

NOGS LOG

SEPTEMBER 2018

Volume 59, Number 3



SEPTEMBER 10 - NOGS LUNCHEON PRESENTATION

Gulf Coast Energy Outlook

Guest Speaker: Dr. Gregory Upton

Louisiana State University • Baton Rouge, Louisiana


girl scouts
louisiana east

*Women Geoscientist Role Model
Volunteers Needed!*

3 Hour Shifts Needed



**Saturday
September 29th**

**University of New Orleans
New Orleans, LA**

9:30 a.m. - 2:00 p.m.

Contact Tom Bergeon for additional details
Tom.bergeon@upstreamexp.com or 504.832.3772





Published monthly by the New Orleans Geological Society. This issue was sent to press on August 31, 2018.

Interested in contributing to the NOGS LOG?

Please submit items by the 1st Friday of the month to nogseditor@gmail.com. Advertising requests should contact NOGS at admin@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: September - October.....	10
NOGA News.....	14
Drill Bits	16
NOGS Memorial Foundation & FONO Fund.....	25

Special Features:

Girl Scouts BIG Event.....	2
NOGS Kick Off Party.....	5
Picture From Our Past.....	10
Early Over-Water Drilling Near Shreveport LA	12
NOGS August Luncheon	15
2018 GCAGS-GCSSEPM Convention.....	18
New Ad Rates	19
Like Us on Facebook!.....	20
Energy Day.....	23

on the cover

Cover photo courtesy of Justin Paul, Take-A-Hike

Close up photo (below) courtesy of Ann Bloxom Smith

Rock Falls — Louisiana

Sicily Island Hills Wildlife Management Area is between Monroe and Shreveport, above Alexandria in Catahoula Parish. It is a unique area in Louisiana with “rugged” terrain. Elevations rise to 245 ft, these are the only hills west of the Mississippi River in Louisiana. The hills lie in the Ouachita River alluvial plain and are part of the Grand Gulf formation. The area is a series of chalk hills, which are an erosional remnant of the Catahoula sandstone. Hard sandstone forms the base of the formation and is resistant to erosion.

The area is known for steep hills, scenic views and waterfalls. The picture(s) are of the Rock Falls waterfall. Rock Falls is the tallest waterfall in the state of Louisiana, being 17 feet in height.



From the Editor

Last month’s meeting was so amazing. When I first heard that the talk was about Mars, I was thinking the Mars Field in deepwater Gulf of Mexico. Well, it was the real thing – Mars the PLANET. Dr. Kirsten Siebach was a great presenter with lots of enthusiasm. I was more intrigued by the engineering of the landing of the Curiosity rover on Mars than the geology. During the descent a sky crane structure drops down and quickly fires its thrusters, carrying the rover toward the surface of Mars. It reminded me of the 1965 Japanese monster movie named “Gamera, the Giant Monster.” Gamera was a flying turtle who could shoot fire from its arms and legs to propel and steer itself. If you weren’t at the meeting you missed a good presentation, but you can still catch Gamera on DVD or somewhere.

If I made any technical mistakes on the technology of the rover descent, please forgive me. And if anyone has some pictures from the past it would be great to post them in the *NOGS LOG*. Send them to the nogseditor@gmail.com.

Fran
Fran Wiselady,
NOGS LOG Editor



FROM THE PRESIDENT **ALEX JANEVSKI**

In a previous column I mentioned the significant headwinds that NOGS has faced as we struggled with a loss of advertising revenue, which has led us to close our physical office and to publish the *NOGS LOG* digitally. I believe these well-reasoned decisions were essential to deal with a short-term financial difficulty, but I also believe decisions like these may have bettered us for the future. Headwinds are not always bad.

When a plane takes off it requires lift, and that lift is created when wind moves over the wings. The plane's engine generates most of the thrust to enable a plane to take off, but taking off into the wind can also help generate lift as the headwinds blow past the wings. This allows a plane to climb into the air sooner and at a lower velocity, which allows for safer take-offs. Interestingly, landings are also safer with headwinds, as it allows the plane to come in at a slower ground speed (lift is also necessary for a smooth landing).

In the next few months you will see some changes to NOGS. On July 30th, Annette Hudson, our long-time office manager and a friend to many of us, retired. NOGS relied heavily on Annette's knowledge of how to run the society. The bylaws specify that the Executive Committee of NOGS may hire a paid assistant if "this is deemed necessary for the efficient operation of the Society." I saw no way for NOGS to continue doing all that we do without a paid assistant. In order to hire someone, the NOGS Board underwent a search process that resulted in over 150 applications submitted for the position, many of which came with good experience, and many by personal recommendation.

The end result of the search was the hiring of Christy Himel as our new administrator. If you were at the August luncheon, you saw an incredibly interesting talk on the stratigraphy of Mars (yes, I said Mars). You may have also met Christy at the door in what was her first day on the job. Christy's willingness to jump in and help with the luncheon on her first day with NOGS tells you much of what you need to know about her. She comes to us with a wealth of experience in running

professional societies like ours, great skills that will help improve the functioning of our organization, and a passion to get it done. Expect to see some changes in the next few months, and bear with us, as we learn all that Christy has to offer us to be a more effective professional society, and we work to bring her up to speed on all that NOGS does.

Speaking of which, when this issue of the *NOGS LOG* goes to press many of us will have just attended the Deepwater Symposium, cosponsored by NOGS, and I hope you were able to attend the geoscience opening seminar. We need volunteers for Energy Day on September 22nd at the Louisiana Children's Museum, and September 29th at the Girl Scout's "Believe in Girls" event on the UNO Campus. Email Tom Bergeon (tom.bergeon@upstreamexp.com) if you are interested in helping out. For the latter event we particularly need women geoscientists to come out and show these young ladies that geoscience is for everyone. On September 30-October 2, the 68th Annual Convention of the Gulf Coast Association of Geological Societies and the Gulf Coast Section of the Society of Economic Paleontologists and Mineralogists will take place in Shreveport, sponsored by the Shreveport Geological Society.

It's important for NOGS members to come out for our annual kick-off party and membership drive, planned for Wednesday, September 19th, 5-7 at NOLA Brewery - and bring your friends. New NOGS members will get their food and drinks for free. I will not be able to attend this year as I will be on a field trip in Utah to learn about the structure and stratigraphy of salt plays, on which I get to take a chartered flight over the magnificent geology of southeastern Utah. I hope for headwinds.

Alex Janevski

To America's 9-11 Heroes...



...citizens and first responders, who unselfishly and voluntarily gave up their lives in the rescue of Twin Tower victims...

Thank You!
We will never forget!

