hope this event will fill up, and we are limited to only 100 players. Remember you are not registered until NOGS has received payment and you are confirmed by Annette.

Make sure you supply your handicap or a score that typifies a set of rounds of golf.

**FOR REGISTRATION, DONATIONS, OR TO VOLUNTEER, CONTACT:  
Annette Hudson: 504-561-8980 or [info@nogs.org](mailto:info@nogs.org)**

Send cash or check (payable to NOGS):  
NOGS Office • 810 Union St.  
Suite 300 • New Orleans, LA 70112

**ANY CREDIT CARDS ACCEPTED**  
with NOGS PayPal:  
<http://nogs.org/payment-center/>  
scroll down to NOGS Special Events

Name \_\_\_\_\_

(\_\_\_\_\_ Handicap) \_\_\_\_\_ @ \$150 each

Company \_\_\_\_\_

Corporate sponsored team \_\_\_\_\_ @ \$700 each team

Emergency Contact: Phone \_\_\_\_\_

Email \_\_\_\_\_

**MULLIGANS: \$20.00 per team**

Team Member Names:

\_\_\_\_\_ (\_\_\_\_\_ Handicap)

\_\_\_\_\_ (\_\_\_\_\_ Handicap)

\_\_\_\_\_ (\_\_\_\_\_ Handicap)

*The tax deductible portion of your tournament participation fees is \$65 under the NOGS Memorial foundation 501(c)3 IRS status.*

# South Louisiana and Offshore Gulf of Mexico Exploration and Production Activities

LAFAYETTE DISTRICT, ONSHORE AREA

By Carlo C. Christina and Kevin J. Trosclair

The Baker-Hughes United States rig count for the month of February averaged 967 rigs, up 30 rigs from the prior month's average. The Louisiana rig count (not including the OCS) averaged 45 rigs for the month of February.

North Louisiana Rigs: .....	37
South Louisiana Rigs: .....	8
Land .....	6
Inland Waters .....	2

## NEW LOCATIONS

In Avoyelles Parish, **North Bayou Jack Field, (A)**, Torrent Oil will re-enter the W. A. Moncrief #1 Roy O. Martin, (SN 154571), to test the Austin Chalk at a depth of 15,624 feet. The #1 Indigo Minerals, (SN 250795), is located in Sec. 23, 2S-5E. The #1 Martin was drilled and completed in 1977 in the Austin Chalk and produced for 32 years, a total of 582,224 barrels of oil.

Torrent Oil will drill an Austin Chalk well in St. Landry Parish, **Moncrief Field, (B)**, in Sec. 4, 3S-6E. The #1 Torrent H, (SN 250806), will be drilled to a proposed depth of 23,292 feet, (16,084 feet true vertical depth), as a horizontal well. It offsets the #1 Turner, (SN 221620), which was drilled as a Tuscaloosa Sand test to a total depth of 17,250 feet in a vertical hole. The well was completed through perforations 16,822 to 16,848 feet, flowing only 250 MCFD.

In Lafourche Parish, **Lake Enfermer Field, (C)**, LLOX will drill the #1 Castex Lafourche LP, (SN 250823), in Sec. 14, 20S-22E to a proposed depth of 14,500 feet to test the M Sand.

Upstream Exploration continues to develop its discovery in **East Cox Bay Field, (D)**, in Plaquemines Parish with its #2 SL 21380, (SN 250826). It will be drilled to a proposed depth of 15,000 feet, (13,000 feet true vertical depth), in 26, 18S-26E.

The field was discovered In December 2014 and the confirmation well was completed in December 2016. To date, these 2 wells have produced more than 500,000 barrels of oil and 1.39 billion cubic feet of gas.

In **Boutte Field, (E)**, St. Charles Parish, LLOX has drilled the #1-A Simoneaux Family Land, (SN 250809 ), to a total depth of 14,221 feet and is preparing to complete it in Sec. 1, 15S-20E. It is located 6700 feet from its #1 Family Land, (SN 250321), which was drilled to a total depth of 12,827 feet and was completed flowing 2025 MCFD and 25 BCPD from a Cib op sand.

LLOX will also drill the #2 Simoneaux Family Land, (SN 250210), in **Boutte Field, (F)**, to a proposed total depth of 13,000 feet, in Sec. 1, 15S-20E.

## COMPLETIONS

In Terrebonne Parish, **Oyster Bayou Field, (G)**, Castex Energy has completed its #1 SL 21614, (SN 250090), as a good gas well lowing 3030 MCFD and 276 BCPD through perforations 12,386 to 12,436 and 13,045 to 13,054. The well was drilled in Oyster Bayou to a total depth of 13,828 feet.