New Orleans Geological Society 2018 Fall Kick-off Party and Membership Drive

5-7 PM, September 19th, 2018
NOLA Brewing Company
3001 Tchoupitoulas, New Orleans

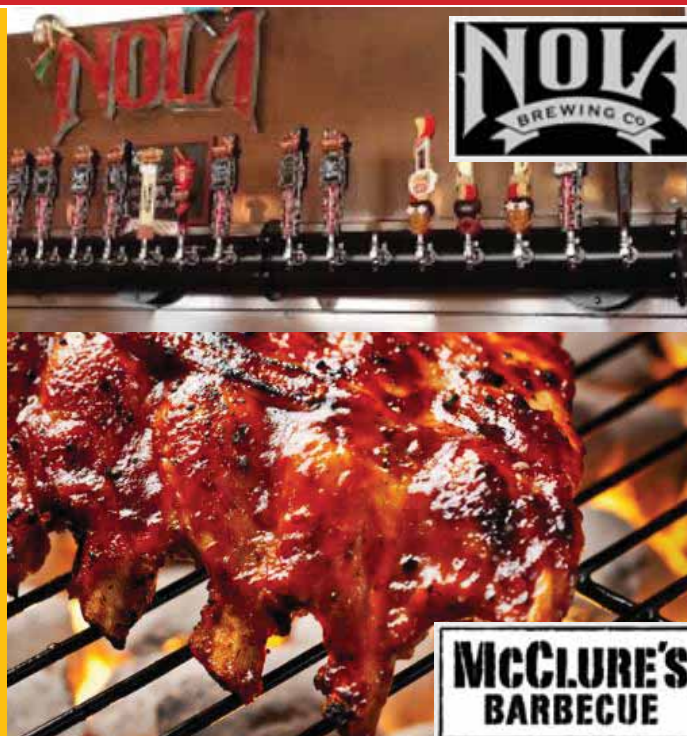
Invite new members!

Members/Guests \$10
New members **FREE**
with 1st year's dues \$25
Students **FREE** 1st year,
\$12.50 renewal
2 beer tickets,
food and friends!



RSVP to admin@nogs.org

Bring your colleagues!



Halokinesis and Sequence Stratigraphy of Salt Plays

Sept 17-21, 2018



WHO SHOULD ATTEND

- Geologists
- Geophysicists
- Petrophysicists
- Engineers

This course is meant for all who are working on mobile substrate basins, especially the GOM, Angola and Brazil

YOU WILL LEARN HOW TO:

- Relate seismic facies to reservoir and non-reservoir rocks
- Interpret salt-related plays on seismic data
- Determine timing of deposition vs salt movement
- Describe mixed evaporite-carbonate-siliciclastic successions

TRIP HIGHLIGHTS

- Chartered flight over structures produced by salt tectonics
- Seismic-scale diapirs
- Minibasins in outcrop
- Core workshop on salt-encased reservoir sandstone

\$4250/person – this price includes tuition, course manuals, exercise materials, hotels, all meals, transportation and pick-and-drop from the airport, and 1-hour long overflight. To register e-mail us: info@stratigraphyhelp.com or call (720) 434-3864



NOGS Contact Information

Email: admin@nogs.org • Website: www.nogs.org

P.O. Box 58108 • New Orleans, LA 70158.

Correspondence and all luncheon reservations should be sent to the above address.

BOARD OF DIRECTORS

President	G. Alex Janevski
Vice President	Chris McLindon
Secretary	Shara Gremillion
Treasurer	David B. Culpepper
President-Elect	Robert Rooney
Editor	Fran Wiseman
Director 2019	Jennifer Connolly
Director 2020	David Reiter
Director 2021	Charles W. Holman

Company

Shell
Upstream Exploration LLC
USM Student
The Culpepper Group, LLC
Robert M. Rooney Inc.
Retired - BOEM
Shell
Talos Energy LLC

Phone

504-425-6214
504-756-2003
504-554-0319
985-264-1677
504-460-0319
504-615-5170
504-425-6411
504-593-3623
504-975-6735

E-mail

gregory.janevski@shell.com
chris.mclindon@Upstreamexp.com
shara.gremillion@usm.edu
dculpepper@theculpeppergroup.com
robmrooney@aol.com
snowde.fran@gmail.com
jennifer.connolly@shell.com
david.reiter@talosenergy.com
charleswholman@bellsouth.net

COMMITTEE

AAPG Delegates
AAPG Student Chapter
AAPG Student Chapter
AAPG Student Chapter
Advertising-Log
Auditing
Awards
Ballot
Best Paper
Entertainment
Environmental
External Affairs
Finance and Investment
Historical
Membership/Directory
New Geoscientists (NGNO)
Nominating
Non-Technical Education
Office Operations
Publications Sales
School Outreach
Special Projects

Chairperson

William M. Whiting
Sam B. Shrull
Tushar Bishnoi
Joshua Flathers
TBD
Chris McLindon
Michael N. Fein
David B. Culpepper
Bay Salmeron
Robert Rooney
TBD
John E. Johnston III
Margaret McKinney
Edward B. Picou, Jr.
TBD
Rachel Carter
Brenda Reilly
Duncan Goldthwaite
Chris McLindon
Edward B. Picou, Jr.
Thomas C. Bergeon
TBD

Consultant
LSU
Tulane University
UNO

504-947-8495
281-705-3254
504-952-6437

bootscon@aol.com
sshrul2@lsu.edu
tbishnoi@tulane.edu
jrflathe@uno.edu

Upstream Exploration LLC
The Culpepper Group, LLC
Chevron
Robert M. Rooney Inc.

504-756-2003
504-717-6465
985-264-1677
832-854-6431
504-460-0319

chris.mclindon@Upstreamexp.com
lfeinmn1@cox.net
dculpepper@theculpeppergroup.com
bay.salmeron@chevron.com
robmrooney@aol.com

Louisiana Geological Survey
TGS
Retired - Shell

225-931-6622
504-524-3450
504-975-3096

hammer@lsu.edu
margaret.mckinney@tgs.com
epicou@bellsouth.net

913-710-8021
504-430-4240
504-887-4377
504-756-2003
504-975-3096
504-832-3772

r_carter@me.com
brendaerilly@hotmail.com
DGldthwt@aol.com
chris.mclindon@Upstreamexp.com
epicou@bellsouth.net
tom.bergeon@upstreamexp.com

NOGS LOG STAFF

Editor	Fran Wiseman
Editor-Elect	Grant Black
Auxiliary	NOGA Officers and Directors
Drill Bits	Al Baker
Drill Bits	Carlo C. Christina
Drill Bits	Kevin Trosclair
Staff Photographer	Arthur Christensen
Layout / Printing	Kristee Brown
Webmaster	Charles Miller

Retired - BOEM

Chevron

NOGA

Beacon Exploration, LLC

Retired - C & R Expl. Inc.

BOEM

Shalimar Consulting

Creative Graphics & Printing, LLC

OCSBBS Website

504-615-1570
918-906-4485

504-836-2710

504-202-7997

985-893-2013

985-626-5223

snowde.fran@gmail.com
--

gblack@chevron.com
--

ABaker1006@aol.com
--

carlocc398@aol.com
--

kevintrosclair@gmail.com
--

arthur_shalimar@yahoo.com
--

kpbrown@bellsouth.net
--

NOGS AUXILIARY

Officers

President	Margie Conatser
Vice-President	Camille Yeldell
Secretary	Linda Peirce
Treasurer	Mary Walther
Parliamentarian	Alma Dunlap
Member-at-Large	Trudy Corona

Phone

504-469-2496
504-835-7467
504-289-6585
504-392-9332
504-737-2678
504-737-6101

Directors

Penny Bryant
Loretto Stephens
Judy Lemarié
Peggy Rogers

Year

2017-19	504-831-7744
2017-19	504-451-3472
2018-20	504-393-8659
2018-20	504-392-6323

Phone



September 10 • NOGS Luncheon

Holiday Inn Downtown Superdome

\$3.00 validated parking in hotel garage

Presentation:

Gulf Coast Energy Outlook

Guest Speaker:

Dr. Gregory Upton

Louisiana State University • Baton Rouge, Louisiana

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!**

September 22

Energy Day

11 am - 3 pm • Louisiana Children's Museum

For more info, Tom Bergeon at tom.bergeon@upstreamexp.com

September 30 - October 2

68th Annual GCAGS-GSSEPM Convention

"Energy! Ready for the Next Round"

Shreveport Convention Center • Shreveport, LA

For more info, www.gcags2018.org

September 29

Girl Scouts B.I.G. Event

9:30 am - 2 pm • University of New Orleans • New Orleans, Louisiana

For more info, info@stratigraphyhelp.com or 720-434-3864

October 1

NOGS Luncheon Presentation

Holiday Inn Superdome • New Orleans, Louisiana

Speaker: Michael Hopkins • Lake Pontchartrain Basin Foundation

For more info, admin@nogs.org or 504-561-8980

**VOLUNTEERS
NEEDED!**

NOGS CONTACT LIST

Continued from previous page

MEMORIAL FOUNDATION

BOARD OF TRUSTEES

2018-2019	Chairman	Chris McLindon
2018-2019	Secretary	G. Alex Janevski
2018-2019	Trustee	Kelli Hardesty
2018-2019	Trustee	William M. Whiting
2019-2020	Trustee	David Reiter
2019-2020	Trustee	TBD
2020-2021	Trustee	TBD
2020-2021	Trustee	TBD

Company

Upstream Exploration LLC
Shell
ERM
Consultant
Talos Energy LLC

Phone

504-756-2003
504-425-6214
504-846-9245
504-947-8495
504-593-3623

E-mail

chris.mclindon@Upstreamexp.com
gregory.janevski@shell.com
kelli.hardesty@erm.com
bootscon@aol.com
david.reiter@talosenergy.com

AAPG DELEGATES

Term Ends

2018	Earl Cumming
2018	William M. Whiting
2018(a)	Dave Balcer
2020	Elizabeth McDade
2020(a)	G. Alex Janevski

Reservoir Frameworks LLC
Consultant
Shell

985-630-6898
504-947-8495
504-425-6214

earlcumming@bellsouth.net
bootscon@aol.com
balcer@bellsouth.net
elizabeth_mcdade@fmi.com
gregory.janevski@shell.com



September 10 NOGS Luncheon Presentation

☆☆☆ at the Holiday Inn Superdome ☆☆☆

Gulf Coast Energy Outlook

Presented by

Dr. Gregory B. Upton

Center for Energy Studies • Louisiana State University

Baton Rouge, Louisiana

ABSTRACT

Greg Upton is Assistant Professor at the Center for Energy Studies at Louisiana State University. The Center for Energy Studies conducts, encourages, and facilitates research and analysis to address energy-related problems or issues affecting Louisiana's economy, environment, and citizenry. The Center's goal is to provide a balanced, objective, and timely treatment of issues with potentially important consequences for Louisiana. Dr. Upton will discuss how U.S. shale oil and gas is continuing to drive U.S. production records and the implications for Louisiana are significant. What will happen to conventional production? And how will the refining and chemical industry fare? Dr. Upton will discuss the ramifications of the energy transformation of the past decade and provide an outlook for coming years. He will also discuss potential tax policy changes in Louisiana in coming years and how it might impact up-stream producers.

BIOGRAPHY



Dr. Gregory Upton is Assistant Professor at the Center for Energy Studies at Louisiana State University.

Dr. Upton's research interests are related to the analysis of economic, environmental and public policy issues in energy and regulated industries. During his

tenure at LSU, Dr. Upton has addressed a number of topical energy issues of significance to Louisiana, including the impact of the oil price collapse on Louisiana's budgetary challenges, solar tax credits and net metering policies, implications of the crude oil export ban's lifting on the Louisiana economy,

and the adequacy of the LOSCO oil spill fund, among others. He has presented research on these topics to more than 40 industry and academic groups over the past four years, has been cited more than three dozen times in local and national media including the Wall Street Journal. He has written guest columns about energy related issues affecting Louisiana appearing in the Baton Rouge, New Orleans and Acadiana Advocates, Baton Rouge Business Report, New Orleans' Times-Picayune, Lafayette's Daily Advertiser, Public Utilities Fortnightly Magazine, among others.

Dr. Upton holds a Ph.D. in Economics from Louisiana State University where he also received both an M.A. in economics and a B.S. in economics with a concentration in empirical analysis. He is a member of professional organizations such as the American Economic Association (AEA), International Association of Energy Economics (IAEE), Association of Environmental and Resource Economists (AERE), and the Southern Economic Association (SEA). He has taught courses the Department of Environmental Sciences and Department of Economics at LSU and is a program faculty member at Michigan State University's Institute of Public Utilities, one of the country's premier education programs for public utility employees and regulators.

**THE SEPTEMBER LUNCHEON RESERVATION
DEADLINE IS SEPTEMBER 7.**

"And Looking Ahead . . ."