## OFFSHORE GULF OF MEXICO SHELF AND DEEPWATER ACTIVITIES

by Al Baker

During **February 2018**, the **BOEM** approved **60** Gulf of Mexico drilling permits. **Five** of these were for shelf wells, and **55** were for deepwater wells. Of the total number of permits, there were **8 new well permits, 7 in deepwater** and **1 on the shelf**.





# Onshore & Offshore Activity Map for South Louisiana APRIL 2018

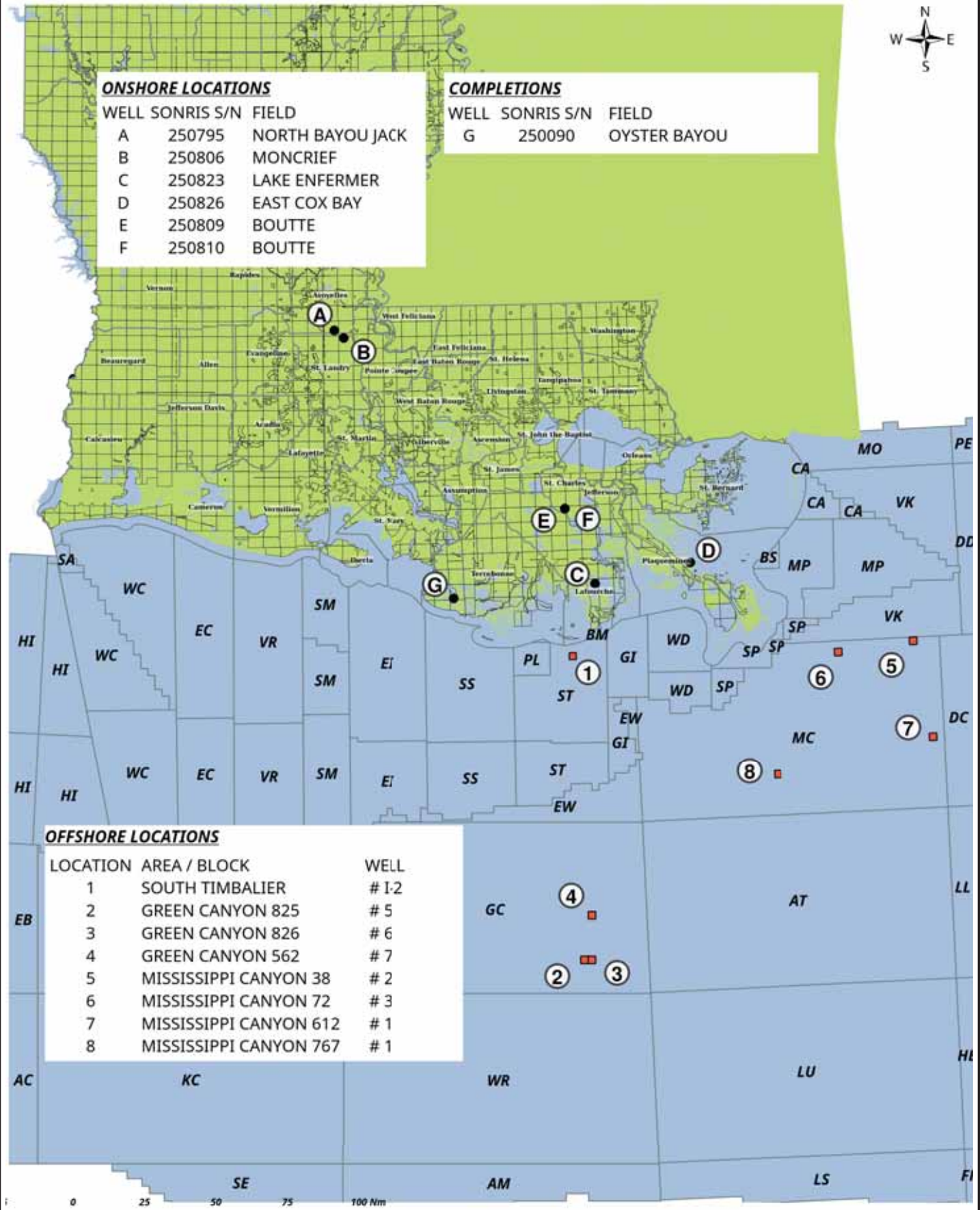


### ONSHORE LOCATIONS

WELL	SONRIS S/N	FIELD
A	250795	NORTH BAYOU JACK
B	250806	MONCRIEF
C	250823	LAKE ENFERMER
D	250826	EAST COX BAY
E	250809	BOUTTE
F	250810	BOUTTE