The next luncheon will be held on October 1. Our guest speaker will be Michael Hopkins from the Lake Pontchartrain Basin Foundation. Contact NOGS at admin@nogs.org or use the PayPal link at 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: SEPTEMBER - OCTOBER 2018

If you know of upcoming seminars or academic events that may be of interest to our members, please email the event details to Fran Wiseman at nogseditor@gmail.com to be included in the monthly calendar.

2018	EVENT	LOCATION	CONTACT / INFO
3 Sep	Labor Day		
10 Sep	NOGS Luncheon Presentation "Gulf Coast Energy Outlook" Speaker: Gregory B. Upton LSU Center for Energy Studies	Holiday Inn Superdome	admin@nogs.org or 504-561-8980
17-21 Sep	Applied Stratigraphix "Halokinesis and Sequence Stratigraphy of Salt Plays"		info@stratigraphyhelp.com 720-434-3864
19 Sep	NOGS 2018 Fall Kick-Off Party & Membership Drive	5-7 pm NOLA Brewing Company 3001 Tchoupitoulas • N.O.	RSVP to admin@nogs.org See page 5 for more information.
22 Sep	Energy Day	11 am - 3 pm LA Children's Museum	Tom Bereon • 504-832-3772 tom.bergeon@upstreamexp.com
29 Sep	Girl Scouts B.I.G. Believe in GIRLS Event	9:30 am - 2 pm UNO • New Orleans, LA	Tom Bereon • 504-832-3772 tom.bergeon@upstreamexp.com
Sep 30 -Oct 2	68th Annual GCAGS-GSSEPM Convention	Shreveport Convention Center Shreveport, LA	www.gcags2018.org
1 Oct	NOGS Luncheon Presentation "Insights from Elevation Surveys of Faulted Bridge Structures in Lake Pontchartrain Suggest a New Methodology for Quantifying Subsidence in South Louisiana" Speaker: Michael Hopkins Lake Pontchartrain Basin Foundation	Holiday Inn Superdome	admin@nogs.org or 504-561-8980

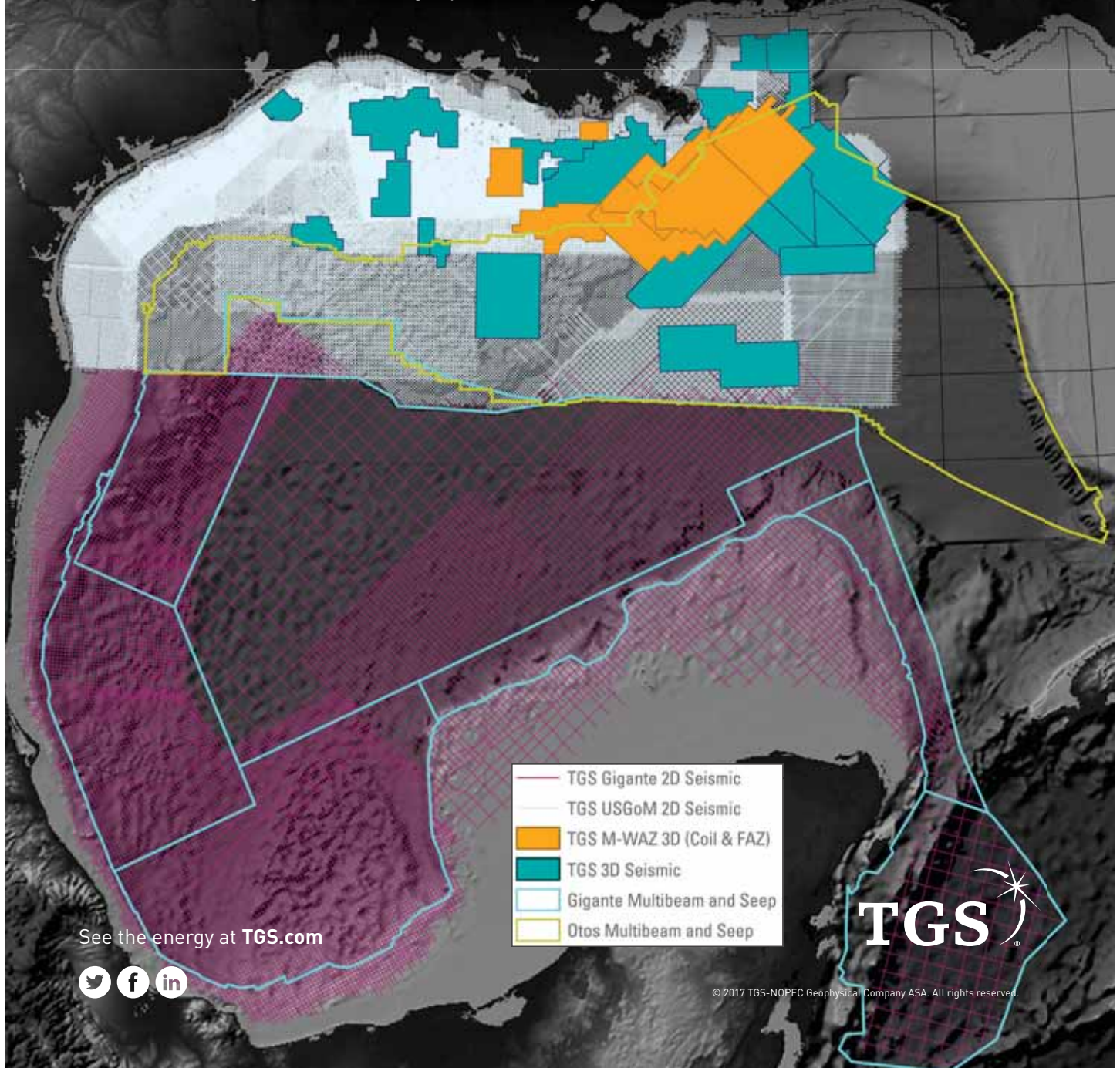


Pictures
From
Our Past...

NOGS
Board of Directors
1978

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.



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

Early Over-Water Drilling Near Shreveport, Louisiana

Jeff Spencer, GCAGS Historian

In 1984, a Louisiana historical marker was placed along the shore of Caddo Lake proclaiming, the world's first over water oil well was completed in Caddo Lake in 1911. The Ferry Lake No. 1 was erected by Gulf Refining Co. The well bottomed at 2,185 feet and produced 450 barrels per day (Figure 1). This claim has been repeated in many published articles, websites, and books (Marking and Snape, 2012, p. 63; Franks and Lambert, 1982, p.41; Collier, 2007, p.35).



Figure 1

Sneed (2005) initially presented material on oil well drilling in Caddo Lake and in Ohio's Grand Reservoir (Lake) at an oil history symposium in Shreveport, Louisiana on March 27, 2003. Over water drilling in Grand Reservoir occurred twenty years before the northwest Louisiana drilling and Sneed correctly pointed out that much of the Grand Reservoir oil history was documented only in local newspapers and historical society publications and that the drilling was by small, local operators (Spencer and Alig, 2017). It was also pointed out that Grand Reservoir is a man-made lake and that over-water drilling took place offshore California (Summerland) in 1898, a symposium attendee suggested that the Caddo Lake claim be revised to "first over-water oil completion in a natural lake!"

Gulf Refining Company obtained an 8000 acre lease in Caddo Lake from the local levee board



on November 1, 1910. Gulf laid out cypress wood platforms in a grid, one platform every 600 feet on 10-acre sites. The boilers and steam engines were placed on small platforms 100 feet from the derrick platforms. After a well completion, the boiler and steam engine were replaced by a 25 HP gasoline engine, set on a smaller platform, to pump the well. Figure 2 is a real photo postcard by noted oilfield photographer F.G. Allen showing drilling in Caddo Lake. Gulf serviced the wells with a fleet that included three tugboats, ten barges, floating pile-drivers, and over thirty small boats. The company superintendent of this operation was dubbed "Admiral" (Bagur, 2001, p. 695). Through 1954, Gulf drilled 416 wells in the lake and its tributaries (The Shreveport Times, October 10, 1955). In 1989, Chevron removed many of the old platform pilings (The Shreveport Times, October 2, 1989). The old lake well sites were described as "generally from 90 to about 110 pilings at each well site that supported steam boilers and well derricks. The pilings are cypress trees cut from along the shore line of Caddo Lake. Each is from 12 to 18 inches in diameter and about 20 feet long. The part of the tree imbedded in the mud is virtually unchanged and just like new when the tree was cut some 80 years ago. The part above the mud line either in the water or sticking up out of the water is badly weathered."

There is some evidence that over-water drilling operations, but perhaps not oil production, in the area began a few years earlier. This may have been in some of the many tributaries in the area, such as Jeems (James) Bayou. Sartor (2003) suggests that the first well was in 1910, possibly even 1908. Franks and Lambert (1982, p. 49) contains a photograph of over-water derricks in the lake with a 1907 caption. This author has a real photo postcard postmarked November 9, 1910 showing over-water drilling (Figure 3). The note on the reverse is from a Standard



Figure 2

Oil employee. Standard Oil had also entered the area in 1910 purchasing the J.C. Trees Oil Company which controlled over 100,000 acres. Additional over-water drilling north Louisiana photographs can be found in Collier (2007, p.35-39), Franks and Lambert (1982, p. 47-50), and Marking and Snape (2012, p. 52, 59, and 63). More research is needed!

References:

BAGUR, Jacques D., 2001. *A History of Navigation on Cypress Bayou and the Lakes*, University of North Texas Press, 821 pp.

COLLIER, Sam, 2007, North Caddo Parish, *Images of America*, Arcadia Publishing, Charleston, S.C., 127 pp.

FRANKS, Kenny A. and LAMBERT, Paul F., 1982, *Early Louisiana and Arkansas Oil, A Photographic History 1901-1946*; Texas A&M University Press, College Station, Texas, 243 pp.

MARKING, Tonja Koob and SNAPE, Jennifer, 2012, *Louisiana's Oil Heritage, Images of America*, Arcadia Publishing, Charleston, S.C., 127 pp.

SARTOR, C. Lane, 2003, *Early history of the Caddo-Pine Island Field: Oil-Industry History*, v. 4, p. 3-12.

SNEED, Judith L., 2005, *The Lost History of Ohio's Grand Reservoir Oil Boom: Oil-Industry History*, v. 6, p. 49-53.

SPENCER, Jeff and ALIG, Joyce, 2017, *Early Drilling and Oil and Gas Production In and Around Grand Lake, Ohio (1886-1911): Oil-Industry History*, v. 18, p. 13-24.



Figure 3

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."

NOGA Events for 2018-19

Vice President, Camille Yeldell, with the help of the NOGA Board has been working this summer to select the venues for our meetings during the 2018-2019 year. We will begin the year, as we did two years ago, on September 12 with a casual luncheon at the home of Camille and Jim. This will be chaired by Loretto Stephens and Mary Walther. It is always enjoyable to get together after the summer hiatus and learn about everyone's summer vacations. On November 7, the members will gather at Il Tony's Restaurant on Pontchartrain Blvd. for lunch. Linda Peirce and Pat Williamson will be making plans for the day.

We will begin next year on Thursday, February 7, at the New Orleans Fairgrounds for lunch and a day at the races, chaired by Susie Baker. Who will be the

lucky ones? Trudy Corona and Alma Dunlap will be making plans for our installation luncheon on May 8 at Metairie Country Club. Invitations will be mailed to each of these events.

Guests are welcome and encouraged to join us at our events this year. If you have any questions, please contact President, Margie Conatser at 504-469-2496.

We were saddened to learn of the passing of two of our former members, Gerry Waguespack and Bettye Wiggins. Both ladies had been very active members of the Auxiliary. Gerry received the Outstanding Service Award in 2002 and Bettye served as president in 1984-1985.

Mary Walther



Members of the 2018-19 NOGA Board



Alma Dunlap, Trudy Corona and Camille Yeldell as Trudy was presented with the Loyalty Award at the May luncheon.

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 Mary Walther, 2421 Prancer St., New Orleans, LA 70131

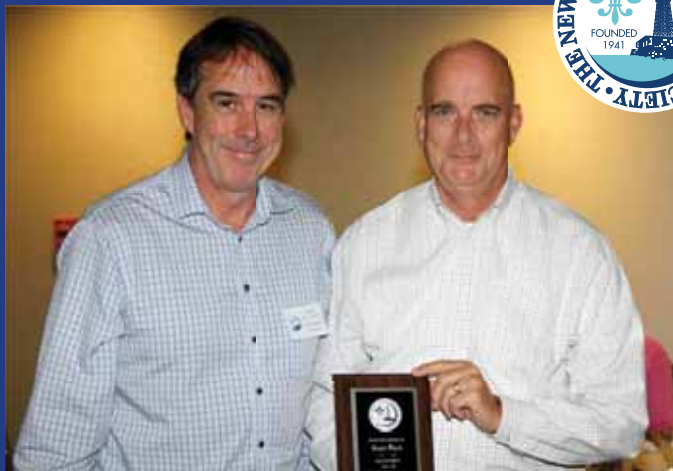
NOGS AUGUST LUNCHEON

"Sedimentary Records from Another World:
Exploring Gale Crater Basin
with the Curiosity Rover"