### COMPLETIONS

WELL	SONRIS S/N	FIELD
G	250090	OYSTER BAYOU



### OFFSHORE LOCATIONS

LOCATION	AREA / BLOCK	WELL
1	SOUTH TIMBALIER	# 1-2
2	GREEN CANYON 825	# 5
3	GREEN CANYON 826	# 6
4	GREEN CANYON 562	# 7
5	MISSISSIPPI CANYON 38	# 2
6	MISSISSIPPI CANYON 72	# 3
7	MISSISSIPPI CANYON 612	# 1
8	MISSISSIPPI CANYON 767	# 1

The seven deepwater new well permits were for **2 development wells** and **5 exploration wells**. The two development well permits were both given to **BP Exploration & Production** for their **Green Canyon 825 #5** and **Green Canyon 826 #6** wells. The five exploration well permits were awarded to **Anadarko Petroleum** for their **Mississippi Canyon 38 #2** and **Green Canyon 562 #7** wells, to **Shell Offshore** for their **Mississippi Canyon 612 #1** and **Mississippi Canyon 767 #1** wells, and to **Deep Gulf Energy III** for their **Mississippi Canyon 72 #3** well.

The single new well permit on the shelf was given to **Arena Offshore** for their **South Timbalier 37 #I-12** development well.

On February 23rd, **IHS-Petrodata** reported that the Gulf of Mexico mobile offshore rig supply stood at **86**, which is **7 less** than last month. The marketed rig supply consisted of **50** rigs, of which **37** were under contract. The marketed rig supply number was **4 less** than reported last month, whereas the contracted rig supply number was **3 greater** than the previous month. The marketed contracted versus total rig supply utilization rate stands at **43%**, and the marketed contracted versus marketed supply utilization rate stands at **74%**. By comparison, the February 2017 total fleet utilization rate stood at

46.9% (**versus 58.1% today**) with 46 out of the 98 rigs under contract.

As of February 23rd, **BakerHughes** indicated that there were **17** active mobile offshore rigs in the Gulf of Mexico, which is **46%** of the rigs under contract mentioned above. This active rigs number is the same as reported last month. Of the 17 rigs, **2** are located on the **shelf**, and **15** are situated in **deepwater**. At the same time last year, there were also 17 mobile offshore rigs operating in the Gulf of Mexico.

As of February 23rd, the **BakerHughes** total U.S. rig count stood at **978** rigs, which are **3 additional** rigs than at the end of January 2018. Of the 978 rigs, **799 (81.7%)** are **oil rigs** and **179 (18.3%)** are **gas rigs**. A year ago, there were 754 rigs working in the U.S. Thus, the current rig figure represents a **29.7% increase** in rigs year over year. **Texas** still has the largest number of rigs with **482**, which is slightly less than half (49.3%) of the total number of rigs in the U. S. **Louisiana** has a total of **60** rigs.

By the time this article is published the **BOEM** will have conducted **OCS Sale 250** on **March 21, 2018**. The sale is being touted as the largest acreage offering in the history of offshore lease sales.



## 2018 ADVERTISING RATES

The New Orleans Geological Society was formed in 1941, with an initial membership of only 55. It has always been an active professional society and presently has a membership of 500.

AD SIZE	2015 RATE	NEW 2018 RATE!
Full Page (7.5"x10")	\$3500	\$1750
Half Page (3.75"x10" or 7.5"x5")	\$1850	\$925
Quarter Page (3.75"x5" or 7.5"x2.5")	\$1000	\$500
Eighth Page (3.75"x2.5")	\$600	\$300
Twelfth Page (3.75"x1.65")	\$375	\$188
Note Size (3.75"x.75")	\$120	\$60



### PREMIUM LOCATIONS

Inside Front Cover.....	+30%
Opposite President's Page.....	+20%
Opposite Oral Abstract.....	+20%
Inside Back Cover.....	+30%
Outside Back Cover.....	+40%

# LSU

## Center for Energy Studies

### Louisiana Coastal Geology Symposium 2018 July 10-11, 2018

Dalton J. Woods Auditorium • LSU Energy, Coast & Environment Building • Baton Rouge

*Presented by:* Louisiana Geological Survey and New Orleans Geological Society

#### Preliminary Call for Abstracts

This symposium will bring together scientists, engineers and policy makers from across a range of disciplines to exchange ideas, interpretations and insights on Louisiana coastal geology – both onshore and offshore – and on associated topics. It will be held in the Dalton J. Woods Auditorium of the Energy, Coast and Environment Building at Louisiana State University. John E. Johnston III of the Louisiana Geological Survey will serve as symposium chair.