by Kirsten Sieback



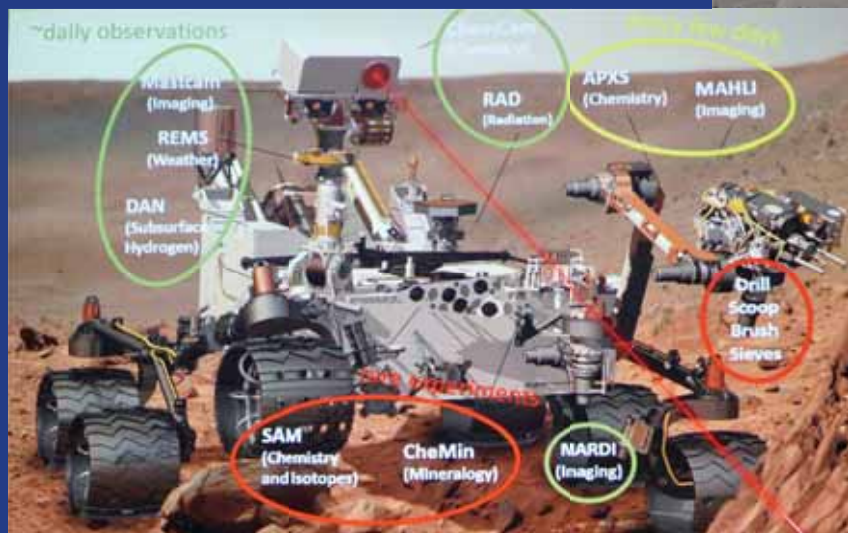
NOGS LOG Editor Fran Wiselady and Ed Picou



Chris McLindon presents service award
to outgoing secretary Grant Black



Speaker Kirsten Sieback and Chris McLindon



South Louisiana and Offshore Gulf of Mexico Exploration and Production Activities

LAFAYETTE DISTRICT, ONSHORE AREA

By Carlo C. Christina and Kevin J. Trosclair

During the month of July, the Office of Conservation, Lafayette District issued only 9 permits to drill for oil and gas in the Lafayette District. Following are the most interesting and significant locations:

NEW LOCATIONS

In Jefferson Davis Parish, Premier Energy will drill 2 wells in **West Tepetate Field, (A)**. The #1 Leblanc, SN 251171, will be drilled in Sec. 38, 7S-3W to test the Cockfield sands at a total depth of 12,439 feet, a significantly deep test in this field. The field was discovered in 1944 with more than 120 wells drilled to date. Very few wells have been drilled deeper than 9900 feet.

Premier Energy will also drill the #1 Miller in **West Tepetate Field, (B)**, SN 251179, in Sec. 38, 7S-3W, to a total depth of 9850 feet to test the Miller sand.

In Lafourche Parish, **Southwest Lake Boeuf Field, (C)**, Marquis Resources will drill the #2 Grand Coteau, SN 251129, with a bottom hole located in Sec. 72, 16S-17E. It will be drilled to a total depth of 16,470 feet to test the Robulus sands which have produced in the area.

In Terrebonne Parish, Castex Energy will drill the #1 SL 21612, SN 250180, in **Four League Bay Field, (D)**, in Sec. 19, 20S, 13E. It will be drilled to a proposed total depth of 22,065 feet to test the Tex W sands. The well is located on the south flank of the field, within a voluntary unit of 530 acres, containing portions of State Lease 21611 and State Lease 211613.

COMPLETIONS

Fontainebleau Operating has completed its #1 Mineral Res, SN 250654, in **West Cowpen Creek Field, (E)**, Beauregard Parish, as an oil well flowing 86 BOPD and 103 MCFD in an Upper Wilcox sand through perforations 11,262 to 11,296. It was drilled to a total depth of 11,600 feet in Sec. 21, 6S-10W.

In Pointe Coupee Parish, **Fordoché Field, (F)**, Cypress Operating has completed the

#1 Cynthia Beauvais, SN 250647, as an oil well in a Cockfield sand. It was completed flowing 35 BOPD through perforations 9817 to 9834. It is located in Sec. 119, 6S-9E, and as previously reported, it is located approximately 1 mile east of a well which has produced for more than 26 years from a Cockfield sand.

Will-Drill Production has completed another oil well in **Skinner Lakes Field, (G)**, Beauregard Parish, in an Upper Wilcox sand, flowing 180 BOPD through perforations 9951 to 10,185. The #1 Columbia Land, SN 250490, was drilled to a total depth of 10,350 feet, located in Sec. 4, 6S-13W.

In Iberville Parish, **Laurel Ridge Field, (H)**, Ponderosa Oil & Gas has completed the #1 Texas Plantation, SN 250685, as a gas well in a Camerina sand, flowing 2700 MCFD and 50 BCPD. It was drilled to a total depth of 11,050 feet in Sec. 16, 10S-13E.

Hilcorp Energy has completed an excellent oil well in **Burrwood Field, (I)**, Plaquemines Parish flowing 1185 BOPD and 679 MCFD through perforations 13,056 to 13,134. The #11 SL 2565, SN 250690, was drilled to a total depth of 13,278 in Sec. 2, 25S-30E.

OFFSHORE GULF OF MEXICO SHELF AND DEEPWATER ACTIVITIES

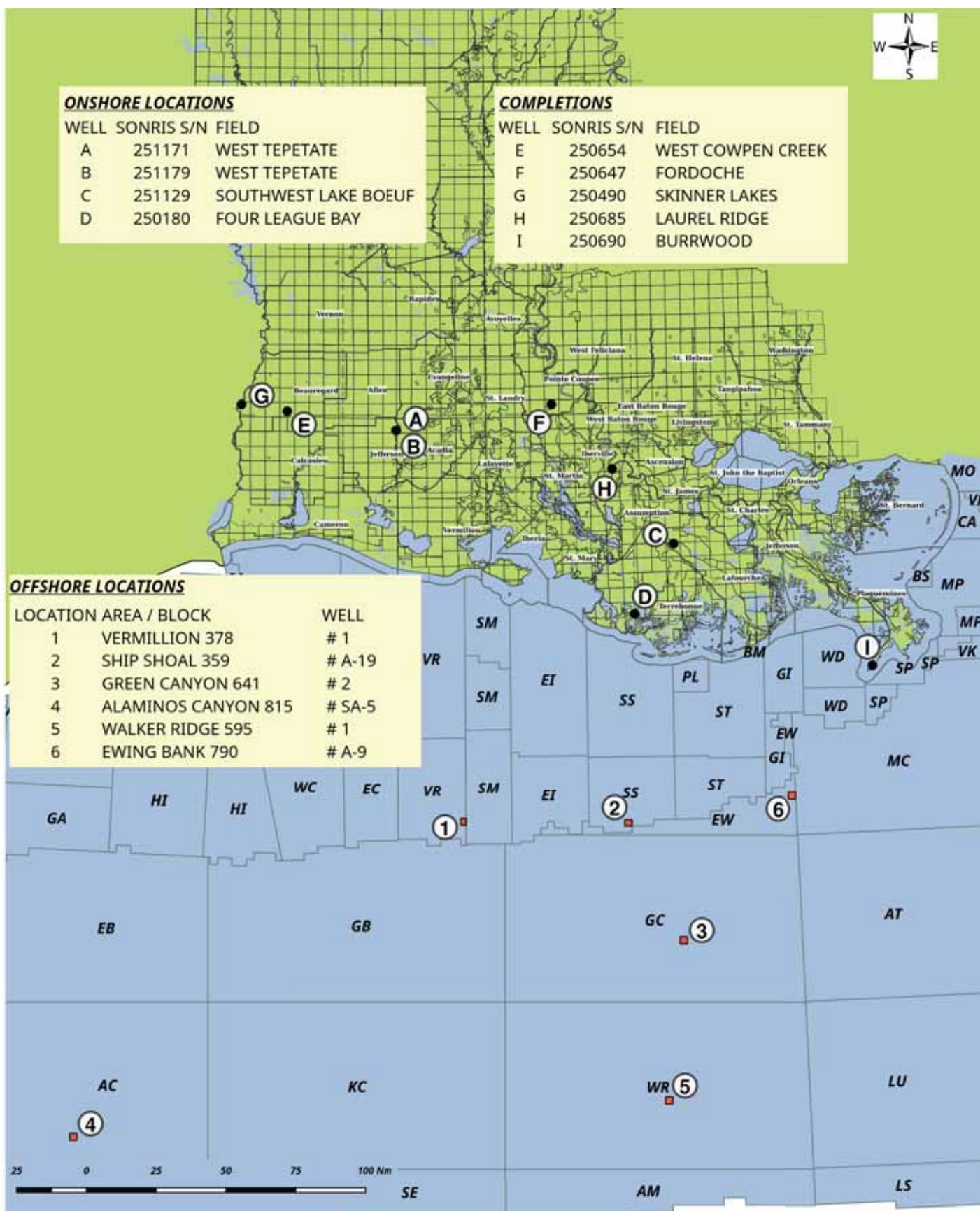
by Al Baker

During **July 2018**, the **BOEM** approved **66** Gulf of Mexico drilling permits. **Twenty-four** of these were for shelf wells, and **42** were for deepwater wells. Of the total number of permits, there were **6 new well permits**; **2** were issued on the **shelf** and **4** in **deepwater**.



Onshore & Offshore Activity Map for South Louisiana

SEPTEMBER 2018



The 2 shelf new well permits were for 1 exploration and 1 development well. **Gulfslope Energy** was granted a permit for their **Vermilion 378 #1** exploration well, and **W&T Offshore** received a permit for their **Ship Shoal 359 #A-19** development well.

The 4 deepwater new well permits included 3 exploration wells and 1 development well. The three exploration new well permits were given to **Chevron U.S.A.** for their **Green Canyon 641 #2** well and to **Shell Offshore** for their **Alaminos Canyon 815 #SA-5** and **Walker Ridge 595 #1** wells. The development new well permit was awarded to **Walter Oil & Gas** for their **Ewing Bank 790 #A-9** well.

On July 27th, **IHS-Petrodata** reported that the Gulf of Mexico mobile offshore rig supply stood at **78**, which is the same as last month. The marketed rig supply consisted of **45** rigs, of which **36** were under contract. The marketed rig supply number was the same as reported last month, and the contracted rig supply was **2** more than the previous month. The marketed contracted versus total rig supply utilization rate remains at **57.7%**, and the marketed contracted versus marketed supply utilization rate stands at **80%**. By comparison, the July

2017 total fleet utilization rate stood at **34.7% (versus 46.2% today)** with 33 out of the 95 rigs under contract.

As of July 27th, **BakerHughes** indicated that there were **15** active mobile offshore rigs in the Gulf of Mexico, which is **41.7%** of the rigs under contract mentioned above. This active rigs number is **3 less** than as reported last month. Of the 15 rigs, **2** are located on the **shelf**, and **13** are situated in **deepwater**. At the same time last year, there were 23 mobile offshore rigs operating in the Gulf of Mexico suggesting that there has been a **34.8% decline** in mobile offshore rig activity year over year.

As of July 27th, the **BakerHughes** total U.S. rig count stood at **1048** rigs, which is **1 more** rig than at the end of June 2018. Of the 1048 rigs, **861 (82.2%)** are **oil rigs** and **186 (17.7%)** are **gas rigs**. A year ago, there were 958 rigs working in the U.S. Thus, the current rig figure represents a **9.4% increase** in rigs year over year. **Texas** still has the largest number of rigs with **524**, which is exactly half of the total number of rigs in the U.S. **Louisiana** has a total of 52 rigs.

There was no recent drilling news of significance to report during the month of July.

2018 GCAGS-GCSSEPM Convention September 30 - October 2, 2018

ENERGY!



Ready for another round.

GCAGS2018.org
Register Today!

Field trips, short courses,
prospect sessions, and more.

Corporate sponsorship
opportunities available.

Shreveport Convention Center
Shreveport, Louisiana

The 2018 GCAGS-GCSSEPM Convention Logo's background image is used with permission of the Shreveport Geological Society.

NOTICE FOR POTENTIAL CANDIDATES TO APPLY FOR VACANCIES ON THE SOUTHEAST LOUISIANA FLOOD PROTECTION AUTHORITY EAST AND WEST LEVEE BOARDS.

The State contact person is Ms. Stephanie Aymond at Stephanie.Aymond@LA.GOV. Applicants need to complete the official application, which can be found at the following link: <http://www.coastal.louisiana.gov/wp-content/uploads/2013/09/SLFPAApplication1.pdf>. Applicants are needed to fill the following Board vacancies:

The Nominating Committee will be seeking applicants for this year to fill the following vacancies for their term beginning in 2019 and ending in 2023.

A. Non-Resident:

1. SLFPA –East Board: One (1) Vacancy. A Non-Resident for the East Board means anyone who resides in the State of Louisiana or the United States; but, does not reside in either Jefferson or Orleans Parish in that respective portion of these Parishes that is located on the East side of the Mississippi River or anyone who resides in St. Bernard or Tangipahoa Parishes.
2. SLFPA-West Board: One (1) Vacancy. A Non-Resident for the West Board means anyone who resides in the State of Louisiana or the United States; but, does not reside in either Jefferson or Orleans Parish in that respective portion of these Parishes that is located on the West side of the Mississippi River.