You are hereby invited to submit an abstract for consideration as an oral or poster session at the symposium.

#### **Deadline for abstracts: May 30, 2018**

#### ***Topics for submission related to the Louisiana coast (specifically including the offshore) and its geology include:***

Coastal geology • Coastal geohazards • Coastal ecology • Coastal environments • Coastal erosion  
Coastal landforms and geomorphology • Coastal oil and gas regulation • Coastal sedimentology • Coastal subsidence  
Geological components of coastal sustainability planning • Geological oceanography • New technologies or methodologies  
Geological processes affecting the onshore and offshore landscapes  
Geology, geomorphology, and geohazards of Louisiana barrier islands • Oil spill studies  
Onshore and offshore geological, geophysical, geochemical, sedimentological and paleontological investigations  
Onshore and offshore oil and gas exploration and production • Onshore and offshore pipelines • Paleoclimate studies  
Planning impacts of coastal geologic features • Salt dissolution • Salt water intrusion • Sea level rise • Tsunamis, waves and tides

**Abstracts must be submitted here: <https://easychair.org/conferences/?conf=lcs2018>**

#### Registration Information

- Advance registration must be postmarked by June 30, 2018.
- Checks should be made out to "New Orleans Geological Society" with "LCGS 2018" in the "For" blank
- Regular registration is \$40 until June 30, 2018, and \$80 thereafter.
- Student registration is \$5 until June 30, 2018, and \$10 thereafter.
- Speakers and posters presenters receive free registration.
- Click [HERE](#) for the advance registration form.

Additionally the Louisiana Geological Survey and the New Orleans Geological Society have joined forces in 2018 to lead the development of a Louisiana Coastal Geohazards Atlas. Several presentations will be made regarding the atlas and its progress.

*For further information, please contact John E. Johnston III at [hammer@lsu.edu](mailto:hammer@lsu.edu).*



*Like us on Facebook!*

The new page for the New Orleans Geological Society is a great way to connect with other geologists and keep up to date with the latest NOGS events, videos, updates, and fun geology tidbits.

Find us at <https://www.facebook.com/nogs.org/>



610 E. Rutland St.  
Covington, LA 70433  
985.898.3577

Jack M. Thorson  
Eric C. Broadbridge  
J. Daryl Gambrell

**ROCK SOLID  
SERVICE**



**Core Lab**  
RESERVOIR OPTIMIZATION  
[www.corelab.com](http://www.corelab.com)  
337-837-8616

© 2013 Core Laboratories.  
All rights reserved.



**Anthony Catalanotto**  
*Manager*

**Geological  
Geophysical  
Land**

*Drafting & Graphics*

516 Maryland Avenue  
Metairie, LA 70003  
(504) 481-7291  
E-Mail: [geodraft@bellsouth.net](mailto:geodraft@bellsouth.net)  
Website: [www.geodraftinc.com](http://www.geodraftinc.com)



Domestic &  
International



**BIOSTRATIGRAPHY**

**ANYTIME,  
ANYWHERE,  
ANY FOSSIL**

*Complete paleo services*

*Largest single-source database*

*Custom projects & mapping*

*Multiple fossil disciplines*



**504-488-3711  
PALEODATA.COM**

**LLDG**  
exploration



**Covington Office**

1001 Ochsner Blvd., Suite 200  
Covington, Louisiana 70433  
p: 985.801.4300  
f: 985.801.4796

**Houston Office**

CityCentre Three  
842 W Sam Houston Pkwy N  
Suite 600  
Houston, Texas 77024  
p: 281.752.1100  
f: 281.752.1199

**Scott Office**

814 S. Frontage Rd.  
Scott, LA 70583  
p: 337.408.4000  
f: 337.408.4049

[www.llog.com](http://www.llog.com)

## THE NEW ORLEANS GEOLOGICAL SOCIETY MEMORIAL FOUNDATION, INC.

The Memorial Foundation is an IRS Tax Exempt Code #501(c)(3) organization. The Federal I.D. is 72-1220999. Please consider making a donation to the Foundation. Your individual support in any amount will help meet the IRS Guidelines for our Foundation. Thanks!