A Non-Resident applicant can apply to both Board's or may choose to apply for only the East or West Board's, subject to the residency requirements.

B. Resident:

1. SLFPA-East Board Tangipahoa Parish Resident: One (1) Vacancy. The applicant for this vacancy must reside within the boundaries of Tangipahoa Parish.
2. SLFPA-West Board Orleans Parish West Resident: One (1) Vacancy. The applicant for this vacancy must reside in that portion of Orleans Parish that is located on the West side of the Mississippi River.



Contact NOGS at:
admin@nogs.org

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%





Like us on Facebook!

Our Facebook 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

© 2013 Core Laboratories.
All rights reserved.



Core Lab
RESERVOIR OPTIMIZATION
www.corelab.com
337-837-8616



Anthony Catalanotto
Manager

Geological
Geophysical
Land

Drafting & Graphics

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



DOMESTIC &
INTERNATIONAL



BIOSTRATIGRAPHY

**ANYTIME.
ANYWHERE.
ANY FOSSIL.**

Complete paleo services

*Largest single-source GoM
database*

Custom projects & mapping

Multiple fossil disciplines



504-488-3711
PALEODATA.COM



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

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.*

\$7,783.87

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

Penny and Jack Bryant

In Memory of Art Johnson, Willis Conatser and Frank Rogers

Mr. Carlo C. Christina

In Memory of Al Gilreath

Mr. Jeff Jandegian

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

Mr. Reuben J. Klibert, Jr.

In Memory of James Wade Klibert

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. Edward J. Graham

Mr. Alex G. Janevski

In Memory of Arthur H. Johnson

Mr. Tom Klekamp

In Memory of Arthur H. Johnson

Ms. Margaret M. McKinney

Mr. Chris McLindon

New Orleans Geological Auxiliary (NOGA)

In Memory of Earleen Rodan

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

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

Mr. Roy C. Walther

Contributions for both funds for one year through July 2018. Donations are listed for one year.

<p>ANSYTHE Donald I. Andrews 504-887-3432</p> 	<p>James S. Classen CLASSEN & CO. LLC 6417 Plantation Lane • Boise, ID 83703</p>
<p>THE BOEBEL COMPANY Oil and Gas Investments New Orleans, LA 70153 (504) 866-4313</p>	<p>D-O-R ENGINEERING, INC. 3-D and Geoscience Services 6161 Perkins Rd. Bus: (225) 765-1914 P.O. Box 80812 Baton Rouge, LA 70898</p>
<p>BOO-KER OIL & GAS CORP. Gray S. Parker 826 Union, Suite 300 Bus. (504) 581-2430 New Orleans, LA 70112 Fax (504) 566-4785</p>	<p>EDWARD B. PICOU, JR. Shell - Retired 504-975-3096</p>
<p>C & R EXPLORATION, INC. Carlo C. Christina Lawrence G. Ringham</p>	<p> GEOLOGY ENVIRONMENTAL MANAGEMENT GEM Consulting, LTD Emmitt Lockard Michael Louis Merritt emlockard@yahoo.com admin@gemconsultingltd.com</p>
<div data-bbox="175 678 727 871">  </div> <div data-bbox="154 884 756 1024"> <p><i>Thanks Our Sponsors for Their Support!</i></p> </div> <div data-bbox="326 1041 570 1108"> <p>\$2,500</p> </div> <div data-bbox="110 1144 800 1192"> <p> Diversified Well Logging</p> </div>	<p> THOMAS L. DAVIS GEOLOGIST, Ventura, CA, 93001 tel: 818-429-4278, 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.</p>
	<p>ZOT OIL & GAS, LLC Jim Zotkiewicz - Petroleum Geologist Business Phone: 504.267.9138 Email: jimzot38@zotoil.com</p>
<p>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</p> 	<div data-bbox="906 1140 1425 1402">  </div> <div data-bbox="930 1419 1417 1539"> <p>Seismic Exchange Inc. Strategic Speculative Surveys Geophysical Data Marketing & Management</p> </div> <div data-bbox="1092 1570 1271 1707"> <p>YouR Full Service National Seismic Data Marketing Firm</p> </div> <div data-bbox="898 1759 1442 1791"> <p>DALLAS DENVER NEW ORLEANS TULSA</p> </div> <div data-bbox="987 1833 1393 1896"> <p>201 St. Charles Ave Suite 4300, New Orleans, La 70170</p> </div> <div data-bbox="1003 1917 1344 1959"> <p>www.seismicexchange.com</p> </div>
<p> LaBay Exploration Co., L.L.C. 1080 West Causeway Approach Mandeville, Louisiana 70471 (985) 951-2011 www.labayexploration.com</p>	

The Louisiana Children's Museum, The New Orleans Geological Society,
and area PIPE organizations present

ENERGY DAY

Promoting the oil industry and other energy sources

September 22nd, 2018

11 a.m. – 3 p.m.

at the Louisiana Children's Museum

Dedicated to the memory of Art Johnson who gave so much to science education.

Volunteers Needed!

Volunteers are needed for two hour shifts:

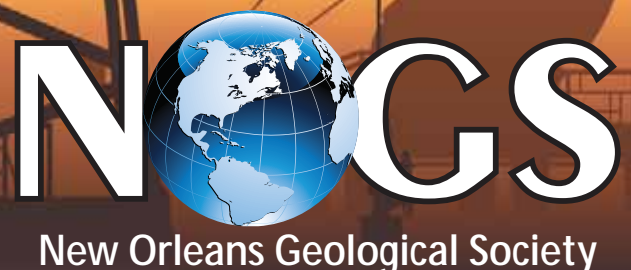
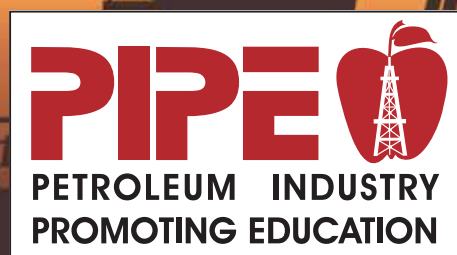
11:00 am to 1:00 pm

and

1:00 pm to 3:00 pm

Contact Tom Bergeon

tom.bergeon@upstreamexp.com





NEW ORLEANS GEOLOGICAL SOCIETY

P.O. Box 58108

New Orleans, LA 70158

www.nogs.org



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