### \$10,000

#### Gibbet Hill Foundation

*In Memory of Steve & Marion Millendorf, William J. Prutzman,  
Roger G. Vincent, Ron Youngblood, Uno Numella and Dr. Robert T. Sellars, Jr.*

### \$8,400

#### NOGS/PLANO Golf Tournament

### \$1,000

#### Chevron Your Cause

*Volunteer Hours William D. Haworth and Allen J. Melillo*

#### Mr. Armour C. Winslow

*In Memory of Rita Menzel Winslow and Lawrence C. Menconi*

### \$500

#### Mr. Thomas C. Bergeon

#### Mr. Edward Falis, Sampling Associates International, LLC

*In Memory of Willis E. Conatser and Mr. Arthur H. Johnson*

### \$250 TO \$499

#### Mr. Carlo C. Christina

*In Memory of Al Gilreath*

#### Mr. Jeff Jandegian

*In Memory of Dr. Raymond W. "Ray" Stephens, Jr., Ron Youngblood and D. William W. Craig*

#### Mr. Edward B. Picou, Jr.

*In Memory of Arthur H. Johnson, Willis E. Conatser,  
Bernard L. Hill, Jr., and Russell H. Nordwell*

### UP TO \$249

#### Mr. Woods W. Allen, Jr.

*In Memory of William C. Ward*

#### Mr. Maurice Birdwell

*In Memory of Al Gilreath*

#### Mr. Hilary James Brook

#### Mr. Rob Burnett

#### Chevron Humankind Matching Funds

#### Mr. Carlo C. Christina

*In Memory of Willis E. Conatser*

#### Carlo and Beverly Christina

*In Memory of Arthur H. Johnson*

#### Trudy and Charles Corona

*In Memory of Arthur H. Johnson,  
Peter G. Gray, Willis E. Conatser,  
James "Jim" A. Hartman, PhD  
and all deceased former past  
presidents of NOGS*

#### Mr. Merle J. Duplantis

#### Mr. Kenneth Huffman

#### Mr. Alex G. Janevski

*In Memory of Arthur H. Johnson*

#### Mr. Tom Klekamp

*In Memory of Arthur H. Johnson*

#### Ms. Jeannie F. Mallick

#### Ms. Margaret M. McKenney

#### Mr. Chris McLindon

#### Mr. Richard Olsen

#### Mrs. Teresa O'Neill

*In Memory of Brian J. O'Neill*

#### Mr. William S. Peirce

#### Mr. Jack N. Peterson M.D. and Mr. Tom R. Young

*In Memory of Arthur H. Johnson*

#### Cecil and Tanya Pickens

*In Memory of Willis E. Conatser*

#### Mr. Edward B. Picou, Jr.

*In Memory of James "Jim" A. Hartman, PhD*

#### Ms. Nancy Shepard

*In Memory of Clark Kinler  
In Memory of Alfred P. Daigle*

#### Shell Matching Funds

#### Dr. J. O. Snowden

#### Ms. Candace V. Strahan

*In Memory of Raymond W. "Ray" Stephens, Jr.,  
and James R. Strahan for The Bill Craig Fund*

#### Mr. David M. Tatum

#### Mr. William M. Whiting

*In Memory of Arthur H. Johnson*

#### Mr. and Mrs. James W. Yeldell

*In Memory of Willis E. Conatser*

#### Mr. Jim Zotkiewicz

## FONO FUND

The FONO Fund accepts contributions that are invested and the income dedicated to assure sufficient financial resources will always be available to maintain the NOGS business office. Contributors are reminded that donations to the FONO Fund are not covered by the IRS 501(c)(3) tax exempt classification and should be reported as a business expense on your IRS tax report.

### UP TO \$249

#### Mr. Joseph E. Boudreaux

#### Mr. Merle J. Duplantis

#### Mr. Dwight Easterly

#### Mr. Kenneth Huffman

#### Mr. Tom Klekamp

#### Mr. James R. Landrem


#### Ms. Jeannie F. Mallick

#### Mr. William S. Peirce

#### Mr. Bay Salmeron

#### Mr. David M. Tatum

Contributions for both funds for one year through February 10, 2018. Donations are listed for one year.

<p><b>ANSYTHE</b> Donald I. Andrews <b>504-887-3432</b></p> 	<p>James S. Classen <b>CLASSEN &amp; CO. LLC</b> 6417 Plantation Lane • Boise, ID 83703</p>
---	---

<p><b>THE BOEBEL COMPANY</b> Oil and Gas Investments New Orleans, LA 70153 <b>(504) 866-4313</b></p>	<p><b>D-O-R ENGINEERING, INC.</b> 3-D and Geoscience Services 6161 Perkins Rd. P.O. Box 80812 Bus: (225) 765-1914 Baton Rouge, LA 70898</p>
--	---

<p><b>BOO-KER OIL &amp; GAS CORP.</b> Gray S. Parker 826 Union, Suite 300 New Orleans, LA 70112 Bus. (504) 581-2430 Fax (504) 566-4785</p>	<p><b>EDWARD B. PICOU, JR.</b> Consulting Micropaleontologist - Retired 228 St. Charles Ave., Suite 1330 C New Orleans, LA 70130 Bus. (504) 529-5155 Res. (504) 282-3096</p>
--	--

<p><b>C &amp; R EXPLORATION, INC.</b> Carlo C. Christina Lawrence G. Ringham</p>	<p><b>GEM Consulting, LTD</b> GEOLOGY ENVIRONMENTAL MANAGEMENT Emmitt Lockard emlockard@yahoo.com Michael Louis Merritt admin@gemconsultingltd.com</p> 
--	--

**NOGS**



*Thanks Our Sponsors  
for Their Support!*

**\$2,500**

**DIVERSIFIED WELL LOGGING, LLC** **Diversified Well Logging**

**SIPES**  
Society of Independent Professional Earth Scientists  
New Orleans Chapter  
For membership info. Contact:  
Eric Broadbridge - eric@northcoastoil.com  
504-884-0049 [www.sipesneworleans.org](http://www.sipesneworleans.org)



**LaBay Exploration Co., L.L.C.**  
1080 West Causeway Approach  
Mandeville, Louisiana 70471  
(985) 951-2011  
[www.labayexploration.com](http://www.labayexploration.com)



**THOMAS L. DAVIS GEOLOGIST**, Ventura, CA, 93001  
tel: 818-429-4278, [www.thomasldavisgeologist.com](http://www.thomasldavisgeologist.com)  
tldavisgeo@gmail.com. +35 yrs exploration & development  
experience in the western US, overseas and offshore.  
Prospects, data and field assessments available.  
Lots of free petroleum geology info at web site.



**ZOT OIL & GAS, LLC**  
Jim Zotkiewicz - Petroleum Geologist  
Business Phone: 504.267.9138  
Email: jimzot38@zotoil.com

**SEI**<sup>®</sup>  
Seismic Exchange Inc.  
Strategic Speculative Surveys  
Geophysical Data Marketing & Management

**YouR**  
Full Service National Seismic Data Marketing Firm

DALLAS DENVER NEW ORLEANS TULSA

201 St. Charles Ave  
Suite 4300, New Orleans, La 70170  
[www.seismicexchange.com](http://www.seismicexchange.com)

# APRIL.7.2018

11:00 am - 3:00 pm

**VOLUNTEERS NEEDED!**



# SUPER SCIENCE SATURDAY

**DINOSAURS, EARTHQUAKES & OIL**



**BROUGHT TO YOU BY:**  
The Louisiana Children's Museum  
The New Orleans Geological Society  
The Southeastern Geophysical Society

To volunteer, contact Tom Bergeon at [tom.bergeon@upstreamexp.com](mailto:tom.bergeon@upstreamexp.com)



**NEW ORLEANS GEOLOGICAL SOCIETY**

810 Union Street, Suite 300  
New Orleans, LA 70112-1430

[www.nogs.org](http://www.nogs.org)



**NOGS**

**creative graphics  
& printing, llc**

*Proudly designing and printing the NOGS LOG since 2012!  
Specializing in design and printing for the oil and gas industry and their affiliates.*

ID Tags • Numbered Raffle Tickets • Banners • Signs • Posters  
Letterhead • Envelopes • Business Cards • Postcards • Newsletters • Custom Forms  
Logo Design • Push Cards • Table Tent Cards • Custom Invitations • Magnetic Signs & Business Cards  
T-Shirts • Cups • Coozies • Pens • Hats & Caps • Coasters • USB Drives

*Full Service, Custom Graphic Design & Printing!*

985.626.5223 • 985.630.7824 • [kpbrown@bellsouth.net](mailto:kpbrown@bellsouth.net)  
or contact [annette@nogs.org](mailto:annette@nogs.org)